



# Intertraffic

CONNECTING INNOVATION TO INFRASTRUCTURE

INDIA

International Trade Fair for Infrastructure,  
ITS Traffic Management, Safety and Parking

Pragati Maidan, New Delhi  
India

3.4.5.OCT

2011

CATALOGUE

Organised by:



Intertraffic®.com



International Road Federation  
 Fédération Routière Internationale  
 Federación Internacional de Caminos  
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6<sup>th</sup> IRF Regional Conference

# Road Safety Strategy in India - Action Plan

New Delhi, India

3 - 5 October 2011



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# Intertraffic

CONNECTING INNOVATION TO INFRASTRUCTURE  
**INDIA**

## INTERNATIONAL MEDIA PARTNERS



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## Organization

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INDIA CHAPTER

International Road Federation  
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अन्तरराष्ट्रीय सड़क संघ

# Certification Course for 'Road Safety Auditors'



IRF India Chapter had organized six Certification Courses for Road Safety Auditors in 2010 & 2011 and has trained approx 180 auditors till now. These courses have been highly appreciated both in India and abroad.

(The reports of these courses may be found in the website of IRF (India Chapter): [www.indiairf.com](http://www.indiairf.com).)

This Road Safety Audit course was developed by IRF India Chapter in response to the observations by NHAI and other Highway Organizations in the Centre and States that there is scarcity of qualified road safety auditors in the country for carrying out audits of the road projects, particularly the BOT/DBFOT projects taken up by Government in PPP format. IRF (India Chapter) is committed to this capacity development effort for Road Safety Audit (RSA) in India. Accordingly, the course materials have been developed with the help of Australian Road Research Board (ARRB) and taking help from similar courses run in Australia, UK, USA and Europe. The course is normally delivered jointly by ARRB and IRF (India Chapter). This course is also most suitable for other similarly placed developing countries in various regions of Asia, Africa and Eastern Europe.

### Minimum Educational Qualifications for the Trainees :

Minimum Educational Qualifications required for the trainees are a degree in Civil Engineering or equivalent discipline, and/or Post-graduate degree or Diploma in Traffic Engineering / Highway Engineering / Transportation Planning / Engineering.

The courses are generally held **twice in a year**.

For the dates of the courses **please visit IRF (India Chapter) website**.

Contact :

**Mr. Raj Pal, Secretary, IRF (India Chapter)**

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**IRF members from USA may also contact IRF Washington Programme Centre**

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# INTERTRAFFIC WORLDWIDE EVENTS

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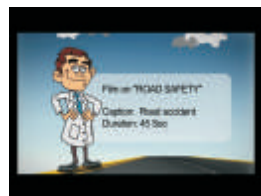


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INDIA CHAPTER

# Activities of IRF (India Chapter)

1. IRF (India Chapter) and Ministry of Road Transport & Highways, Govt. of India have jointly launched a National Campaign on 23 September 2009 with a Mission for Reduction of Road Fatalities. IRF has since been spearheading actions to be taken by the Government as well as the private players by mobilizing opinion, action and resources aiming at the reduction of road fatalities in India.
2. Five IRF Regional Conferences were organized in India successively since 2006 on some of the most topical subjects relevant to the infrastructure developments in India, and particularly focusing on the road development programmes of India since last one decade. The recommendations of each Conference have been pursued by various Ministries of Govt. of India and most of them are in different stages of implementation.
3. On the recommendations of IRF India Chapter, GoI and Indian Roads Congress is developing the structured database format for collection of accident data. IRF at the same time, with funding under Corporate Social Responsibility by ICT Pvt. Ltd, has developed a Hand-Held device with touch-screen system of data collection, called RADaR (Road Accident Data Recorder) for comprehensive data collection from accident site, which is equipped with GPS, GPRS, camera and voice recording systems.
4. IRF India Chapter has prepared a base paper highlighting the need as well as the method of developing school curriculum on Road Safety for uniform adoption in all the School Boards across the country. Government has set up a Committee led by CBSE to develop the school curriculum for different subjects taught in the schools. Curriculum for Class VI and VII have been already prepared and are under review.
5. As per the recommendations of the IRF Regional Conference, the Ministry of Road Transport & Highways have requested the Secretary, Department of Industrial Policy and Promotion to direct the manufacturers of the bicycles to compulsorily make the colour of the cycle frame and rear mudguard in luminous orange colour. Later it was decided to use retro-reflective tape, which is expected to provide the required conspicuity to the bicycles in the dark hours. The Bureau of Indian Standards is considering the same for standardization.
6. A group of officials from Ministry of Road Transport & Highways, NHAI, Academic and Research Institutions, Consultants and Concessionaires identified by IRF (India Chapter) had worked on a proposal for "Engineering Measures Required for Enhancement of Safety on High Speed Roads". The final recommendations of this group have been issued as a Circular of the Government for implementation in the existing roads as well as to those under planning and implementation.
7. On the recommendation of IRF India Chapter the Secretary, Ministry of Information & Broadcasting has written to Chief Secretaries of various States to direct all the Cinema Hall / Multiplex owners to show a short film of 2 to 3 minutes duration on the subject of Road Safety, before the start of the actual commercial film. IRF has already prepared two such films are these are being shown in Delhi since January 2011.
8. Six short (30-40 seconds) road safety promos have been prepared jointly by IRF (India Chapter) and NDTV on different themes of road safety, for promotion of road safety through Television channels. IRF is preparing such films on other themes of road safety for road safety campaign through TV channels.
9. IRF (India Chapter) in collaboration with ARRB has organized 5-day long Certification Courses for Road Safety Auditors for creating capacity in the country for Road Safety Audit. More than 180 auditors are already trained, and such courses are held twice in a year.



Welcome to Intertraffic India 2011

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Theo Lingmont  
Director RAI International Exhibitions  
Amsterdam RAI

### **Amsterdam RAI welcomes you to Intertraffic India!**

Welcome to Intertraffic India 2011 - the very first international comprehensive trade fair on infrastructure, ITS traffic management, safety and parking in India.

The Indian economy has been on the upswing, its growth rate of 8% to 9% yearly being among the highest in the world. Moreover, the Indian government has recognised that road development and construction is essential to sustain India's economic growth resulting in a highly promising road and traffic development scenario. Therefore the developments in the transport sector continue unabated.

India unfortunately has the highest number of road fatalities in the world. Intertraffic is committed to improving traffic technology worldwide. We are very pleased to offer this event jointly with the IRF to support the traffic industry suppliers expand their markets and to bring the latest technologies and information to policy makers, firms and agencies in the public, industrial, commercial and residential industry segments in India and the surrounding countries.

By creating platforms for knowledge transfer, Intertraffic helps disseminate expertise and enhance education. Intertraffic India will offer local traffic professionals the chance to learn more about reducing road fatalities and improving traffic infrastructure in general. The combination with the IRF regional conference and the involvement of local, regional and national authorities makes Intertraffic India an all-encompassing event!

By organising an exhibition in India, Intertraffic has added an important new location to its portfolio. Established in 1972, Intertraffic Worldwide Events organises the world's leading trade events in the traffic technology sector in The Netherlands, Turkey, China and now also in India.

We would like to offer special thanks to the trade associations, government entities and media partners that have shown their support, as well as the exhibitors for embarking on this new adventure with us. A special thanks also to our esteemed partner IRF India Chapter.

To learn more about Intertraffic, please visit the organisers at the Intertraffic Worldwide Events booth in the exhibition hall. And we also look forward to welcoming you to our global Intertraffic event in Amsterdam from 27-30 March 2012.

I wish you all – visitors, exhibitors, employees – a successful and inspiring exhibition!



Mr. Kiran Kumar Kapila  
Chairman IRF Geneva Programme Centre  
India

Dear Exhibitors and Visitors,

I would like to welcome all the exhibitors, visitors and guests to this first ever Intertraffic®India Exhibition and Trade Show being held for three days, 3-5 October 2011 at the Pragati Maidan. This edition of Intertraffic exhibition is being held by the joint efforts of International Road Federation and Amsterdam RAI. The latest technologies from all over the world for Intelligent Transport Systems for Traffic Management and Safety, Parking, Infrastructure and Environment etc. will be showcased in more than 80 stalls. This mega event is for all the concerned people who are involved in the infrastructure development in the country, who are looking for the right technologies for their projects. Thus, this first ever exposition can be taken advantage of by the policy makers, technologists, engineers, developers, concessionaires, contractors, academicians and government officials to have one-to-one contact as well as business relationships.

The on-going road development programmes in India are well known all over the world and both the high speed roads as well as the access links in rural areas, need efficient traffic management systems. Intertraffic® India will give an opportunity to all visitors, a rich experience from the entire globe about the innovations, products, services and solutions in traffic technologies and all associated developments. In today's world, technologies are changing fast. IRF India Chapter is excited about this first edition of the Intertraffic® India, and based on the successful outcome of this edition, IRF India Chapter & RAI propose to organize the event every alternate year, bringing newer technologies every time.

IRF is a worldwide organization with membership of more than ninety countries serving the cause of sustainable road developments and poverty alleviation. IRF India Chapter, though formally launched in 2009, has been active since 2005, and has been actively involved in advocacy for promoting road safety. IRF is promoting development of Forgiving Roads, and therefore, appropriate technologies are required to ensure the roads to be safe and sustainable. This exhibition has brought a large number of innovative solutions under one roof to showcase various technologies suitable for safer road developments.

The concurrent event of 6th IRF Regional Conference being held at the same site (Pagati Maidan) gives an opportunity for the delegates of the Conference to have an exposure to the latest technologies, which would facilitate knowledge transfer and networking among experts. All the delegates from local, regional and national road authorities will find a common platform to exchange ideas, especially in the field of traffic management, ITS and road safety. The road sector industry leaders and experts in the form of policy planners, Concessionaires, Contractors as well as the target agencies for technology adoption like State PWDs, ULBs and Road Authorities will participate in the joint and mega event for the first time.

I wish that all the delegates of the Conference and the Visitors to the Exhibition, consider this as an unique opportunity for such a comprehensive exposure of traffic technologies. I would like to thank all the exhibitors for bringing their product, technologies and services for showcasing to the Indian market. The infrastructure market in India is growing tremendously and it will expand exponentially in coming time.

I wish the first ever Intertraffic®India show to be a grand success.

(K. K. Kapila)  
Chairman, International Road Federation, GPC



## General Information

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### Dates and Admission Times

Intertraffic India 2011, International Trade Fair For Infrastructure, ITS Traffic Management, Safety and Parking is held between 3-5 October 2011 in Pragati Maidan - Hall 7.

### Exhibition Opening Time

Monday	3rd October 2011	from	10 am - 6 pm
Tuesday	4th October 2011	from	10 am - 6 pm
Wednesday	5th October 2011	from	10 am - 6 pm

### Admission Charge

Admission is free for all visitors.

### Food Court

The Food Court is located in Hall No. 9.

### Organization

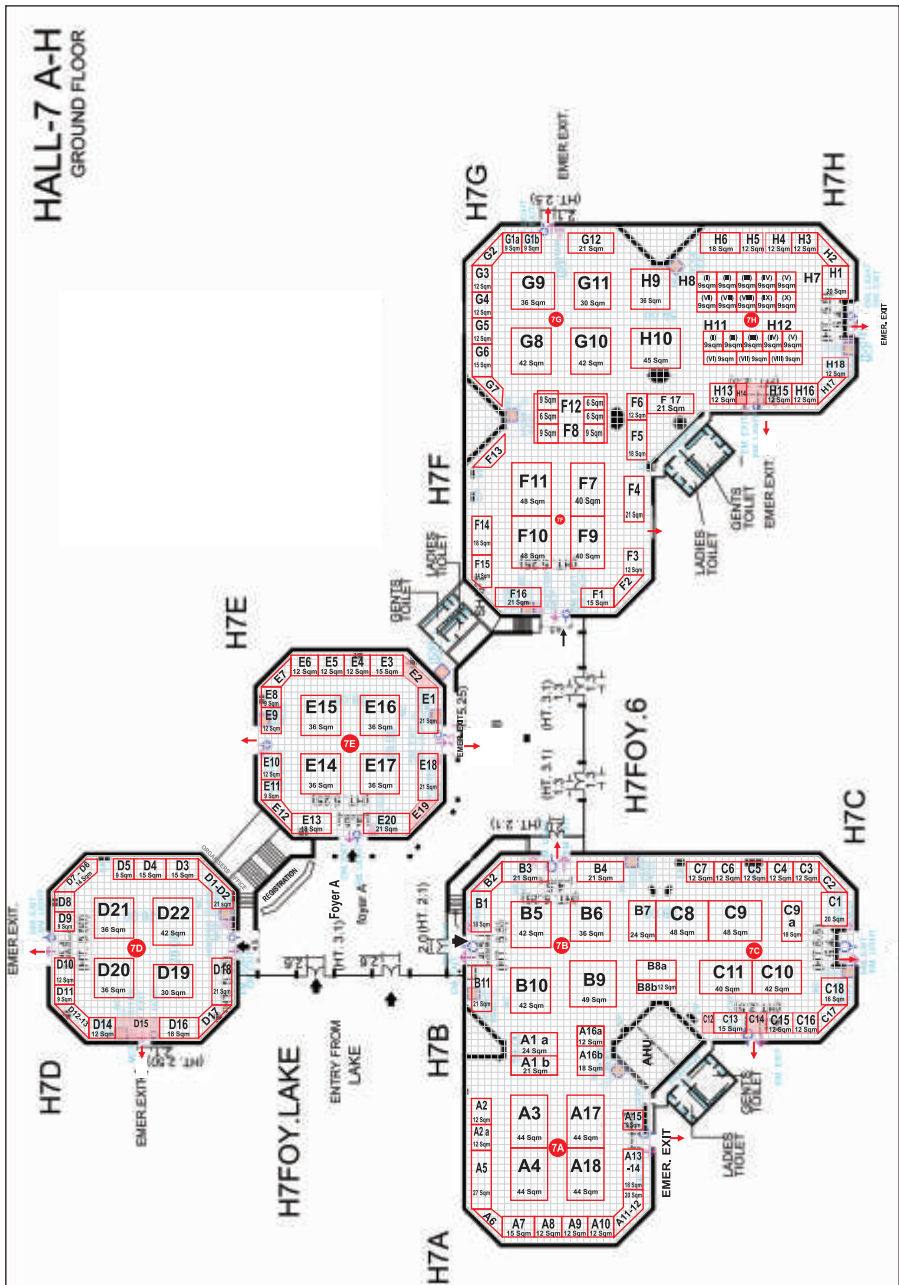
Amsterdam RAI of the Netherlands, together with International Road Federation (India Chapter).

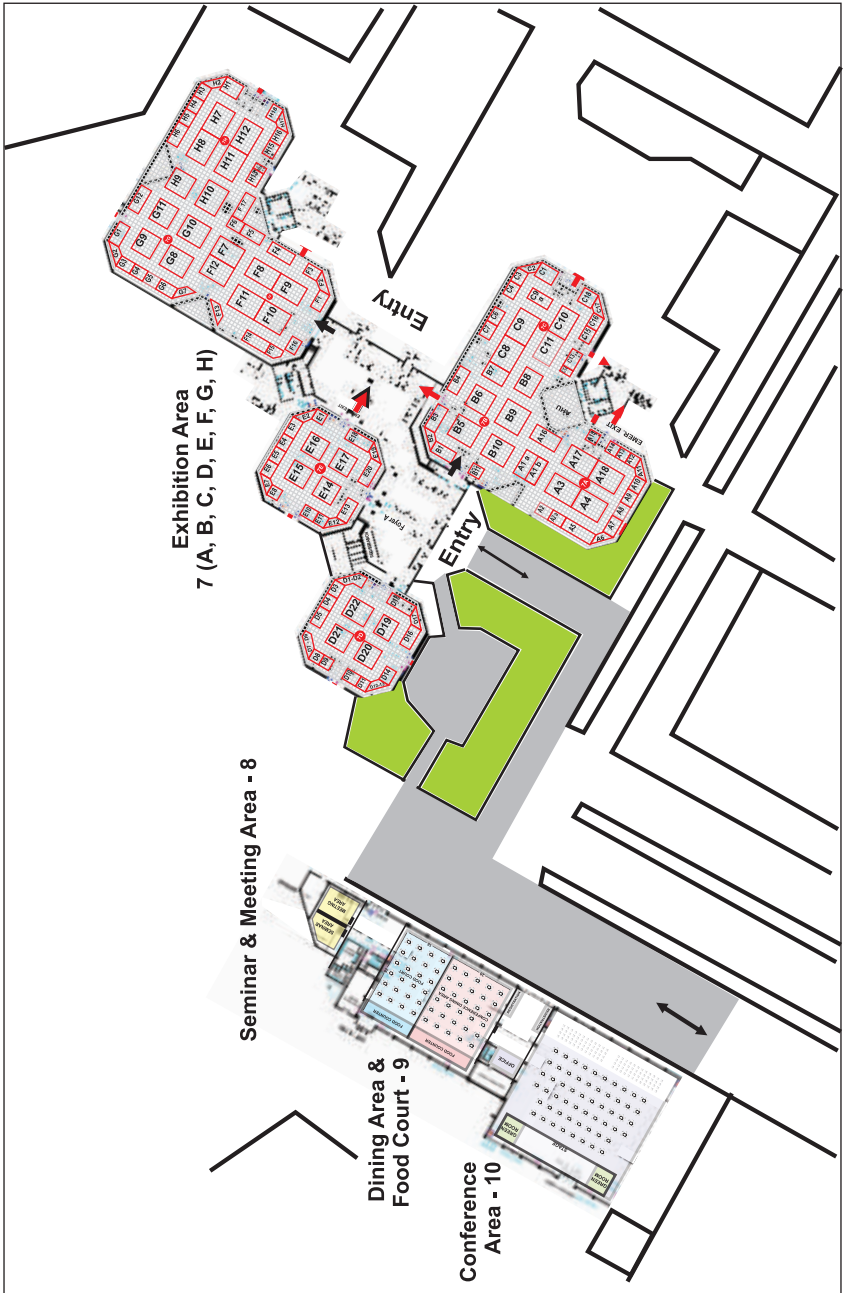
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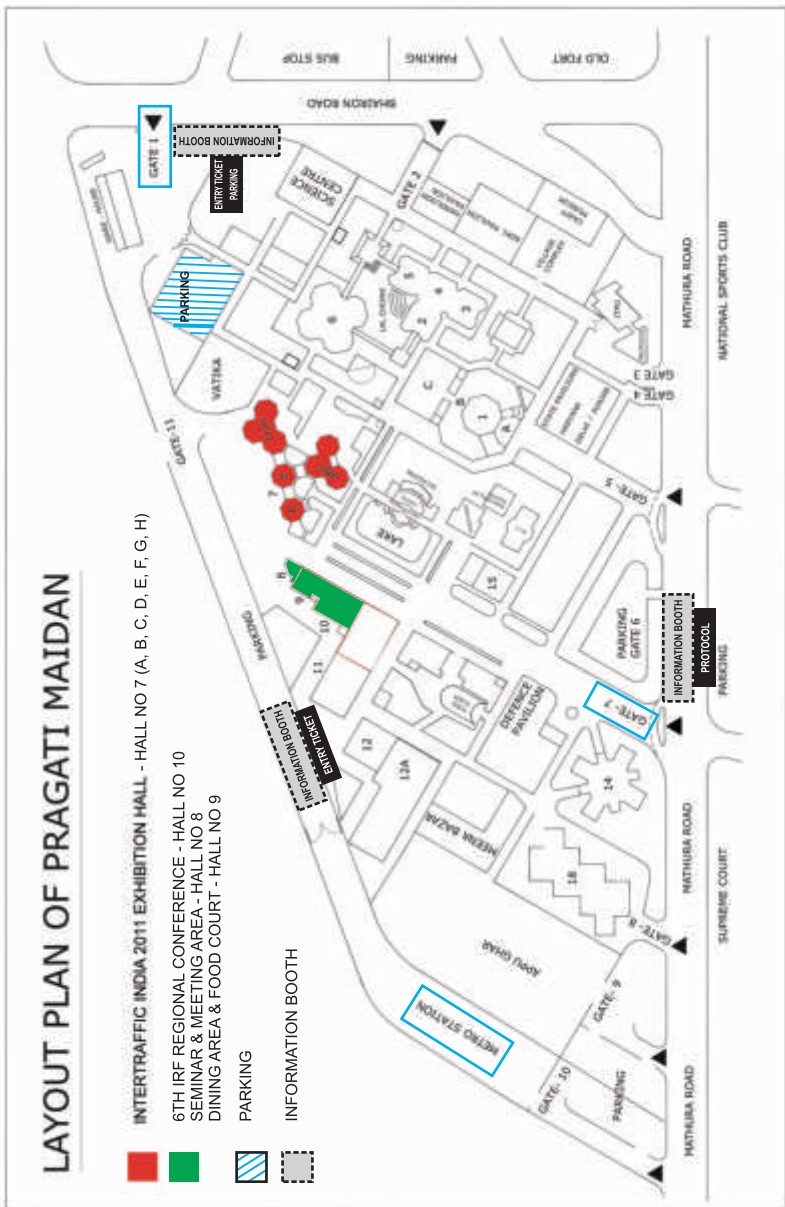




<b>COMPANY</b>	<b>Stand No</b>
3M	B-7, C-8, 9
Ace Polymers (India)	C-5
Alcohol Countermeasure Systems Corp.	C-9 A
Alchemist Touchnology Ltd.	E-14
Aldridge Traffic Controllers	F-15
ARH Inc.	F-16
ARS Traffic & Transport Technology	F-8 III
Automark Industries (India) Ltd.	E-1
Avery Dennison (India) Pvt. Ltd.	D-22
Barcode India Limited	G-1 B
Basler Lacke Ag	E-3
Central Weighing U.K.	C-2
Central Road Research Institute	A-8
CMS Traffic Systems Ltd.	G-12
Dark Eye	B-10
Dau Long Road-Mark Materials Co., Ltd.	E-10
Delcan Corporation International	G-4
El-Tra Srl	D-14
Envoy Electronics Pvt. Ltd.	G-8
Era Group	E-13
Faac India Pvt. Ltd.	E-17
Faac S.p.A.	E-17
Federal Signal Technologies	D-11
Frontier Polymers (P) Ltd.	B-6
Geveko	B-3
Grün GmbH Spezialmaschinenfabrik	E-3
GSI Ltd.	E-4
Haenni Instruments AG	F-8 II
Haryana PWD (B&R)	A-11, 12
Highway Care International	B-1
Hill & Smith Infrastructure Products India Pvt Ltd (HS IPI)	B-5
Indian Roads Congress	A-16 A
Ingal Civil Products	E-6
Intercomp	C-15
Intertraffic Worldwide Events Amsterdam RAI	F-14
IPS Group, Inc.	G-5
IRD South Asia Pvt. Ltd.	E-9
IRF India Chapter & Conference Sponsors' Pavilion	H-7, 8, 11, 12
IRF Geneva Programme Centre	A-16 B
Institute of Road Traffic Education (IRTE)	H-5
ITS International / World Highways (Route One Publishing Ltd.)	F-8 IV
Kataline Group	D-21
Keltron	A-10
Kistler Instruments (India) Pvt. Ltd.	F-6
La Semaforica srl	F-1

## Alphabetical List of Exhibitors

<b>COMPANY</b>	<b>Stand No</b>
MassTrans Systems Pvt. Ltd.	F-10, 11, 13
Measurement Specialities, Inc.	E-8
Metalmeccanica Fracasso India Pvt. Ltd.	F-9
Michelin India Tyres	B-8 A
MetroCount	E-20
National Rural Roads Development Agency (NRRDA)	A-3
Olvia JSC	C-7
Onward Chemicals Pvt. Ltd.	D-4
ORE Peinture	H-15
Parkeon	D-3
PTV Planung Transport Verkehr AG	B-2
Punj Lloyd Ltd.	E-16
Quadstone Paramics	C-3
RADARLUX Radar Systems GmbH	E-18
Rajdeep Info Techno Pvt. Ltd.	G-10
Reflexite Safety India Pvt. Ltd.	A-2 A, 4, 5, 6, 7
Reflomax India	C-11
Serco Global Services Pvt. Ltd.	F-15
Shell India Markets Pvt. Ltd.	F-5
Shenyang Modern Traffic Facility Co., Ltd.	H-13
Shindo Industries Co., Ltd.	F-4
Signature	F-3
Skidata (India) Pvt. Ltd.	D-16
Surya Enterprises	A-2
TBR Infra	E-7
Telegra India Pvt. Ltd.	B-9
Termac S.R.L.	D-18
Thinking Highways	F-8 V
Tollman International Pvt. Ltd.	A-9
Traficon	F-2
Trans Metalite India Ltd (TMIL) / Metalite International Pvt. Ltd. (MIPL)	D-20
Trinity Highway	B-4
TSS Transport simulation systems	F-8 I
Turbo Consultancy Services Pvt. Ltd.	A-13, 14
Ubisen Co., Ltd.	H-18
UKIP	F-8 VI
VaaaN Infra	E-12
Vialis International	G-9
W.D.M. Limited	C-4
Weissker GmbH	A-1 A
Zeag AG	E-17
Zehntner GmbH	E-11
Zhejiang Daoming Optics & Chemical Co. Ltd.	B-11





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B-7, C-8, 9



3M Traffic Safety Systems is the pioneer of the retro-reflective sheeting technology & is the world leader in the area of road safety devices. With over 100 years of innovation, 3M continues this legacy by bringing out best-in-class products that ensure road safety & efficient traffic mobility by improving night time visibility. Leading the pack is 3M Diamond Grade (DG) Sheeting - the world's most advanced reflective film, closely followed by ingenious solutions for Pavement Marking, Hazard Marking, Construction Work Zone, Vehicle Marking, Vehicle Registration Systems etc.

## Ace Polymers (India)

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Web : [www.trafficsafetysolution.com](http://www.trafficsafetysolution.com)



Ace Polymers (India)

Ace Polymers (India) as individual having more than 10 year experience in Road Safety and Plastic Goods, looking need future we start manufacturing of Road Barrier, Industrial Safety Speed Bumps (Rubber & Plastic), Packing Solution, Highway Signs & other safety goods. Our Company mission to have a trusted Brand in Road Safety with vision highly safe road environment to save human life.

## Alcohol Countermeasure Systems Corp.

---

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C-9A



Alcohol Countermeasure Systems Corp is a pioneer in alcohol sensing technology and alcohol interlock program administration. Our products include portable breath alcohol testers used in law enforcement, alcohol interlocks used in compliance monitoring for DUI offenders as well as alcohol interlocks for fleet, commercial and OEM applications. Visit us online at [www.acs-corp.com](http://www.acs-corp.com).

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Web : [www.rbigrade81.com](http://www.rbigrade81.com)

E-14



RBI Grade 81 is a pavement material/soil stabilizer, which strengthens the Sub-Grade & Sub Base / Base Courses by increasing the CBR / UCS & by reducing the PI / FSI. RBI is a green technology which re-engineers the properties of INSITU soil.

It works in all the types of soils. It is cost effective & reduces the construction time.

## Aldridge Traffic Controllers

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Fax : +61 2 9736 9990  
E-mail : info@atsc4.com.au  
Web : www.atsc4.com.au

F-15



Aldridge Traffic Controllers Pvt. Ltd. (ATC) is an Australian owned company with manufacturing facilities located at Rhodes, NSW Australia. ATC's substantial resources are totally committed to designing, manufacturing and supplying products and services to the traffic management industry.

ATC can deliver SCATS software to international customers while also providing support services from its network of SCATS.

ATC services include Traffic Signal Design, Adaptive Engineering Services, Training Services in both SCATS and Traffic Signal Controller Operation.

ATC employs a permanent staff for controller manufacturing in its own factory which includes surface mount and through hole assembly lines. ATC assembles and test its ATSC4 Traffic Signal Controller and associated products at this facility.

ATC has a full time research and development team whose main focus has been the development of the ATSC4 Traffic Signal Controller. This product is developed to meet the Road and Traffic Authority (RTA) of New South Wales, Australia TSC/4 specification.

ATC is a quality endorsed company to ISO 9001-2008.



## ARH Inc.

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 Web : www.arhungary.hu

F-16



ARH is an innovation-driven company. Dedicated to continuous research/innovation and the ability to apply the new technologies to always changing customer needs, ARH became by now the world leading ANPR/LPR technology provider.

ARH's own technologies are manifested in two main products lines:

- ANPR (Automatic Number Plate recognition) software and special 24/7 ANPR cameras
- ID document scanners: to read and verify ID documents and biometrics: fingerprint live scanner

CARMEN® ANPR/LPR software engine reliably reads most plate numbers of the world including Middle-East and Far-East regions. CARMEN® considered as the most precise and sophisticated ANPR engine in the world. Generic and specially trained CARMEN® engines are available for certain regions and plate types.

ARH's ANPR cameras cope with all difficulties of license plate capturing, such as high speed of vehicles, varying ambient light conditions (total darkness, direct sunlight, shadows) and headlight glare. Dedicated models are available for parking and high speed traffic applications: ParkIT, FreewayCAM, SmartCAM, SpeedCAM.

Document and e-Passport Readers of ARH have excellent image creation abilities and highest rate of recognition, making them well-respected products on the market.

AFS510 is a professional, carpet 10 fingerprint scanning device for acquisition of single finger flats, rolls and four finger slaps. The FBI certified device provides superior image quality.

## ARS Traffic & Transport Technology

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2508 CP Den Haag (NL)  
Tel : +31 70 3608559  
Web : www.ars.nl

F-0-III



ARS Traffic & Transport Technology

ARS Traffic & Transport Technology (ARS T&TT) based in the Netherlands and India provides Intelligent Transport Systems (ITS), services and solutions. Clientele includes major public and private traffic and transport organisations, focusing on road and rail services. Services include:

- Business and technology consultancy
- R&D of ITS Products
- Turn-key projects
- System integration
- Information services
- Support services
- Traffic management

Products include:

- Road traffic information and management systems
- Enforcement systems
- Tolling systems
- Public transport information systems
- Bus Platform assignment systems
- In-car systems

## Automark Industries (India) Ltd.

1st Floor Saraf Court Opp. Yeshwant Stadium  
 Dhantoli Nagpur. Maharashtra - India - 440012  
 Tel : +91 712 6603671-678, 2461111  
 Fax : +91 712 6603679  
 E-mail : info@automark-india.com  
 Web : www.automark-india.com



Automark (India) Ltd [AIL] and ISO 9001 : 2000 company engaged in to manufacturing of road marking materials and machineries used in the application process of Road Marking paint as well.

### *Manufactures:*

1. *Road marking materials* such as Thermoplastic Road marking materials, primers for application of Thermoplastic Road Marking materials on concrete roads, water borne marking paints, Cobralite retro reflective paint and
2. *Machineries:* Constitutes automatic, semi automatic, manual machines and preheater for road marking.

*Contracting:* We undertake contracting assignments for application of Road Marking paints in major National Highway projects in India. AIL has already executed more than 40,00,000 Sq. Meters of Road Marking successfully which includes more than 50 projects of the National Highways Authority of India (NHAI) among others.

*Exports:* We also export our thermoplastic road marking materials and machineries to Palestine, Nepal, Hong Kong, Kenya, Uganda, Sri Lanka, Tanzania & Bangladesh.

*Research Development & Quality Standards:* Our very presence in the industry for past 22 years has helped us to develop our brand on technical front. For manufacturing we follow the major quality standards of the world including BS 3262, BSEN 1871, AASHTO M - 249 - 79 (1990) & MORTH.

## Avery Dennison (India) Pvt. Ltd.

Narsinghpur Industrial Area Six Kilometer Stone  
 Delhi – Jaipur Highway Gurgaon-122001 India  
 Tel : +91 124 2215581/2/83  
 Fax : +91 124 2215591/592  
 E-mail : Diksha.Purohit@ap.averydennison.com  
 Web : <http://www.averydennison.com>

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Avery Dennison is a U.S. based \$7 billion Fortune 500 Company with global leadership in pressure-sensitive technology, self-adhesive materials, retro-reflective films, road safety products, office products and specialised label systems with operations in 80 countries globally.

Avery Dennison is one of the world's largest manufacturers of Retro Reflective Sheeting for traffic signages. The organisation is one of the two industry members in the ASTM team setting the specification standards governing the use of retro-reflective sheeting worldwide. Avery Dennison India is 100% wholly owned subsidiary of Avery Dennison Corporation, USA.

Our product line meets all class of retro reflective sheeting at IRC 67: 2010 for various classes of sheeting i.e., Class A,B, & C in turn to be used for signage and road and safety projects.

Avery products are as per the latest standards laid down by ASTM D4956 - 09, Indian Roads Congress (IRC 67:2010) and the Ministry of Road Transport and Highways (MoRTH).

Avery Dennison has been associated with various prestigious signage and road safety projects in India with the: -

- NHAI/State Highways/AAI/BRO/Indian Railways/State Tourism & State Police department
- Various civic authorities PWD, MCDA....
- Petroleum Companies & many more....

## Barcode India Limited

C-64 Okhla Industrial Area Phase 1  
 New Delhi 110 020 India  
 Tel : +91-11-26816687 - 90  
 Fax : +91-11-26816566  
 E-mail : sales@barcodeindia.com  
 Web : www.barcodeindia.com

G1-B



BCIL has been in the business for over 15 years and have emerged to be a leading solution provider for Enterprises across verticals for their needs in Mobility and AIDC. Our proven customized value added services help businesses implement cost effective yet scalable solutions. The domain specialists jointly work with customers to understand, design, develop and implement solutions for various processes to help providing them accurate and real time information thus increasing their efficiency and productivity leading to “Profit from Visibility”.

BCIL has countrywide presence with offices in Delhi, Gurgaon, Mumbai, Ahmedabad, Pune, Kolkata, Hyderabad, Chennai and Bangalore. Since inception we have been committed to design and develop solutions that streamline operations and enable the work force while meeting the most demanding of requirements.

We are ranked amongst Top 150 Indian IT companies, with over 2,000 customers using solutions in their critical business processes. Our dedicated process driven Software Development Center and RFID Lab ensures quality and standards based applications.

BCIL offers solutions for various AVI applications such as Electronic Toll Collection, Parking Management, Turn Around Time Monitoring, Field Mobility such as Violation, Compliance processing etc.



## Basler Lacke Ag

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Bresteneggstrasse 17 CH - 5033 Switzerland

Tel : +41 62 837 93 00

Fax : +41 62 837 93 60



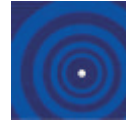
**BASLER**  
BERLAC GROUP

Basler Lacke Aa is a company that operates worldwide offering solutions and services in the field of paints and finishes for the protection and organisation of surfaces.

## Central Weighing UK

Unit 142 Hartlebury Trading Estate  
 Kidderminster DY104JB UK  
 Tel : +44 (0)1299 251242  
 Fax : +44 (0)1299 250002  
 E-mail : sales@centralweighing.co.uk  
 Web : www.central-weighing.co.uk

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Central Weighing Ltd UK are one of the world's leading suppliers of weigh in motion systems for toll and law enforcement applications with over 4000 installations in 35 countries.

Over 250 systems have already been supplied in to India and Central Weighing are investing heavily in a technical and after sales support infrastructure for their many new Indian customers.

Central Weighing manufactures systems in Both UK and India and offer customers a wide range of peripheral products to enhance their installations.

Automatic number plate recognition, automatic vehicle classification, overheight detection and RFID identification systems all form part of the range fully integrated in to the BESPOKE packages on offer.

The company also manufactures cheklode freeweigh one of the world's most advanced portable wim systems.

Offering both static and in motion weighing, cheklode gives enforcement agencies the ultimate in portable weighing solutions for vehicles of all sizes from light vans to multi axle articulated trucks weighing over 100 tones.

Central Weighing lead the way in overload detection and enforcement reducing the heavy burden overloaded trucks impose on many governments.

The company offer education and training facilities world wide and their presentation of "Why Weigh Axles" has been an outstanding success.

## Central Road Research Institute

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Mathura Road New Delhi - 110025 India  
Tel : 91-11-26921939  
Fax : 91-11-26845943 / 26830480  
E-mail : tkamla.crri@nic.in  
Web : www.crridom.gov.in

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Central Road Research Institute (CRRRI), a premier national laboratory established in 1948 and a constituent of Council of Scientific and Industrial Research (CSIR), is engaged in carrying out research and development projects on design, construction and maintenance of roads and runways, traffic and transportation planning of mega and medium cities, managements of roads in different terrains, improvement of marginal materials, utilization of industrial waste in road construction, landslide control, Ground improvements, environmental pollution, road traffic safety and analysis & design, wind, fatigue, Corrosion studies, performance monitoring/evaluation, service life assessment, and rehabilitation of highway & railway bridges. The institute provides technical and consultancy services to various user organizations in India and abroad.

For capacity building of human resources in the area of highway engineering to undertake and execute roads and runway projects, the institute has the competence to organize National & International Training Programmes.

## CMS Traffic Systems Ltd.

CMS Lake Road Centre 70 Lake Road  
 Kaycee Industries Compound Bhandup (W)  
 Mumbai – 400078 India

Fax : +91 22 2595 0169  
 E-mail : [trafficinquiry@cms.co.in](mailto:trafficinquiry@cms.co.in)  
           : [sales@cms.co.in](mailto:sales@cms.co.in)  
 Web : [www.cms.co.in](http://www.cms.co.in)

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CMS Traffic Systems Ltd, a part of the CMS Group of Companies, with an overall workforce of over 18,000, provides end-to-end IT product and services globally, for almost 4 decades. The Traffic Division, established in 1989, is one of the leading national players in India, offering Traffic and Transportation Management Solutions. CMS has successfully executed various complex projects in most Tier 1 and Tier 2 cities in India. CMS Traffic has its own in-house products, developed in state-of-the-art R&D (Government approved) centers. CMS has strategic relationships with leading global players in this arena, thus, enabling latest technology to customers in India. With its pan India presence, knowledge base of over 20 years in the Traffic Engineering & Management field, reinforced by being the largest System Integrator for Traffic Solutions, CMS is a preferred choice for most customers in India. Over the last few years, CMS Traffic has expanded into the ITS segment and is offering varied solutions for both urban and inter urban areas. CMS is the only Indian company to have partnered and successfully implemented fully fledged ATC systems & ITS/HTMS modules, in India. Globally, CMS Traffic has partnered and executed projects in Guyana, South America.

## Dark Eye

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3 Masjid Road Jangpura New Delhi 110014 India

Tel : +91 11 24 37 5332/5

Fax : +91 11 24 37 7350

E-mail : muskaansafety@gmail.com

Web : www.roadsafetyitems.com

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**DARKEYE™**

DARKEYE has been in the field of manufacturing world-class road safety products since 1998. It has become the most sought-after road-safety brand in the domestic market. DARKEYE products not only enhance road safety, but are vehicle friendly also. We are committed to produce state-of-the-art products through R & D and use of high quality raw materials at our manufacturing units in Punjab and Utrakhand, India. The whole gamut of our products includes spring-posts, traffic-cones, road-studs, solar-studs, speed-bumps, delineators, guide-posts, reflectors, signage, reflective jackets, electronic safety devices, etc. Thus our vision is complete road safety for all and our mission is to achieve this vision through our products.



## Dau Long Road-Mark Materials Co., Ltd.

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No.6 Zihciang 3rd Road Nankang  
Industrial Park Nantou City Taiwan  
Tel : 886-49-2252580  
Fax : 886-49-2252585  
E-mail : mark@dau long.com.tw  
Web : www.dau long.com.tw

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The logo for Dau Long, featuring the company name in a blue, cursive script font with a registered trademark symbol (®) to the right.

We are ISO 9001:2008 certificate company located in Taiwan. We specialized in traffic safety products.

Our products includes :

1. Thermoplastic road marking materials(meet BS & AASHTO standard)
2. Profile type thermoplastic road marking materials
3. Reflective road stud
4. Solar traffic sign
5. Solar road stud
6. Solar warning light
7. Solar module.

## Delcan Corporation International

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625 Cochrane Drive Suite 500 Markham Ontario  
L3R 9R9 Canada  
Tel : 905-943-0500  
Fax : 905-943-0400  
E-mail : r.gopal@delcan.com  
Web : www.delcan.com

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Delcan is an engineering, management, technology consulting firm. We specialize in a wide range of ITS applications and participate in all project phases from planning to implementation and systems operation. We conduct our business as consultants, system managers or members of turn-key contracts.

Our repeat business for clients in both the public and private sector in such diverse places as Hong Kong, Beijing, Johannesburg, Cyprus, Greece, Ireland, Canada, United States and South America is evidence of our expertise in the development of some of the industry's most progressive solutions, many of them recipients of prestigious national and international awards.

We are independent from equipment suppliers and therefore offer "true" system integration services and open-concept software solutions. Our strong transportation background allows us to focus on transportation operations and safety and helps us provide application-driven solutions such as our successful intelligent NETWORKS, a web browser based Advanced Traffic Management System. Our solutions and software products, including our successful intelligent NETWORKS, a web browser based, feature-rich Advanced Traffic Management System can be seen at the Delcan booth.

## EL-TRA srl

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Via G. Reiss Romoli 200 10148 - Torino - Italy  
Tel : +39 011 2202545  
Fax : +39 011 2266002  
E-mail : [info@eltrasistemi.com](mailto:info@eltrasistemi.com)  
Web : [www.eltrasistemi.com](http://www.eltrasistemi.com)

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EL-TRA specializes in the design, manufacture and supply of magnetic heads as well as motorized modular card/ticket dispenser, validator and reader equipment for PARKING, MOTORWAYS and PUBLIC TRANSPORTS.

It supplies these solutions to more than 40 countries worldwide.

Devices can integrate up to 4 technologies: MAGNETIC, BARCODE, RFID and CHIP.

## Envoys Electronics Pvt. Ltd.

482 Udyog Vihar Phase V Gurgaon 122016  
NCR-Delhi India

Tel : +91 124 430 9020-22  
Fax : +91 124 430 9023  
E-mail : sales@envoys.net  
Web : www.envoys.net

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Envoys Electronics was established in 1968 by our Chairman Mr. Mahendra Singh Kohli former member of the IS Panel that formulated IS Standard Specifications for Road Traffic Signals in 1974, and achieved credible performance in the field and earned a reputed place in the industry.

Quality Control Policy is strictly followed and that has enabled us to achieve ISO 9001: 2008. We are manufacturing all our products conforming to the Indian and International standards.

Four decades of experience has earned us a coveted place in the industry. We are providing our products and services to many govt. departments and numerous clients in private sector who are associated with urban & infrastructure development.

Export to several countries throughout the world speaks about our products and services across the globe.

Turnkey Projects are also being undertaken by Envoys for road Traffic Signaling and VMS. We have accomplished a number of projects through out the country for supply and installation of Traffic Signaling Equipment & Variable Message Signs in various strategic locations on Urban Roads & Highways.

Products: Traffic Signaling Equipment, Solar powered blinkers, VMS (Variable Message Sign), Tolling Sub Equipments viz, Toll Traffic Lights, User Fare Display, Over Head Lane Sign, Fog Lights, Manual Barriers etc. We can customize the products as per the special requirements of the clients.

Test laboratory facilities are available in-house that includes special computerized, Hi-tech Chromaticity testing for measuring optical performance.

## Era Group

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153 Okhla Industrial Estate Phase III  
New Delhi - 110 020 India

Tel : +91 11 40637000

Fax : +91 11 40637070

E-mail : [jkhushu@eragroup.in](mailto:jkhushu@eragroup.in)

Web : [www.eragroup.co.in](http://www.eragroup.co.in)

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Era Group is a world class engineering, construction and services conglomerate with a turnover of US\$ 1 billion. Era has an extensive and growing pan-India presence across the entire spectrum of Infrastructure development, including power transmission and distribution.

The group comprises fast-growing and dynamic entities - Era Infra Engineering Limited, Era Buildsys Ltd., Era Landmarks Ltd. and Era Business School. With diverse sectorial presence, Era's strength lies in expeditious execution of large scale projects. Our diverse range of segments include: Road/Highways, Railways (including Metro), Power Projects, Industrial projects, Institutional products, Airport Projects, Social Infrastructure, Refineries, Industrial Complexes and Commercial and Residential complexes.

## Faac India Pvt. Ltd. / Zeag AG

A-11 Sector – 59 Noida – 201 301 Uttar Pradesh India  
 Tel : +91 120 39 34 155/166  
 Fax : +91 120 30 69 041  
 E-mail : info@faacindia.com  
           enquiry@faacindia.com  
 Web : www.faacindia.com

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### Zeag AG

Pfadackerstrasse 10 SPREITENBACH 8957 Switzerland  
 Tel : +41564188111  
 Fax : +41564011478  
 E-mail : info@zeag.com  
 Web : www.zeag.com

FAAC is a truly international provider of parking management solutions. Founded in 1965, FAAC addresses in a reliable and cost-effective way all parking needs of different customers with stand alone or system-based solutions fulfilling operating efficiency needs.

FAAC pioneered in the market and now the leaders in the security automation products i.e. gates, doors, barriers, bollards & access control etc.

FAAC now represents an international industrial Group employing more than 1,000 people at 11 manufacturing sites and 15 Sales and Service offices in main international markets. A worldwide sales network enables FAAC to be close to its customers and meet all their needs, always and everywhere.

Zeag AG is a part of FAAC group of companies and is the leader in international parking systems. Zeag is operating for more than 50 years in the parking business: thus in Development, production, distribution and integration of innovative parking solutions.

FAAC Zeag products are made in Switzerland to extremely high standards. Product availability, services and support is guaranteed by the FAAC Zeag subsidiary companies around the world, including United Kingdom, South Africa, Canada and USA, followed by their worldwide network of Business partners and distributors. FAAC Zeag Group shows an impressive installed base of over 5,000 sites worldwide.

FAAC ZEAG experience ranges from small car parks with 50 spaces to fully networked airport facilities with over 20,000 spaces, i.e Airports, Medical Facilities, Municipal shopping centers, hotels, public car parks, office complexes, universities & colleges, Park & rider, amusement parks and trade fair sites.

Contact Person : Mr. Deepak Kapoor – Managing Director / Mr. Ashfaq Alam – Product Manager

## Faac S.p.A.

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Via Calari 10 ZOLA PREDOSA 40069 Italië

Tel : +390516172411

Fax : +39051758518

E-mail : [faacspa@tin.it](mailto:faacspa@tin.it)

Web : [www.faac.com](http://www.faac.com)

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**FAAC**  
*Simply automatic*



## Federal Signal Technologies

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1006 10/F Hua Qin International Building  
340 Queen's Road Central Hong Kong  
Tel : 852 8176 4886  
E-mail : info@rsiid.com  
Web : www.fstech.com

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Federal Signal Technologies deliver a level of client satisfaction that has redrawn the intelligent transportation system (ITS) and electronic tolling performance ceiling by joining the best and most capable companies of the industry- Federal Automated Parking Devices (FAPD), Diamond Consulting/Idris, PIPS Technologies, Sirit and VESystems.

Federal Signal Technologies offers a unique, proven blend of cutting edge ITS technologies and operational excellence, derived from and supported by our 5 subsidiaries. Specialising in the key state of art products and services that will drive tomorrow's ITS solutions such as RFID technology, self park automated systems, congestion management solutions, call centre operations and Automated Licence Plate and Optical Character Recognition software – we supply not only an unparalleled depth of expertise, but proven value.

Through VESystems' expertise in complete system design and operations, Sirit's RFID applications, Idris' detection and classification capabilities, PIPS' cutting edge software and camera equipment, and FAPD's automated parking products, FST's customized solutions are, right now, benefiting companies and transportation agencies all over the world.

## Frontier Polymers (P) Ltd.

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B-1 / H-2 Mohan Co-operative Industrial Estate  
Mathura Road New Delhi 110 044 India  
Tel : +91 11 41622733 / 734  
Fax : +91 11 41679398  
E-mail : delhi@trafficsafetyindia.com  
Web : www.trafficsafetyindia.com

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The logo for Frontier Polymers (P) Ltd. features the word "frontier" in a bold, blue, lowercase sans-serif font. A horizontal line is positioned above the letters "i", "e", and "r".

Frontier Polymers Pvt. Ltd. has been engaged in the manufacturing and distribution of Road safety products such as Water Filled Barriers, Plastic Jersey Barriers, Movable Barriers, Rubber Speed Bumps, Convex Mirrors, Column Protectors, Inspection Mirrors, Traffic Cones, Bullnose Impact Barriers etc since 2001. Over the years we have invested heavily in new machinery, toolrooms and designing.

Our constant improvement in better raw materials, new designs, sustaining top quality has helped us to be a part of some of the most prestigious infrastructure projects currently in the country. Clients range from Airport developers, Housing developers, roads and highway infrastructure developers etc.

ONCE YOU BUY A 'FRONTIER' PRODUCT YOU REALISE YOU HAVE INVESTED WISELY..!

## GEVEKO

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Longelsevej 34, 5900 Rudkøbing, Denmark  
Tel : +45 63 51 71 71  
Fax : +45 63 51 71 72  
E-mail : sales@gevekomarkings.com  
Web : sales@gevekomarkings.com

B3



Geveko focus our business around horizontal markings, and have over 60 years of experience from the marking industry. Competent sparring, expertise and knowledge are important factors to guide you in the right direction, when you have a marking job to do!

GEVEKO offers the full range of materials for horizontal markings. We are marking the future with AquaRoute® - AQ paint, HSRoute® - HS paint, ViaTherm® - thermoplastic, PREMARK® and DecoMark® - preformed thermoplastic, TacPad® and TacGuide® - tactile markings and PlastiRoute® - cold plastic.

Our product development is focused on quality products adapted to individual customer demands, local regulations and varying climates. Furthermore, we take pride in having both flexible and short delivery times!

## Grün GmbH Spezialmaschinenfabrik

Siegener Straße 81-83

D-57237 Wilnsdorf

Tel : +49 271 39880

Fax : +49 271 3988159

Web : [www.gruen-gmbh.de](http://www.gruen-gmbh.de)  
[www.marktec-gruen.com](http://www.marktec-gruen.com)



Our company was founded in 1919 and has been producing reliable and high-quality special machines for the construction industry for almost a century.

The extensive product range includes sophisticated special machines and products for the areas of marking, casting, mastic asphalt, roofing and security technology that ensure a convincing performance quality for the user.

As a specialist in marking technology we supply the right machine for every marking task, ranging from small handheld devices, through various self-propelled ride-on machines, to marking trucks with maximum capacity.

In addition, you will receive lane dryers, demarking devices, thermoplastic preheaters, bead scatterers, marking materials, transport trailers, etc. As an experienced manufacturer of special machines we also manufacture special equipment and machines tailored to the individual needs of the user.

GRÜN also offers fully developed products for joint and crack sealing, from the milling of cracks, through hot air lances, to casting compound boilers with 50 to 800 litres of filler content. We also manufacture boilers and machines for producing, recycling and transporting mastic asphalt with tank sizes from 200 to 10,000 litres. Equipment for pothole restoration complements the product range.

## GSI Ltd.

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Gwangchi Industrial Complex 2  
75-12 JEONBUK 590-180 Zuid-Korea  
Tel : +82636348686  
Fax : +82636348880  
E-mail : ks@ks0486.com  
Web : www.ks0486.com

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## HAENNI Instruments AG

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Industrie Neuhof 66 3422 Kirchberg Switzerland  
Tel : +41 31 506 5412  
E-mail : [beat.cotting@haenni-scales.com](mailto:beat.cotting@haenni-scales.com)  
Web : [www.haenni-scales.com](http://www.haenni-scales.com)

F-011

**HAENNI**

HAENNI Instruments Inc. is domiciled in Kirchberg, Switzerland

We have been producing mobile scales for the determination of the weight of heavy goods vehicles since 1974. The world wide distribution is effected by our own sales offices or through qualified representations. The main part of our products are developed in house and are produced to a big extent in our own facilities.

## Haryana PWD (B&R)

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Nirman Sadan Plot no-1 Sector-33A  
Chandigarh-160 020 India  
Tel : 91 172 2549840  
Fax : 91 172 2549354  
E-mail : [pwd-eic@hry.nic.in](mailto:pwd-eic@hry.nic.in)  
Web : [www.hayanapwd.nic.in](http://www.hayanapwd.nic.in)

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# Highway Care International

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The Highlands Detling Hill Maidstone Kent  
Me14 3HT United Kingdom  
Tel : +44 (0)1622 734215  
Fax : +44 (0)1622 735106  
E-mail : [ben.duncker@highwaycareint.com](mailto:ben.duncker@highwaycareint.com)  
Web : [www.highwaycareint.com](http://www.highwaycareint.com)

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Highway Care prides itself on being at the forefront of road safety innovation throughout the world. Our core values encapsulate innovation, quality, honesty, customer service and best value.

Highway Care continuously strives to develop new and existing road safety products, which perform to the highest testing standards in the world. For over 30 years, we have provided our customers with confidence, security and belief in the products we offer, always ensuring the highest of quality and performance standards.

Highway Care is delighted to exhibit a range of its road safety products for the first time at InterTraffic India 2011. Please visit our stand B1 for a full demonstration of our products, including BarrierGuard 800, ArmorZone and BarrierGuard Gate and meet our experienced and knowledgeable team to find out how we can help you improve safety and reduce costs.



## Hill & Smith Infrastructure Products India Pvt Ltd (HS IPI)

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335 Udyog Vihar Phase IV Gurgaon  
Haryana 122015 India  
Tel : +91 124 438 3721  
Fax : +91 124 438 3720  
E-mail : [enquiries@hsipi.in](mailto:enquiries@hsipi.in)  
Web : [www.hspi.in](http://www.hspi.in)

BS



Hill & Smith Infrastructure Products India Pvt Ltd (HS IPI), the Indian arm of the UK's leading group of roads infrastructure product supply companies owned by Hill & Smith Holdings Plc.

Each company works with transportation consultants and road construction companies and meets UK and European standard specification and NOW one of Group company products has been accredited for use in INDIA. All the Group company products will be delivered in India through HS IPI.

The group companies each specialize in complimentary sectors of the roads market ranging from vehicle restraint products through to car park structures and on to ATCC, ANPR and variable message sign (AMS) technologies.

HS IPI currently supply the following products in India: Brifen Wire Rope Safety Fence, Top Deck Car Parks. CA Traffic ATCC/AVCC and ANPR cameras and recently Techspan VMS.

HS IPI has been established to serve the Indian market by delivering UK and European specified quality and performance whilst maximizing the local content to ensure long term support our Indian clients.

## Indian Roads Congress

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Sector 6, R K Puram Kama Koti Marg  
Near RBI Quarters New Delhi - 110022 India  
Tel : +91-11-26185303  
Fax : +91-11-26183669  
E-mail : [secretarygen@irc.org.in](mailto:secretarygen@irc.org.in)  
Web : [www.irc.org.in](http://www.irc.org.in)

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## ORE Peinture

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ZAC du bon puits BP 50123 49481  
St Sylvain d'Anjou Cedex  
Tel : 33 (0)2 41 21 14 10  
Fax : 33 (0)2 41 21 14 18  
E-mail : ore@wanadoo.fr  
Web : www.ore-peinture.fr

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ORE is a Road making products producer. ORE offers a large range of paints and systems - paints - thermoplastics - cold plastic for road making and also solutions for urban planning.

## Ingal Civil Products

57-65 Airds Road Minto NSW 2566  
 NSW Australia  
 Tel : +61 2 9827 3333  
 Fax : +61 2 9827 3300  
 E-mail : sales@ingalcivil.com.au  
 Web : www.ingalcivil.com.au

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Ingal Civil Product is a leading manufacturer and supplier of safety barrier systems. We are part of a large network of companies specializing in engineered steel products and galvanizing services whilst employing over 8000 people in more than 20 countries.

A recent addition to our product rang is Ezy-Guard, a MASH TL3 compliant guardrail barrier providing superior motorist safety and installation benefits. Ezy –Guard offers fewer components, rapid installation and high performance.

The use of fewer components and a lightweight Z-post design provides savings on materials, freight and installation. Ezy-Guard is up to 55% narrower than the current guardrail systems conserving valuable formation width and allowing a greater recovery width to be provided for errant vehicles.

Ezy-Guard has been designed to provide consideration to road users including motorcyclists, pedestrians and cyclists. The Ezy-Guard design does not contain any elements that become projectiles and there are no aggressive edges.

The revolutionary design of Ezy-Guard shields the top of the posts by positioning the guardrail above the posts. This eliminates a dangerous snag point, reducing the potential for the barrier to dismount motorcyclists or cyclists. This is a significant safety benefit compared to all guardrail and cable barrier designs.

## Intercomp

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3839 County Road 116 Medina MN 55340 U.S.A.  
Tel : +1 763 476 2531  
Fax : +1 763 476 2613  
E-mail : [info@intercompcompany.com](mailto:info@intercompcompany.com)  
Web : [www.intercompcompany.com](http://www.intercompcompany.com)

C-15



Intercomp Company manufactures High and Low Speed Weigh-In-Motion, Wheel Load and Axle Load scales to weigh and classify vehicles. Intercomp's Portable and In-Ground Scale Systems can weigh vehicles in-motion for cost effective monitoring of weight and classification data. Intercomp's Weigh-In-Motion software can weigh statically or dynamically and features a user friendly windows based interface for point-and-click operation. Intercomp also offers critical Traffic Control Accessories to build a complete roadside weighing solution. These scales are essential for data collection, preventative road maintenance and over weight vehicle enforcement.

Intercomp is the world's largest manufacturer of portable weighing solutions, and has been serving the transportation industry for over 30 years, producing the highest quality products while maintaining competitive pricing and a strong commitment to customer service. No other manufacturer offers a wider selection of portable weighing products that combine the industry's most sought after features with the latest in wireless weighing technology.

Intercomp's weighing solutions will provide the accuracy necessary to obtain reliable readings and will complete any weighing application.

For more information contact Intercomp at: [info@intercompcompany.com](mailto:info@intercompcompany.com), visit us online at [www.intercompcompany.com](http://www.intercompcompany.com) or call us Toll Free: 800-328-3336 or Worldwide: 763-476-2531.

## Intertraffic Worldwide Events Amsterdam RAI

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P.O. Box 77777 1070 MS Amsterdam  
The Netherlands  
Tel : +31 20 549 1212  
Fax : +31 20 549 1889  
E-mail : [intertraffic@rai.nl](mailto:intertraffic@rai.nl)  
Web : [www.intertraffic.com](http://www.intertraffic.com)

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Intertraffic is recognized worldwide as the number one trade fair formula for infrastructure, ITS traffic management, safety and parking. Intertraffic Amsterdam is the platform for professionals from around the world to meet with regional spin-offs in Turkey, China and India. New events are regularly launched in emerging markets. Intertraffic is also publisher of a dedicated trade magazine, Intertraffic World. The next Intertraffic event takes place in Amsterdam from 27-30 March 2012.

## IPS Group, Inc.

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E-mail : [sales@ipsgroupinc.com](mailto:sales@ipsgroupinc.com)  
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C-5



IPS Group, Inc. is the patented provider of credit card enabled single-space parking meters, helping cities and universities around the globe upgrade and manage their parking operations. IPS is the only company in the world that can offer the entire on-street parking solution, with meter housings and meter mechanisms which offer additional payment options including coins, credit/debit cards and smart cards. Customers benefit from access to real-time parking meter data, a comprehensive and intuitive web-based meter management system, and help employ green initiatives by using solar power technology. A complimentary product suite including vehicle detection sensors and remote payment options make the IPS solution the most advanced parking system in the world.

## IRD South Asia Pvt. Ltd.

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INTERNATIONAL ROAD DYNAMICS  
SOUTH ASIA PVT. LTD.

International Road Dynamics South Asia Private Limited is a Traffic Management Products and systems technology company. We are a 100% owned subsidiary of IRD Inc., a Canadian company with 30 years of experience in the ITS industry. IRD is a multi-discipline company specializing in advanced traffic control, weight enforcement, and toll management technologies.

IRDSA supplies manual and automated toll systems, weight-based tolling for enforcement, ETC using RFID 18000-6C, ERP tolling, back office/clearing house, operations and maintenance of Toll Plazas, and Highway Traffic Management Systems (HTMS).

IRDSA has over 1000 toll lanes in India and 300 kms of HTMS/ATMS. IRDSA's well-qualified team of professionals is well acquainted with different client requirements. We implement and design the range of solutions from simple audit to electronic toll collection systems incorporating multiple payment options through smart cards, weekly/monthly passes, and bar code scanned receipts along with real time incident detection/transaction monitoring and Revenue Auditing Tools & functionality that benefits all the stakeholders. IRDSA is a turn-key solutions provider and we believe in working with our clients as PARTNERS. With IRD's support, IRDSA has access to the best proven and tested ITS solutions, products and services.



## IRF India Chapter & Conference Sponsors' Pavilion

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H-7, 8, 11, 12



International Road Federation has been active in India since 2005. On maturing the roots, IRF India Chapter was established on 5th February 2009 under the aegis of IRF Geneva Program Centre. It is registered under the Societies Registration Act XXI of 1860 as an NGO with its aims and objectives in consonance with the parent body IRF. India has embarked on a huge road development programme, and these have surely re-defined the manner in which the roads were built in the past. The major road development programmes in India like NHDP and PMGSY have also changed completely the mobility scenario of the country. All these developments are required to be compliant to the highest level of safety by building the forgiving roads.

With the dubious distinction of having the highest road fatalities in the world, the true concern for tackling it is yet to be felt uniformly among all stakeholders. In view of this, IRF India Chapter has taken up the theme of Road Safety as its Mission. It has been able to convince the nodal Ministry of Road Transport & Highways, by its advocacy drive, about the serious concern of road safety in India which is having highest number of road fatalities. It has jointly launched the National Campaign for Reduction of Road Fatalities in September 2009. IRF India Chapter is also actively involved in three other focus areas like PPP, Environment and ITS. It organizes the Annual Conference with the support from the nodal Ministry of Government of India, and this series of conferences is recognized as the most coveted road safety conference in the region with participation from both developed and developing countries. Further, it has adopted a multi-prong approach to its advocacy for improving the road safety.

IRF India Chapter and Indian Roads Congress (IRC) have agreed to jointly promote the use of Greenhouse Gas Calculator, CHANGER, for realising developments of greener roads. Most recently, IRF India Chapter under CSR funding of ICT Pvt. Ltd. has developed an unique hand-held mobile RADaR (Road Accident Data Recorder), which is going to be used by Police Stations. It is able to collect all required data from the accident scene through menu-driven touch screens, as it is equipped with GPS, GPRS, digital camera and sound recording systems. This means that, very soon all the deficiencies of accident data recording will be a thing of the past.

## IRF Geneva Programme Centre

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Web : [www.irfnet.org](http://www.irfnet.org)

A-16-B



The International Road Federation (IRF) is a non-governmental, not-for-profit organisation with the mission to encourage and promote development and maintenance of better, safer and more sustainable roads and road networks. Working together with its members and associates, the IRF promotes social and economic benefits that flow from well-planned and environmentally sound road transport networks. It helps put in place technological solutions and management practices that provide maximum economic and social returns from national road investments.

The IRF has a major role to play in all aspects of road policy and development worldwide.

- For governments and financial institutions, the IRF provides a wide base of expertise for planning road development strategy and policy.
- For its members, the IRF is a business network, a link to external institutions and agencies, such as the United Nations and the European Union, and a business card of introduction to government officials and decision makers.
- For the community of road professionals, the IRF is a source of support and information for national road associations, advocacy groups, companies and institutions dedicated to the development of road infrastructure.

Through the International Road Educational Foundation the IRF awards grants to graduate engineers and other transportation professionals from around the world in support of full-time academic training. With this the IRF actively supports the future generations who will build the road networks.

With a wide network across over eighty countries on six continents, the IRF believes that it can make a difference by providing best practices and expert advice to today's multi-faceted world of transport.

## Institute Of Road Traffic Education (IRTE)

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H-5



## ITS International / World Highways (Route One Publishing Ltd.)

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ITS International is the leading international magazine for traffic management and urban mobility.

ITS International was first published in 1995 to assess the benefits of Intelligent Transport Systems as they moved from research and development into full-scale installations. Today, it is renowned as the leading magazine serving the industry, concentrating on the deployment of technology, rather than simply the technology itself. A subscription includes:

- 12 months supply of ITS International magazine (6 issues) in print
- The ITS International eNewsletter – emailed twice a month to over 40,000 industry professionals
- Unlimited access to the ITS International website – over 9 years of fully searchable archived industry information.

World Highways is the leading international magazine for road planning, design, construction, financing and management.

First published in 1991, World Highways offers both Global and European editions, and each issue includes exclusive information provided by the International Road Federation. A subscription includes:

- 12 months supply of World Highways magazine (9 issues) in print
- The World Highways eNewsletter – emailed twice a month to over 50,000 industry professionals
- Unlimited access to the World Highways website – over 9 years of fully searchable archived industry information.

To guarantee your copies register today @ [www.roplreg.com](http://www.roplreg.com)

## Kataline Group

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Kataline Group is a leader in road marking industry in India.

Consist of three divisions,

- Kataline Infraproducts Pvt Ltd-manufacturer of road marking paint –cold paint and thermoplastic paint
- Kataline Infraproducts Pvt Ltd(Equipment) manufacturer of road marking machine
- Kataline Construction Pvt Ltd-Road marking execution company

Kataline is the pioneer to bring in cold plastic technology to India. It will be our main attraction on this exhibition. Beside that we are already a long time manufacturer of thermoplastic and cold paint in India.

Our equipment division is to be the first and only Original Equipment Manufacturer (OEM) in South Asia to manufacturer road marking machines. We are able to fabricate and supply the full ranges of road marking machines and equipment under one roof.

Kataline Construction has the greatest name in road marking field with good track record and distinguished clients such as IJM, L&T, Soma and many more.

## Keltron

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A-10



### KERALA STATE ELECTRONICS DEVELOPMENT CORPORATION (KELTRON)

KELTRON is a Technology-Driven enterprise that manufactures and markets Electronic components, Equipments and Systems for Communication, Defense, Industrial and Home applications. Coupled with high caliber Technical expertise available in-house, KELTRON has re-positioned itself as a Total Solution Provider in Electronics. The current capabilities of the Company include System Integration, Project Management and Consultancy.

KELTRON Group comprises the holding company Kerala State Electronics Development Corporation Limited and Subsidiary and Associate Companies turning out more than 100 different types of products. Eight Branches located at Ahmedabad, Bangalore, Kolkatta, Chennai, Delhi, Hyderabad, Mumbai and Trivandrum ensures that the products are backed by dedicated support and service.

#### Business Domains :

- Information Technology
- Strategic Electronic Products for Defense
- Space Qualified Electronic Systems
- Process Automation Systems
- Studio & Broadcasting Products
- Industrial Electronic Systems
- ID & SMART Card Solutions
- Intelligent Transportation Systems
- Fare Collection Systems
- Consumer Electronics
- Components

## Kistler Instruments (India) Pvt. Ltd.

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Web : [www.kistler.com](http://www.kistler.com)

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**KISTLER**  
measure. analyze. innovate.

Kistler is one of the world's leading suppliers of sensors and sensor electronics for measuring pressure, force, torque and acceleration. Kistler products are used in research, development and production in countless applications such as engine development, automotive engineering, plastics and metal processing, biomechanics, aerospace industry and road & traffic.

A well developed international sales network with 25 Kistler Group Companies and more than 30 distributors enables us to provide our customers individual on-the-spot advice.

In the market segment Road and Traffic, Kistler provides unique weigh in motion (WIM) technology for road and rail applications. Unique quartz sensors with appropriate electronics allow very accurate vehicle weighing on the road or rail and are used to measure the wheel-and axle loads and to determine the vehicle gross weight under rolling conditions at low and high speed.

## La Semaforica srl

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 LA SEMAFORICA  
TRAFFIC MANAGEMENT SYSTEMS

LA SEMAFORICA is a growing company providing the complete range of signalling and traffic management products, services and solutions. The focus of LA SEMAFORICA's business is to keep traffic in motion, inform and guide the traveller with innovative products and services in order to support the growing mobility needs of society.

Our company offer quality ITS systems and solutions in urban and inter-urban traffic control, parking, public transport, and infomobility.

Italian leader in the manufacture of high-quality polycarbonate signal heads for road LA SEMAFORICA has developed GALILEO a new concept of slim traffic lights with a new shape and an optical system based on a IP65 led modules.

TMacs platform is our new concept of centralization system for traffic management open to all cities.

All LA SEMAFORICA products are subject to ISO 9001- certified quality management procedures and R&D. They comply with international standards and have been approved by independent test institutes such as CERTIF for CE approval EN12368:2006 for traffic lights. For more information on LA SEMAFORICA, please visit [www.lasemaforica.com](http://www.lasemaforica.com).



## MassTrans Systems Pvt. Ltd.

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F-10, 11, 13

MASSTRANS

MassTrans is focused in the area of providing end to end solutions for the transportation & infrastructure industry. Headquartered out of Pune, we have offices and service presence in over 10 strategic locations across the country.

Since 1991, we have been at the forefront in realizing our customers' needs and offering unbeatable state-of-the-art equipments/products for Mass Transit and Infrastructural Applications.

One of the first products we introduced in India in 2004 was LED Bus Signs through a tie up with Europe's leading manufacturer, M/s Hanover Displays Limited, UK, We have our signs installed in over 7000 buses over the last 7 years.

Since 2010 we have embarked upon a massive expansion and diversification program to address the requirements of Public Transportation, Parking and Traffic Management Systems and the product range, inter alia, includes :

- Passenger Information Systems
- On Board Computers
- Automatic Fare Collection Systems
- Parking Guidance & Management Systems
- Pay and Display Machines (Parking Machines)
- LED Road Signs (Shelter/Toll/Speed/Lane/VMS/Portable Solar Powered)
- Advanced Traffic Management Systems (ATCC, Meteorological Sensors, ECBs)
- Electronic Toll Collection Systems & Tag Dispensers
- Automatic Multimode Toll Payment Machines
- Speed & Traffic Light Enforcement Cameras

## Measurement Specialties, Inc.

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ES



Measurement Specialties is the world leader in piezoelectric axle sensors for installation into the road for vehicle counts, classification, speed and red light cameras and Weigh in Motion. The Roadtrax BL Sensor is installed into a narrow slot in the road. The small, flexible sensor generates an electric signal as the tire passes over the sensor. The amplitude of the signal is proportional to the weight of the axle passing over the sensor. These are used extensively in the UK, the EU, and the USA for WIM systems. For counts, classification and speed, the time between the outputs from two sensors is used for extremely accurate measurements that are specific to the individual vehicle. They are the standard sensor used in many speed camera systems around the world. The SensorLine GmbH Fiber Optic Traffic Sensors are designed for Toll Operations. Capable of both high speed and low speed performance, they accurately classify vehicles of all configurations for manual and automatic toll collection. The SensorLine Sensors are available in a variety of forms to allow for easy installation. Interface cards are available to allow the Fiber Optic sensors to operate with existing toll systems.

## Metalmeccanica Fracasso India Pvt. Ltd., Mumbai

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Metalmeccanica Fracasso India Pvt. Ltd. is a part of the ITALY based FRACASSO Group of Companies. The company with its Asian office at Mumbai, India is a subsidiary of Fracasso SpA, Italy. The Group with manufacturing facilities at Italy, Russia and Croatia has set up another base in India, to cater to the markets of India and South East Asia.

From the time of inception in 2003 in India, we have gained reputation as one of the prestigious manufacturers, exporters and suppliers of different types of barriers. With our consistent efforts and dedicated business approach, we have been able to empower ourselves in this competitive market.

The group pioneered by its flagship company, Fracasso SpA, a leading manufacturer and provider of road safety products, has always pursued a quality-based approach to all its processes: from research and development to production, as well as its commercial strategy. All our products have been demanded and used by a number of major road construction companies based in India, Middle East, Africa and South Asian Countries. We are an ISO 9001 certified company and are a member of Indian Road Congress, Engineering Export Promotion Council and Indo-Italian Chamber of Commerce. In addition to a wide product array, we also offer services of Design, Manufacturing, Supply, and Turnkey Solutions. The manufacturing facility of the Indian subsidiary is located at Murbad near Mumbai and the registered office at downtown Mumbai. The plant is spread over 10 acres and includes a state of the art manufacturing facility.

### Introduction of Fracasso Group

Brief History : Set up by Mr. Oreste and Mr. Iginio, the company started its operations as an artisan firm in the middle of 1940s and soon began bulk production of metal scaffolding in the year 1950. With the passing years, Fracasso became active in the manufacturing of formworks for cement. Later, it also got engaged in the study and manufacturing of road safety barriers, mains pipes, breast walls, and soundproof panels. In 1980s, the company introduced new concepts of energy absorption in order to adapt the characteristics and performances of road barriers, according to the new traffic conditions. In the following years, the company also developed steel road safety barriers for both small cars and heavy vehicles.

The motto of Metalmeccanica Fracasso India Pvt. Ltd. is to provide safety and reliability in all walks of life, which is reflected from the fact that, Metalmeccanica Fracasso India Pvt. Ltd. offers its client a whole series of guarantees that cover the general internal organization, design, manufacture and installation of its products, which only major companies, leaders in their fields, are able to assure.

## Michelin India Tyres

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B-8-A



## MetroCount

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E-20



MetroCount, with headquarters in Western Australia, offices in USA and UK, and global distribution networks, is the world leader in design and manufacture of traffic monitoring equipment and software.

Exported to over 80 countries and with thousands of units in use world-wide, MetroCount's very popular vehicle counters and classifiers combined with sophisticated software, give traffic engineers and planners unmatched versatility with invaluable road statistics.

MetroCount offers seven major product lines, covering the spectrum of road user monitoring and traffic data reporting.

MetroCount will exhibit the exciting and innovative MetroCount 5600 Vehicle Classifier, exemplifying our very successful "time-stamping approach to traffic surveys."

MetroCount's latest software, Traffic Executive™ v3.21, revolutionises traffic data gathering and reporting, with field operating software and reports in many languages. Provided free with all MetroCount traffic monitoring products, Traffic Executive is the most powerful traffic analysis tool, with many graphs, charts, tables and user-defined options.

MetroCount's clients include national and state road authorities, local government authorities, national parks, and private traffic engineering consultants and contractors.

## National Rural Roads Development Agency (NRRDA)

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A-3



### Objective

The primary objective of the programme is to provide good all weather connectivity to all unconnected habitations with a populations of 500 and above. In respect of the Hill States, desert areas and Tribal Areas, the objective is to connect habitations with a population of 250 and above. The programme envisages single all-weather connectivity. With a view to ensuring full farm-to-market connectivity, the programme also provides for the upgradation of the existing Through Routes and Major Rural Links to prescribed standards.

### Achievements

- About 1,08,000 habitations covered, requiring construction/ upgradation of about 425 thousand km of roads with an investment of about INR 119 thousand crores (USD 27 billion).
- Over 319 thousand km roads completed benefiting about 82,968 habitations.
- Asian Development Bank (ADB) assistance of USD 1150 million for Assam, Chhattisgarh, Madhya Pradesh, Orissa and West Bengal.
- Over INR 84 thousand crores (USD 18.9 billion) released to the States and an expenditure of over INR 80 thousand crore (USD 18 billion) incurred.
- World Bank assistance of USD 400 million in RRP-I for Himachal Pradesh, Jharkhand, Rajasthan and Uttar Pradesh and USD 1500 million in RRP-II for Himachal Pradesh, Jharkhand, Meghalaya, Punjab, Rajasthan, Uttar Pradesh and Uttarakhand.
- Over 21,000 engineers and personnel provided training for capacity development under the technical assistance programme of World Bank/ NRRDA.
- From January 2007 to March 2011, about 18,877 inspections carried out by independent National Quality Monitors.
- The impact of PMGSY roads is clearly visible on the ground through better prices for agricultural produce, more employment opportunities, better access to health and educational facilities, improved marked access for rural households of quality consumer durables etc.

## Olvia JSC

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Olvia JSC designs and manufactures traffic control devices. The company's product range includes the Arena speed cameras (intended for automatic photographing of vehicles violating speed limits) and the Vizier 2M portable video recording traffic radars, which can be operated by police force both in a fixed location as well as in a patrol car on the move.

## Onward Chemicals Pvt. Ltd.

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 Web : www.onwardchem.com

D-4



Onward Chemicals is amongst the oldest and most reputed distributor of raw materials for Road Marking Paints in India. Onward has set up an in house laboratory for testing all products supplied by us and also have the capability to test the end products made by our customers. We have warehousing facilities at key locations and deliver all over the country. We have recently added some specialty products for the infrastructure sector and our current product range comprises:

- GLUED STEEL FIBRES from Jingjiang Star Smith Metal Product Co. Ltd (SDS)  
 Applications : Precast concrete, industrial floors, dams, nuclear power stations, roads & bridges, concrete spraying of tunnels & quays, airport runways, military projects.

For Road Marking Applications, we have the following products:

- For Road Marking Applications, we have the following products:
  - C5 HYDROCARBON RESINS - Hikorez<sup>®</sup> form Kolon Industries, Korea
  - GLASS BEADS - INSTAGLO<sup>™</sup> Drop on  
 GLASS BEADS - Intermix
  - POLYETHYLENE WAX - OnWax
  - SPECIALTY ADDITIVE - OnAdd ED-22
  - OnAdd PP OIL
  - C5 & C9 HYDROCARBON RESINS - Indorez<sup>™</sup>  
 Applications : HMRM, Adhesives and Coatings
  - EVA RESIN - ALCUDIA<sup>®</sup> from Repsol, Spain  
 Applications : Road Marking Paints and Bitumen Modifications



## PARKEON

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D-3



Parkeon is a key player in urban mobility sector. Leader in ticketing and systems for parking and transport payment, Parkeon is today present in 50 countries.

Its capacity for continual innovation has been displayed throughout its 35 years history.

Parkeon systems and equipment facilitate mobility management in over 3,000 towns and cities.

Among these, CHENNAI, BANGALORE and HYDERABAD are already equipped with Parkeon on-street parking equipment.

Parkeon will present on its stand the 'Strada' pay & display terminal and the central management system 'myParkfolio'.

## PTV Planung Transport Verkehr AG

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Web : [www.ptvag.com](http://www.ptvag.com)

B-2



PTV Vision: software suite for transportation planning and simulation with its tools VISUM and VISSIM

### Innovations at Intertraffic India

At Intertraffic India 2011 we will introduce the following (product/service/concept) which has not previously been exhibited on the Indian or Asian market:

Brand: PTV Vision

Product: VISUM, VISSIM

PTV Vision, with its tools VISUM and VISSIM, is the worldwide leading software suite for transportation planning and operations analyses.

VISUM is a comprehensive, flexible software system for transportation planning, travel demand modelling and network data management.

VISSIM is the leading microscopic simulation program for multi-modal traffic flow modeling; with its unique high level of detail it accurately simulates urban and highway traffic, including pedestrians, cyclists and motorized vehicles.

## Punj Lloyd Ltd.

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The Punj Lloyd Group is a diversified international conglomerate offering EPC services in Energy and Infrastructure along with engineering and manufacturing capabilities in the Defence sector.

With a turnover of US\$ 1.8 billion, the Group's three brands - Punj Lloyd and PL Engineering headquartered in India and Sembawang Engineers & Constructors in Singapore, each with its own subsidiaries and joint ventures, converge to offer complementary services, rich experiences and the best practices from across the globe. Twenty international offices and entities across the Middle East, the Caspian, Asia Pacific, Africa, South Asia, China and Europe, have established Punj Lloyd as a proven and reputable Group.

Having built projects across the world, the Group continues to provide integrated design, engineering, procurement, construction and project management services for the energy, infrastructure and petrochemical sectors. From pipelines, tanks and terminals to refineries, power plants to renewables, airports, rail transit systems to expressways, the Group can offer EPC solutions across a wide spectrum of businesses.

A dynamic enterprise, the Group explores and pursues the enormous opportunity in markets globally. Partnering with the best in their own arena, Punj Lloyd brings technology and quality to clients worldwide and reiterates its belief of delivering the best, in services and manufacturing. An excellent track record for successful completion of projects within tight schedules, lends credibility to the Group, encouraging clients to trust it with repeat orders.

The rich 26,000 strong skilled multicultural workforce, has the experience of working in different geographies and diverse terrain, empowering the Group to aggressively pursue its vigorous plans.

The Group's key strengths are its varied experience, rich knowledge of local conditions, high standards of health, safety, quality and environment, accolades and recognitions from industry bodies and clients, its ability to manage operations in diverse industries and economies, long-term relationships with world-class clients and ability to mobilise financial resources. The huge fleet of equipment Punj Lloyd owns gives the company an edge over its competitors.

In its pursuit of business, the Group endeavors to uplift the community where it operates. Social and environmental concerns are closely interwoven in Punj Lloyd Group's core practices and decision making. From providing education to many underprivileged children through its own school to enriching the lives of thousands of workers at its sites, Punj Lloyd is committed to the cause of community enrichment.

For more on Punj Lloyd, please visit [www.punjlloydgroup.com](http://www.punjlloydgroup.com)

## Quadstone Paramics

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Web : [www.paramics-online.com](http://www.paramics-online.com)



Quadstone Paramics

Quadstone Paramics Traffic and Pedestrian simulation software is used by transport professionals worldwide to design efficient, economical, driver and pedestrian friendly transportation infrastructure allowing assessment of current and future year traffic conditions, detailed reporting of key MOE's and high definition presentations to non-technical stake holders.

### Product: GIS Integration Module

Intertraffic India 2011 see the world debut of our new GIS integration module which provides a seamless link between traditional GIS applications and detailed traffic simulation allowing traffic engineers and transport planners to manage their modelling data, analysis workflows and communicate with non-technical audiences. Part of the PBBI group (developers of MapInfo Pro 11) Quadstone Paramics is blending traffic simulation and traditional GIS technologies to provide a powerful publishing and analysis platform for desktop, enterprise and cloud services.

## RADARLUX Radar Systems GmbH

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E-18



RADARLUX provides a complete scope of handy equipment to efficiently support traffic enforcement policy.

Products range from classifiers, speed displays (preventive actions) to speed guns and radar cameras (repressive measures) integrating up-to-date technologies for effortless traffic improvement.

## Rajdeep Info Techno Pvt. Ltd.

Liberty Society-Phase II Lane No. 5 North Main Road  
Koregaon Park Pune 411001 Maharashtra India  
Tel : +91-20-26159269  
Fax : +91-20-26154270  
E-mail : [moreinfo@it.rajdeeps.com](mailto:moreinfo@it.rajdeeps.com)  
Web : <http://it.rajdeeps.com>

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Rajdeep Info Techno Private Limited is a subsidiary venture of Rajdeep Group of Companies, a well-known construction group of companies operational in road, bridges and industrial infrastructure construction, head office in Pune.

We are India's leading and fastest growing company specialized in executing major projects of Intelligent Transportation Systems (ITS) that includes Highway Toll Management Systems, Bulk Construction Material Management Systems, Highway Traffic Management System

We have our own proprietary technologically advanced Automatic Vehicle Counting and Classification (AVCC) device based on VLSI and Infra Red technology.

We are the only company in India in highway tolling management that is providing pre classification and pre audit for senior authorities and post classification and audit for toll booth Operator.

We are the first company in India that has handled vehicle weight based tolling operations in the state of Punjab integrating Weigh Bridge in pre-classification mode.

We are the only company that has integrated India's first ring road toll project, which has 52 lanes of toll plaza in single project having 7 toll plaza and multiple entry-exit lanes and control through head office from single location.

Rajdeep Info-Techno Private Limited is currently handling more than 600 toll lanes all over India in 73 projects. All of the these projects are "Total Automation Solution" that includes, integrated Pre audit AVC, Surveillance camera, traffic signals, barcode scanners, automatic boom barriers, panic alarms, Weigh-in-motion, weighbridges, user fare display and also Electronic Toll Collection (ETC) with the use of Smart Card and RFID tag technology.

## Reflexite Safety India Pvt. Ltd.

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219 Hill View Industrial Estate Amrut Nagar  
Ghatkopar (west) Mumbai 400 086 India  
Tel : +91 22 6796 9798  
Fax : +91 22 2500 7335  
E-mail : info@reflexiteindia.com  
Web : www.reflexiteindia.com

A-2-A, 4, 5, 6, 7



### ORAFOL REFLEXITE

ORAFOL Europe GmbH is a leading manufacturer of reflective material for Traffic Control & Safety, Signage & Advertising, Vehicle License Plates and wide range of graphic products and special tape systems. With the focus on being "Engineered to Perform Better™", ORAFOL is a and EN ISO 14001 certified company.

REFLEXITE Corporation, part of the ORAFOL group is a globally recognized brand with a focus on "Saving Lives and Saving Energy™". With a global footprint, covering every continent, REFLEXITE deals in self adhesive micro prismatic retro-reflective sheeting for vehicle conspicuity, Personal protection Safety, Temporary traffic control signage and Marine safety, and energy saving solutions in the field of solar and display markets. All REFLEXITE'S products are designed and manufactured under ISO 9001.

Within our Reflective Solutions business, we work to save lives by increasing visibility and recognition on and around roadways. Our vehicle conspicuity retro reflective solutions and signage material for traffic control and safety have always contributed in making the highways safer. The reflective garments have saved many lives in construction sites, mines and other industrial areas. Not many people can say they helped save a life today!

REFLEXITE Safety India Pvt. Ltd is an ISO 9001 certified company with focus to bring to the doorsteps of people of India engineered life saving solutions to perform under light and in dark as well as in wet conditions.

## Reflomax India

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C-25 DSIDC Complex Kirti Nagar  
New Delhi 110015 India  
Tel : +91 11 41055551  
Fax : +91 11 41055515  
E-mail : [info@reflomaxindia.com](mailto:info@reflomaxindia.com)  
Web : [www.reflomaxindia.com](http://www.reflomaxindia.com)

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**REFLOMAX**  
INDIA

Reflomax produces and exports the reflective materials all over the world. We supply the customers with a wide range of products :Reflective fabric, film, yarn, micro-prism sheet (in roll type), microprismatic reflective sheeting for traffic sign with excellent quality which comply with EN471 Level 2, ANSI/ISEA Level 2, EN13356, EN1150, EN13422 R1 & R2, etc.



## Serco Global Services Pvt. Ltd.

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6th Floor Tower - B Building No. 8 DLF Phase - II  
Gurgaon India

Tel : 0124 4009300  
Fax : 0124 4009310  
E-mail : pavitra.roy@serco.com  
Web : www.serco.com

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Serco is one of the world's leading service and outsourcing companies employing 100,000 professionals in 30 countries worldwide. Across the globe we Advise, Design, Integrate & Deliver solutions and services in sectors such as Transportation, Civil Government, Science, Education, Health and Defence.

Serco's Transportation sector capabilities are evident in the multitude of contracts we deliver to Urban & Highways Traffic, Aviation, Rail & Metro, and Marine authorities from the USA to Australia, through Europe, Middle East and Asia; enabling delivery of a superior & cost efficient service to our customers. Serco has designed, implemented & operates several traffic management centres and traffic control systems globally.

Serco established itself in India in 2008, focusing initially on the Business Process Outsourcing market, and currently employs about 40,000 professionals operating out of 20 locations across the country. We now aim to bring Serco's worldwide expertise to India in other market sectors.

India has recently exhibited a strong focus and commitment towards transport infrastructure, keeping pace with the country's development and growth challenges. This makes it a natural choice for Serco to bring to India our well proven expertise in transport systems, technology and operations gained across the world over the last 30 years.

## Shell India Markets Pvt. Ltd.

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9th Floor Building 9A DLF Cyber City Phase III  
Gurgaon - 122 002 India  
Tel : +91 124 4771500  
Fax : +91 124 4771600  
E-mail : sbipl-customer\_connect@shell.com  
Web : www.shell.com/india

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1. Shell Spramul : Cationic Bitumen Emulsions, used for construction and maintenance of roads
2. Shell Cariphalte : Elastomeric Polymer modified Bitumen used for heavily loaded, high density road corridors, airport and racetrack pavements
3. Shell Mexphalte CRMB : Crumb Rubber modified Bitumen : blended in central plant and site, meeting the requirement of most state and national highways in the country
4. Shell Thiopave : Mix modifier that replaces part of Bitumen in asphalt mix & imparts additional strength to the road pavement
5. Shell Shelmac PR : Ready to use cold mix for repair of potholes and other depression on road pavements.

## Shenyang Modern Traffic Facility Co., Ltd.

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No. 10-1 Yingchun Bei St Shenyang P.R. China

Tel : +86-24-89196078

Fax : +86-24-89195381

E-mail : [sales@xd-cn.com](mailto:sales@xd-cn.com)

Web : [www.xd-cn.com](http://www.xd-cn.com)

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Our Company is mainly engaged in the road safety products including road marking machines, road barriers, reflective materials and so on, with an experience of more than 30 years.

## Shindo Industry Co., Ltd.

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922-3 Dongpae-Ri Gyoha-eup Gyeonggi-Do  
413-834 Korea

Tel : +82-31-956-7797  
Fax : +82-31-949-0013  
E-mail : [trading@moosago.com](mailto:trading@moosago.com)  
Web : [www.shindosafety.com](http://www.shindosafety.com)

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## Signature

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41 Rue Des Trois Fontanots 92024 Nanterre France  
Tel : +33 60 87 20 314  
E-mail : [kristina.taylor@signature.eu](mailto:kristina.taylor@signature.eu)  
Web : [www.groupe-signature.com](http://www.groupe-signature.com)



Signature is specialized in equipment for roads, motorways and cities.

## Skidata (India) Pvt. Ltd.

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G-004-05 Turf Estate Shakti Mill Lane  
Off Dr. E. Moses Road Mahalaxmi  
Mumbai 400 011 India

Tel : +91 22 4218 1000  
Fax : +91 22 4218 1090  
E-mail : [anil.makhija@skidata.com](mailto:anil.makhija@skidata.com)  
Web : [www.skidata.com](http://www.skidata.com)

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**SKIDATA**  
SOLUTIONS GROUP

SKIDATA AG is the market leader in Parking Solutions and revenue control for Malls, Airports, Commercial and Residential Complexes, Stadia and event applications. Part of a Billion CHF Kudelski Group and a presence in over 35 countries world-wide, SKIDATA has over 7000 installations. SKIDATA has extended its reach in India starting January 2007 with Hinditron Group.

SKIDATA India has claimed the most esteemed references in India across a variety of market segments. Customers include: GMR Hyderabad Airport, Bangalore Airport, Mumbai Airport, Inorbit Mall (Malad & Vashi), Oberoi Mall, DLF (Emporio, Saket, Vasant Kunj), Ansals, Express Avenue Growel 101, Bharti Group etc... Maximizing Revenue, providing valuable marketing information, preventing fraud and offering the visitor a technologically advanced experience, are a few of the many benefits our customers derive from the SKIDATA technology.

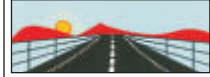
In January 2009, looking at the success which SKIDATA's products enjoyed in the Indian market and the kind of working professional approach which Hinditron provided, SKIDATA has extended its focus in India by investing into a Joint Venture with Hinditron calling the company "SKIDATA (India) Pvt Ltd".

The Company will continue to work with customers who are long-term players in the retail: airport, infrastructure and building industry who would like to extend their services and use powerful marketing data using technology.

## Surya Enterprises

B-34 Lajpat Nagar-I Opp. Defence Colony Petrol Pump  
 Ground Floor New Delhi - 110024 India  
 Tel : +91-11-46575027  
 Fax : +91-11-29817013  
 E-mail : suryaentind@yahoo.co.in  
 Web : www.suryaenterprises.tradeindia.com

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Surya Enterprises (India) is a leading manufacturer and trading company dealing in road safety devices and traffic sign boards. Committed to the philosophy of continuous innovations, our focus has always been on developing products for Indian and International environments. User friendliness, ease of operation, longer service life, ease of maintenance and cost effectiveness are some of the values that guide our research and development efforts.

### Our Products

We are engaged in the manufacturing of the following products:

- Road Studs solar & reflective
- Delineators solar & reflective
- Guard Rail Reflectors & Reflectors
- Cone & Post
- Speed Bump Plastic & Metal
- Reflective Safety Jackets/Belts/Dress
- Clamp Delineators/Light - Batons/Blinkers
- Lighted & Non Lighted Bollard
- Cautionary Signs

### Our Quality

Our road safety products are manufactured in-house with the highest quality standards. Our designs are custom modified to suit the requirements of our customers, are attractive with maximum reflective visibility and tamper resistant keeping in view the outdoor application of the products. Our team of technical experts and specialized equipment ensures total Quality Assurance and Performance to the complete satisfaction of our valued customers.

### Our Infrastructure

In a rapid changing market, we keep pace with new developments and innovations in our products portfolio to offer materials suitable for convectional and specialized application methods of International standards. KMGS is committed to working closely with their valued clients towards achieving the standards of high performance that are increasingly being specified by MORTH, IRC, BS, EN, NHA and other respective authorities.

## TBR Infra

D. No 7-130/2 TBR Bhavan Near Post Office NH - 5  
Alampuram - 532146 West Godavari Dist.  
Andhra Pradesh - India

E-7



Tel : 08818 - 281140  
Fax : 08818 - 281140  
E-mail : [sagar@tbrgroups.com](mailto:sagar@tbrgroups.com), [rajesh@tbrgroups.com](mailto:rajesh@tbrgroups.com)  
Web : [www.tbrgroups.com](http://www.tbrgroups.com)

TBR Group is an established name for providing unmatched services in Toll Operations, Incident Management (Route Operations), Operation and Maintenance of Highways and Security Services. Having a pan India presence, TBR Group leads the way for pursuing its business with utmost honesty, integrity, commitment and transparency.

With over thousand employees, 700 crores annual turnover and an average daily collection of about 2 crores, TBR Group is making its presence felt as the Trusted Partner for the leading NHAI and BOT concessionaires of the country.

In addition, TBR Group keeps trend with technology and unreservedly adopts latest technologies and infrastructure to meet international standards. All pursued with a view to make life safe and secured for highway users, to achieve optimum operational efficiency and to ensure our clients with maximum profitability.

Fully understanding the need for personnel with high levels of integrity for delivering fair and hassle-free Highway Management Services operations, TBR Group takes care in recruiting only those personnel found with clean backgrounds. And a dedicated team is in place to carry out the background screening process.

With most efficient systems in place ably delivering to comprehensive range of services, TBR Group is inspiring a new era in Highway Management Services.



## Telegra India Pvt. Ltd.

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506 Jyoti Shikhar District Centre Janakpuri  
New Delhi – 110058 India  
Tel : +91 11 45771177  
Fax : +91 11 45771177  
Web : [www.telegra.in](http://www.telegra.in)

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For over 20 years Telegra d.o.o. has been establishing itself as a leading supplier of advanced traffic management systems for highways and tunnels in every corner of the world. Telegra is offering design, supply and maintenance of complete ITS solution for all road infrastructure related requirements (interurban, urban and tolling solutions) – from equipping an isolated road section with rudimentary ATMS, up to the complete national highway management architecture for national network – **all-in-one** system solutions from design to turn-key, out-of-the-box delivery of an integrated system.

## Termac S.R.L.

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Via Dell'Industria Castiglione Delle Stiviere (MN) Italy  
Tel : +39 0376 671714  
Fax : +39 0376 671733  
E-mail : [info@termacmacchine.it](mailto:info@termacmacchine.it)  
Web : [www.termacmacchine.it](http://www.termacmacchine.it)

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Termac S.R.L. asserted Italian company in the field of Line Tracers. Equipment production since many years. Produces self – propelled machines as well as equipments mounted on industrial trucks for laying.

- Thermoplastic Material (Extrusion - Strained Spray)
- Traditional Paint (Under Pressure)
- Airless Paint, Two Components

The main point of Termac company is not only the standard equipment like series MV-MT but thanks to the high abilities of our technicians we realize machinery on measure for every kind of demand. Every machine is accompanied by a series of optional : Pneumatic Guns, Extruders, Pneumatic Beads Spray, All of Termac manufacturing. A valid net of customer care and efficient spare parts provision is an absolutely important aspect that Termac has developed through Europe and in many countries like Iraq, Iran, Saudi Arabia and South Africa.

## Thinking Highways

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15 Onslow Gardens Wallington Surrey SM6 9QL UK  
Tel : +44 203 463 9480  
Fax : +44 208 647 8725  
E-mail : kevin@h3bmedia.com  
Web : <http://thinkinghighways.com>

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Thinking Highways is now entering its sixth year of publication after launching at the 2006 ITS World Congress in London and has made a major impact on the industry it serves. The BPA-audited magazine, along with its sister titles ETC, etc (The International Tolling Review) and Managed Motorways, is published in two regional editions has become renowned for its unbiased reporting, thought-provoking opinion pieces, hard-hitting columnists, fascinating case studies and in-depth features that focus not just on technology, but policy, strategy, finance, innovation, implementation, integration and interoperability. The Sep/Oct issue of Thinking Highways Europe/Rest of the world, features a fascinating article on Mumbai Metropolitan Region Development Authority's innovative Wi-Fi plans. Register today at [thinkinghighways.com](http://thinkinghighways.com) and find out why we are the Intelligent Choice.



## Traficon

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Vlamingstraat 19 B-8560 Wevelgem Belgium  
Tel : +32 (0)56 37 22 00  
Fax : +32 (0)56 37 21 96  
E-mail : [traficon@traficon.com](mailto:traficon@traficon.com)  
Web : [www.traficon.com](http://www.traficon.com)



Traficon is THE world reference in video image processing for traffic analysis. As an ISO9001 certified company, we strive to meet our customer requirements by delivering reliable high quality products. Our reputation is backed by 25 years' proven field experience and more than 80,000 Traficon sensors, operational worldwide.

Building on a development by Louvain University started in 1979, Traficon research has led to a powerful product range. Our basic product is the VIP detector board processing traffic images with dedicated algorithms. Traffic managers use our technology for traffic data acquisition, automatic incident detection and intersection presence detection in highway, tunnel, bridge and urban applications.

The Video Image Processor (VIP) is a standard detector board for intelligent traffic control. The VIP detector analyses the video images to generate a wide range of traffic data and incident alarms.

Integrated Video Sensors (TrafiCam, Safewalk) combine video sensing, video processing and communication within a single embedded device. These sensors are used for intelligent vehicle and pedestrian detection at signalized intersections.

## Trans Metalite India Ltd (TMIL) / Metalite International Pvt. Ltd. (MIPL)

4417/7 Ansari Road Daryaganj New Delhi-110 002 India

Tel : +91-11-23270084

+91-11-23272233

+91-11-23272725

Fax : +91-11-23281696

E-mail : info@transmetalite.com; info@metalite.in

Web : www.metalite.in

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TRANS METALITE INDIA LIMITED (TMIL) & METALITE INTERNATIONAL PRIVATE LIMITED (MIPL) are essentially marketing companies dealing with INNOVATIVE & ENVIRONMENT FRIENDLY, GREEN PRODUCTS/ TECHNOLOGIES from the best all over the world.

### Product Profile

- Master Distributor of 'SPARKLE' Solar Road Studs & Solar Arrow Boards manufactured by TATA BP SOLAR INDIA LIMITED – an ISO 9001 & ISO 14001 companies.

These studs brand have been accredited by Indian Roads Congress & approved by NHAI (National Highways Authority of India).

- Exclusive Indian Associates for Infra Red Recycling Pot-hole Repairing System for roads, by M/s. Nu-Phalt Ltd., U.K. & we get it assembled by M/s. Texmaco Ltd., Kolkata.

This has been accredited by Indian Roads Congress, approved by BBA, UK & jointly approved by MCD & CRRI (Central Road Research Institute).

- Exclusive Marketing Associates for S-102, a unique curing compound for concrete structures from SINAK, USA.

This has been accredited by Indian Roads Congress and successfully tested by CRRI. Approved by Delhi & Jaipur Metro

- Exclusive Marketing Associates for RELAY, a unique patching and resurfacing compound compatible with all types of material (ex: Concrete, Wood, Asphalt, Metal etc.)

- Exclusive Marketing Associates for CIDEX, Glass Fiber Reinforcement Grids for Asphalt Roads from 6D Solutions, France.

This has been accredited by Indian Roads Congress.

- Exclusive Business Associates for Puncture – free Tyre Sealant manufactured by The OKO Group, UK.

- Exclusive Business Associates of Laser Optical Equipment Ltd, UK for their Laser Optical Scanner for Non Invasive Detection of Explosives Residue.

In addition to the above products we shall now soon be entering the market with more state of the art technologies, to name a few as under:

- T3 SERIES- An ELECTRIC STAND-UP VEHICLE (ESV). It is truly the next generation in GREEN PERSONAL TRANSPORTATION SOLUTIONS, specially for security patrolling.

## Trinity Highway

2525 N. Stemmons Freeway Dallas Texas 75207 USA  
 Tel : 001 214 589 8140  
 Fax : 001 214 589 8423  
 E-mail : product.info@trin.net  
 Web : www.energyabsorption.com  
 www.highwayguardrail.com

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Trinity Highway Products, LLC, headquartered in Dallas, Texas is a leading manufacturer of highway guardrail, highway guardrail end treatments, temporary and permanent crash cushions, truck-mounted attenuators, cable barrier systems. Offering a full line of standard and proprietary products, Trinity Highway Products is a recognized innovator of highway safety products, manufacturing products that have been tested, approved, and accepted as meeting established federal and state safety guidelines in the US. The company also manufactures a range of European compliant products, tested and approved to European standards, EN 1317. Products include:

- Guardrail end treatments: ET-Plus™, EuroET, Trend, CAT 350, ABC Terminals
- Attenuating crash cushions: TRACC, HEART, GuardGuard™, Quest™, Fitch,
- NEAT Barriers: Cable Safety System™ (CASS™), Vulcan™
- Truck Mounted Attenuators: Vorteq™ Trailer TMA, SafeStop, MPS 350

## TSS Transport Simulation Systems

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Passeig de Gràcia 12 08007 Barcelona Spain  
Tel : +34 93 317 16 93  
Fax : +34 93 317 17 16  
E-mail : info@aimsun.com  
Web : www.aimsun.com

F-01



TSS - Transport Simulation Systems develops and markets Aimsun, a fully integrated traffic modelling software application uniquely capable of fusing static, dynamic and hybrid approaches within a single environment. Sister application, Aimsun online, is a simulation-based solution for real-time traffic management. TSS has offices in Barcelona, New York and Paris with over 2000 licensed users in 60 countries worldwide.



## Turbo Consultancy Services Pvt. Ltd.

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602-604 Pragati Tower 26 Rajendra Place  
New Delhi – 110 008 India

Tel : +91-11-25760653 / 25760517

Fax : +91-11-25737372

E-mail : [turbo@turbosecurity.com](mailto:turbo@turbosecurity.com)

Web : [www.turbosecurity.com](http://www.turbosecurity.com)

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Turbo as is made known in the Professional circles was founded in 1986 with an objective of providing quality electronic traffic, security & safety products and related services. Turbo has expertise in designing, developing all kind of security & surveillance systems. It is engaged in R&D, manufacturing, Installation, marketing, and maintenance of CCTV System, Traffic Monitoring Systems, City Video Surveillance System, Speed RADAR / LASER Gun, Red Light & Speed Violation Enforcement System, e-challaning system, Breath analyzer, Prison Call System, Road Disaster Management Vehicle, Mobile Interceptor Vehicle, Under Vehicle Scan System, Hand Held / Door Frame metal Detectors, Variable Message Signs, Fire Alarm System, Public Address system, Area Traffic Control, Parking Management System, Automatic Number Plate Recognition System, Vehicle Counting classification, occupancy & speed, Perimeter Security system, Building Management System, Intelligent Transportation (ITS) System, Safe City Projects, Automatic Number Plate Recognition (ANPR) System, Vehicle Tracking System with GPS alongwith Video through in-built Camera, Man Down Alarm System, etc. etc.

## Ubisen Co., Ltd.

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103 BL Cener Ajou Motor College 290-1  
Kwansan-Ri Jupo - Myeon Boryeong-Si Chungnam Korea  
Tel : 82 31 222 3162  
Fax : 82 31 222 3164  
E-mail : sales@ubisen.co.kr  
Web : www.ubisen.co.kr

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Ubisen Co., Ltd. is a manufacturer of Sun-Powered products in South Korea. Our unique technique makes our products lighted 100% all year around. We make the most durable, perfect water proof and sophisticated design products. Our products include Solar LED Cat's Eye, Lane Safety Marker, Landscape Light and Bollard. Please visit us.

## UKIP

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Abinger House Church Street  
Dorking Surrey RH4 1DF, UK

F-8-VI



Tel : +44 1306 743744  
Fax : +44 1306 887546  
E-mail : [sales@ubisen.co.kr](mailto:sales@ubisen.co.kr)  
Web : [www.ukipme.com](http://www.ukipme.com)

## Vaaan Infra

Villa 8 Block-II Eros Garden Charmwood Village  
 Surajkund Road Delhi NCR – 121009 (Faridabad)  
 Tel : +91-129-2515050  
 E-mail : sales@vaaaninfra.com  
 Web : www.vaaaninfra.com

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Vaaan Infra is a Manufacturer & Supplier of entire Intelligent Transportation Solutions segment which includes:

- Automated Tolling Systems (Toll & ETC)
- Weigh -In-Motion systems (SSWIM & HSWIM)
- Highway Traffic Management Systems (HTMS)
- Access control & Parking Management Solutions
- Back office & Central Clearing House (CCH) solutions
- Highway Operations & Maintenance (O&M)
- Incident Management Services (Cranes, Ambulances & Route Patrol Vehicles)

Vaaan Infra is a front runner in introducing & offering, for the very first time in India, the Revenue Assurance Programme which ensures that the Concessionaires achieve the maximum return on their precious Investments.

Vaaan comprises of key professionals & executives with several years of rich experience in Highway Infrastructure segment. This experience translates into excellent domain knowledge, understanding of functional and technical aspects of ITS solutions, project management and delivery. Our team brings vast knowledge pool that enables us to customize and indigenize different ITS offerings.

Vaaan has recently been awarded with Key & High Visibility Tolling Automation Projects vis the Mumbai Entry Points, the Kolhapur Entry Points & the Delhi Entry Points.

With the best On-ground Operations & Technical team, Technology, Design & Development Center, In-house Systems Integration & Manufacturing Setup, Testing & Training facility, Vaaan Infra has exceptional local capacity and infrastructure to deliver & effectively support projects over their life cycle.

## Vialis International

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Kapelanielaan 14 B - 9140 Temse  
 Tel : +32 3 886 59 15  
 Fax : +32 3 886 59 15  
 E-mail : info@vialis.be  
 Web : www.vialis.be



### Vialis supplies Mobility

In order to enable travellers to reach their destination, they can count on the expertise and dedication of professionals, day and night. Road managers, transporters, traffic managers and police steer traffic in the right direction. They can rely on Vialis for that. Our innovative products and services together constitute an intricate information network. In that way, traveller and traffic manager can make a conscious choice for safety, environment and accessibility.

Vialis is the mobility provider of the Netherlands. Vialis has products and services in order to guarantee the circulation and safety, and we keep the environment as 'green' as possible. We do not do that by ourselves. Together, people create mobility. We listen to the traveller, inform the traveller, and collaborate with our partners and clients on suitable mobility solutions.

Our products, systems and services see to it all.

#### - Quality of life

The users of our systems are informed on safety, environment and circulation of traffic at any moment and in any situation, and can make a targeted choice for the optimum scenario: a one-way trip, or traffic in general.

#### - Timely and complete information

Information is required to make a well-considered mobility choice. Timely: before the trip, during the trip, and during the final metres, including a place to park. Complete: route, travelling time, price and burden on the environment; public transportation and private car.

#### - Pay securely and easily

This is a condition for transportation from-door-to-door. Today, Vialis realises the chip card for public transportation - tomorrow the Mobility Card. Later on, Road User Charging will follow: paying for the use of a car, not for owning it.

## W.D.M. Limited

Staple Hill House Broad Street staple Hill  
 Bristol BS16 SLT UK  
 Tel : +44(0) 117 956 7233  
 Fax : +44(0) 117 957 0351  
 E-mail : info@wdm.co.uk  
 Web : www.wdm.co.uk

C-4



WDM® offers the complete highway asset management solution, plus unrivalled experience and technical expertise. The Company is the UK's leading manufacturer and provider of highway survey and monitoring equipment, with a unique understanding of highway maintenance and asset management.

WDM® is also the sole licensed manufacturer worldwide of the SCRIM® (Sideway-force Coefficient Routine Investigation Machine) and the UK' largest survey contractor, serving all UK Government agencies and most local authorities.

WDM® integrated asset management systems link condition data with accidents, structures, customer services, inventory, routine maintenance, work orders and street lighting.

WDM® provides survey services worldwide to develop policies and management systems for safer roads and more cost effective highway maintenance processes.

The TM2 – The updated TM2 mini texture meter has been designed as an alternative to the sand patch test.

The TM2 transversely measures the road profile very frequently over a width of 100mm to build a detailed record of the surface to deliver the definitive marco texture measurement standard with repeatable and reproducible results.

Developed and manufactured in-house by WDM®, this routine texture measurement instrument calculates and stores Root Mean Square Texture Depth (RMSTD) and Mean Profile Depth (MPD) providing 10 and 50m averages.

## Weissker GmbH

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Geraer STR. 9 07973 Greiz-Gommla Germany  
 Tel : +49 3661 455971  
 Fax : +49 3661 456030  
 E-mail : michaela.horlbeck@weissker.com  
 Web : www.weissker.com

A-1-A



The Weissker group of companies ("Weissker") is one of the world leaders in manufacturing of glass beads for road marking. Weissker currently sells into several markets including Russia, CIS, Europe and North America.

Weissker's multiple manufacturing operations use various methods to assure the highest quality product in the industry. Its small (or Lux®) beads (generally in grade 60-850 micron) are manufactured from recycled glass and used in road marking and for various industrial uses. Its large (or UltraLux®) beads (generally in 600-2000 microns) are regarded as the highest quality beads in the world and are made from virgin glass. Weissker is the largest producer in the world of UltraLux® beads used for road marking.

All products comply with various international quality standards including EN1423 and EN 1424. The quality management system is TÜV certified according to ISO 9001:2000. The products conformity to the standards is being constantly verified through the tests carried out by independent laboratories in Russia, Europe and U.S.

High performances and stable quality of the products, flexibility to meet specific requirements of the customers and in-house research and development activity enable Weissker to hold a unique position in the glass beads market.

## Zehntner GmbH

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Testing Instruments Gewerbestrasse 4  
 CH-4450 Sissach Switzerland  
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 Web : www.zehntner.com

E-11



For more than 40 years, Zehntner stands for Swiss-made high precision measuring instruments for retroreflection, day visibility and other surface properties of road markings and other coatings.

At Intertraffic India we are launching our new budget priced model ZRM 6006 RL/Qd Retroreflectometer, a fast and precise measuring instrument for the day and night visibility of road markings.

ZRM 6014 Zehntner-RL/Qd Retroreflectometer with cutting-edge technology 5.7" colour touch-screen, extendable fold-away handle and fixed mounted wheels, mapping software "Mapping Tools", calibration standard, USB-cable for data transfer to PC/laptop, certificate of manufacturer, certificate of calibration, sturdy transportation carrying case with wheels

ZRM 6006 Zehntner-RL/Qd Retroreflectometer for fast and precise results. for the determination of night and day visibility, temperature and relative humidity, calibration standard, certificate of manufacturer, certificate of calibration, sturdy transportation carrying case with wheels

1 ZND 2052 Zehntner-Road marking control kit  
 With wet film thickness gauge, 1 insertion thermometer, hygrometer, electronic balance, magnifying glass, dry film gauge

ZMM 5000.mm Zehntner-Digital marking gauge for dry film thickness of road markings

ZMP 5010 Zehntner-Marking wedge gauge for dry film thickness of road markings

Various other measuring and testing equipment for the properties of road surfaces.



## Zhejiang Daoming Optics & Chemical Co. Ltd.

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No. 1 Kingbin Road 3rd Xiangzhu Industrial Zone  
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B-11



Zhejiang Daoming Optics and Chemical Co. Ltd. is the leading manufacturer and exporter in the field of reflective material in China, by having an advanced research center and four factories with more than 1000 workers.

DM is specialized in Reflective Sheeting (CE, EG, HIG, HIP), Reflective fabric, Reflective Vest/Jacket and other Reflective products. We hope to work with you in the future.



## Calculator for Harmonised Assessment and Normalisation of Greenhouse-gas Emissions for Roads

# The Path to Climate Neutral Roads

In today's demanding world, no industry can afford to ignore its impact on the environment and on climate change. As we move into the future, better roads must be built by practitioners who are fully aware of the impact of their activities and of the possibilities for reducing it. The road infrastructure sector is taking on its responsibility. Willing to help in this global endeavor, the International Road Federation has designed a greenhouse gas calculator – CHANGER - specifically tailored to road infrastructure projects.

### Features :

1. Sound sources of data in line with internationally recognized standards
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3. Two main modules: a) Pre-construction b) Pavement
4. Adaptable to user needs
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6. Converting emissions into normalised units
7. Reporting results and exporting files
8. Tested by international experts in the field

**Those customers, who want to procure CHANGER software in India, can contact :**



### **International Road Federation (India Chapter)**

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### **Indian Roads Congress**

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# Intertraffic

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