



WELCOME

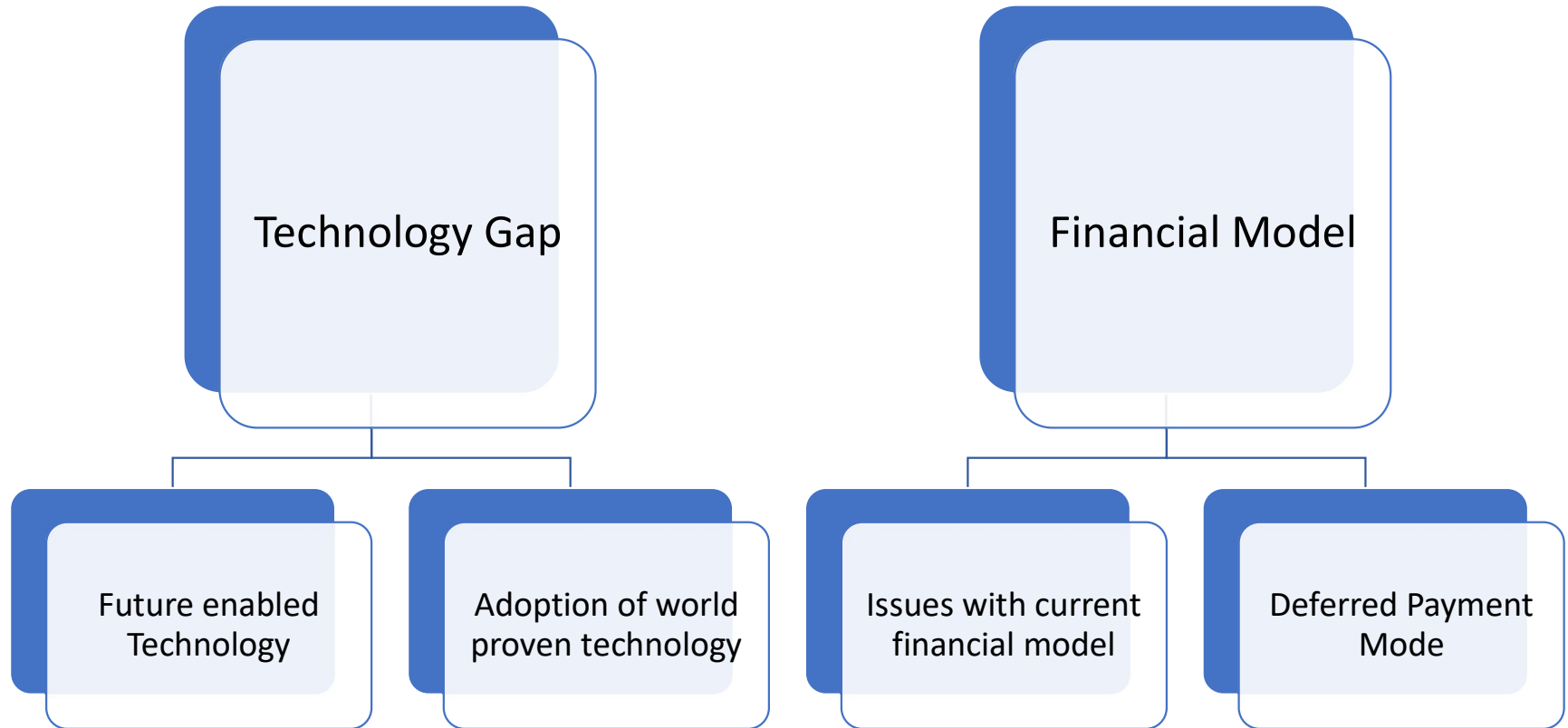


Driving Humanization

International Road Federation Fast Tracking Road Safety

Speaker : Jitendra Hariramani
Executive Director
Trafitek Solutions Pvt Ltd

Agenda





Need for Technology on Highways ?

Increase in safety .

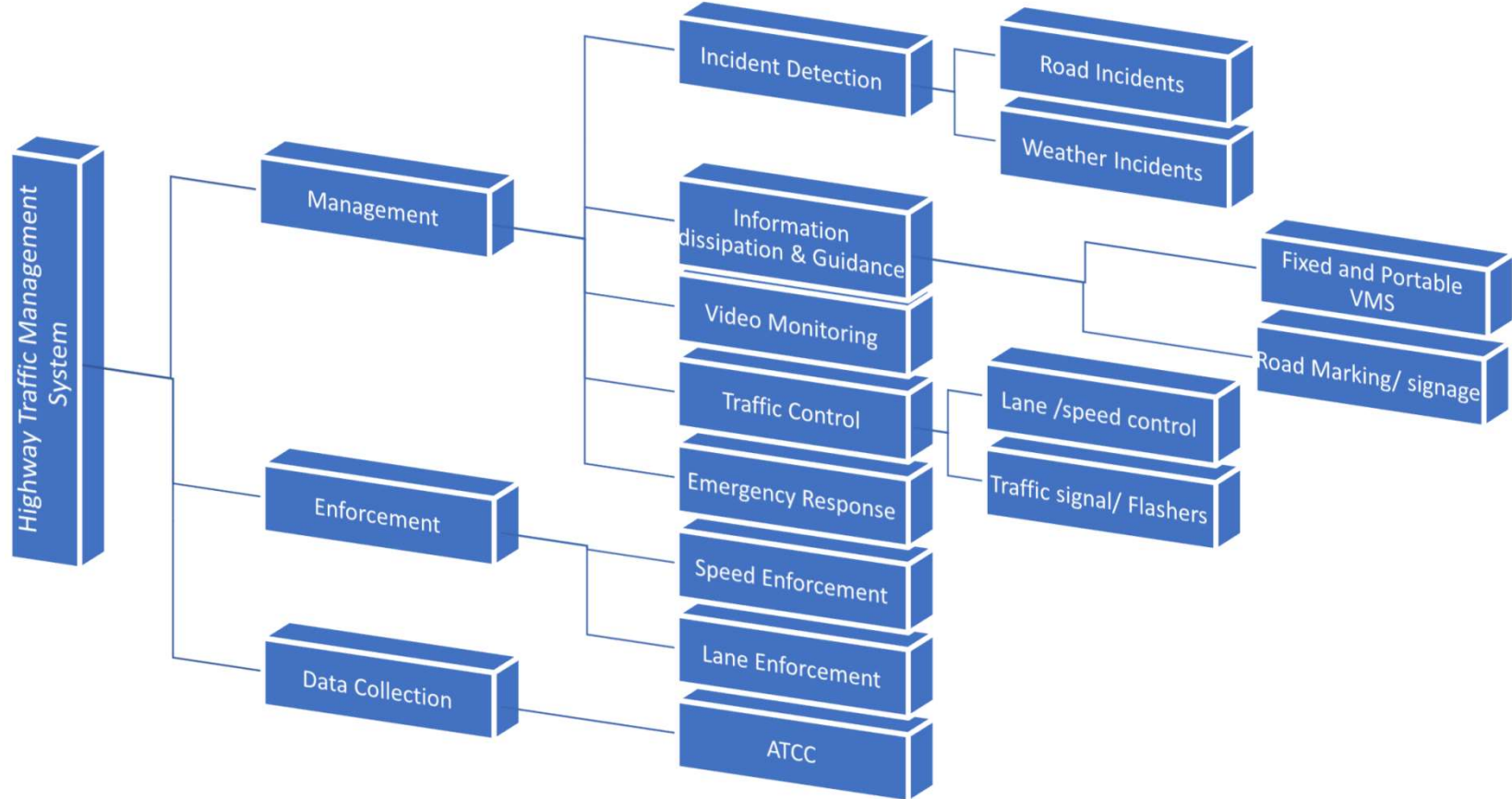
Road discipline .

Motorist guidance.

Emergency response .



Building Blocks For Highway Traffic Management System



Interfaces and Visualization Platform



Recommendation of Technology Gaps



Variable Messaging Display

- 3-G Optics Technology.
- Aluminum enclosure.
- Low power consumption for longer life.
- Suitable for Solar Technology.

Speed Enforcement

- Use of Lidar Technology
- 3D mapping using LIDAR
- Used for Long Range,
- Single radar for both Side of Road.
- Greater resolution

Traffic Monitoring Camera

- Self Learning.
- Unusual motion & Activity
- Access control
- Focus of attention

Central System

- Software Strategy Manager Module.
- Integrations with other subsystem.



Current Implementation Issues

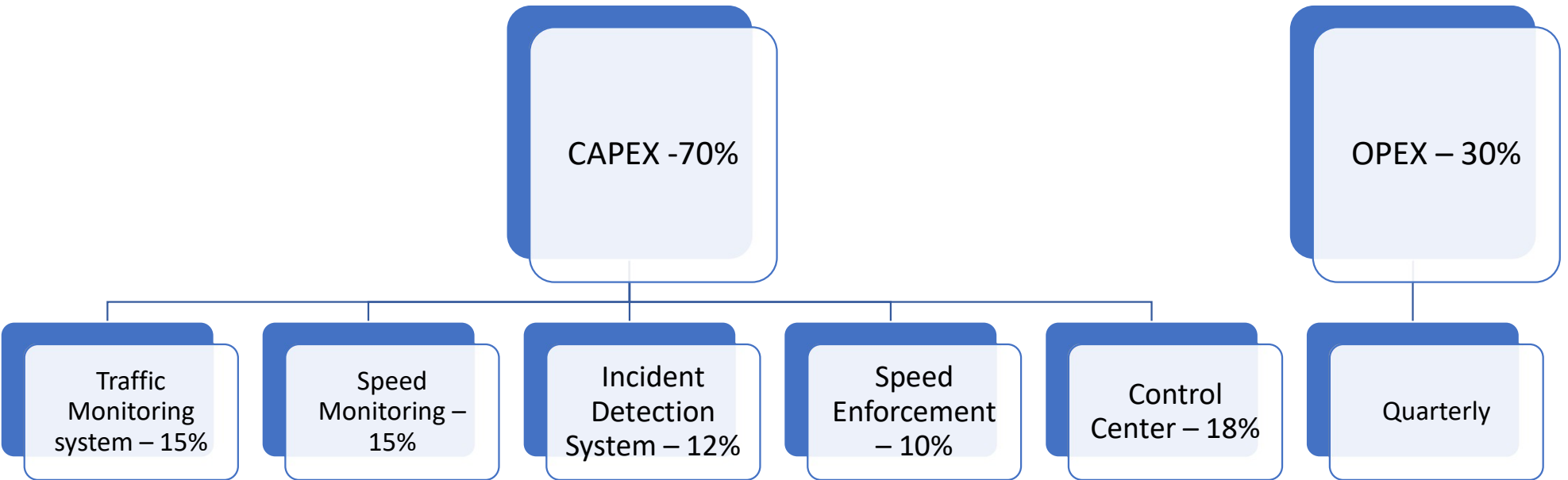
- Concessionaire/ Road contractor (C/RC) looks at this as the least/ lowest priority.
- The only motivation for the concessionaire to implement ATMS is to begin tolling and collect money.
- C/RC considers ATMS as an expense and not as a valuable life saving and mobility asset.
- Low price systems are given priority.
- All the big players in the world are not able to enter the Indian Market due to the Price Block and lack of technological awareness.
- Most of the consultants doesn't have ITS expertise.
- Minimum time with minimum quality becomes the order of the day.
- There is no long-term commitment of the OEM/SI as the rule is “ Put it and leave it”.
- Lack of audit and regulatory mechanisms .
- Morth Guidelines on System/solution specifications and functional requirements need to be updated to attract the best technologies in the world



Deferred Payment Model

- Skin in the game for both the Government and the Solution provider as it makes it a long term engagement for both.
- It creates a direct relationship and accountability between the Technology company and the governments.
- Allows Audit procedures to automatically set in using Experts from the industry.
- System performs over a period of 10 year with proper upkeep.
- Deferred payment can be 70% of capex paid against delivery of the system and the balance in equal installments across the PPP period.
- Deferred payment model will cover the O&M costs including Software/ Technology upgrades.
- Government should safeguard the financial commitment to the Technology company through long term payment guarantees unaffected by Political changes.

Financial Model Component wise



**We Do Not Inherit the Earth from Our Ancestors; We Borrow It
from Our Children ...**



Thank You!

Highway Video

