

Revolutionizing Road Infra with Modern Equipment, Technologies, Sustainable Materials and Policy Guidelines

February 29th - March 1st, 2024, Manekshaw Centre, New Delhi

Data Systems for Road Asset Management *Tony Mathew, Transport Research Laboratory (TRL)*



**International Road Federation
India Chapter**

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Assets of MoRTH/ NHAH

- * Approx. 1,46,000 km of road network
- * 1,50,000 bridges
- * Other structures – drains, culverts, retaining structures, etc.
- * Other assets – Crash barriers, Street lighting, traffic signs, etc.

25 Lakh Crore
INR)-- Approx
Asset Value of
National
Highways

If NHAH is a private company, it's asset value will come within the first 10 of the Fortune 500 companies in the World

**Data-led Asset
Management
is key**

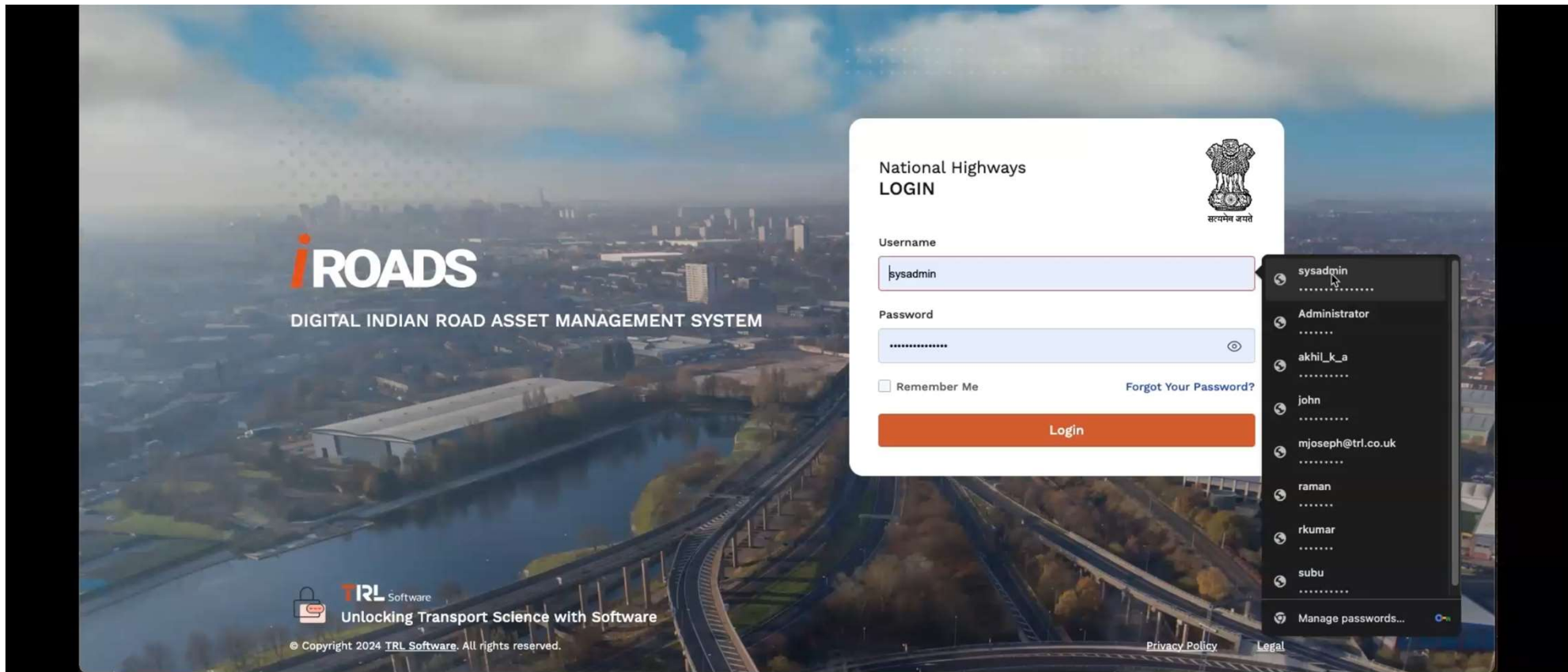
Approx. 60% of
value



iROADS - Digital Road Asset Management Platform



Cloud-native, globally available, Software-as-Service solution (SaaS)



iROADS - The functional view



Total Asset Management: One digital platform for strategy & planning, tactical execution and operations management

Functional Areas

Enterprise Asset Management & RMMS

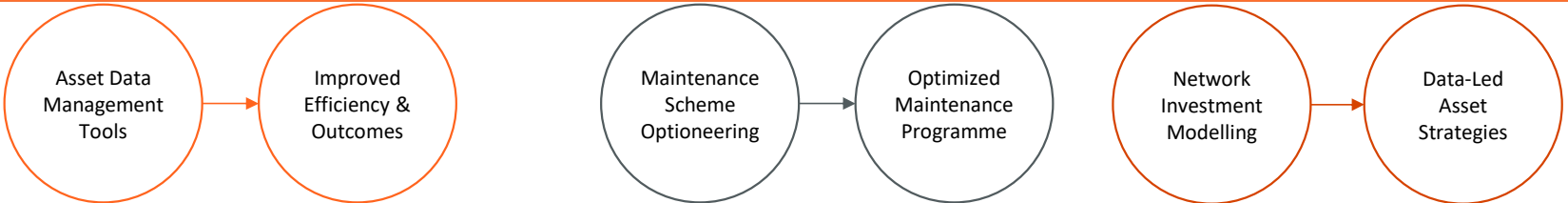
Asset Performance Management

Asset Investment Planning

The Benefits



Value Proposition



Decision Types

Operational Decisions

Tactical Decisions

Strategic Decisions

Activities

Maintenance activities management: inspections, surveys, planning & scheduling, managing works

Pavement scheme optioneering, maintenance programme planning

Investment scenario planning, multi-year analyses, network KPIs



Thank You

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