PLENARY SESSION · PM GATI SHAKTI

HITACHI

One Nation, One Journey



Digital Rail at the Heart of Multimodal India

Pankaj Bhatia
Managing Director , Hitachi Rail GTS India

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Hitachi in Figures

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Global presence with footprint in **100+ countries**

618
Group Companies

USD
$ 63.94B

JPY
¥ 9,783.3B
Global Revenue

61%
Overseas Revenue

283k
Employees

107k
Digital experts Worldwide

16
R&D Sites

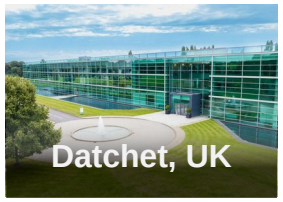


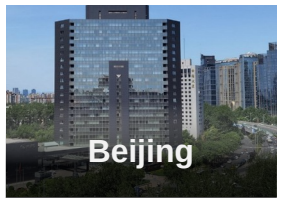
12th largest tech company in the world *[1]

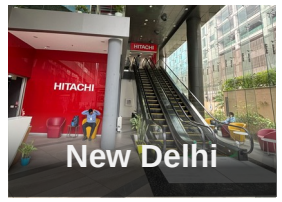
2025 World's Most Ethical Companies® *[2]

"Clarivate Top 100 Global Innovator" (2012-2025)













*1: by revenue, Fortune Global 500. Based on exchange rate 153 JPY to USD, *2: * "World's Most Ethical Companies" and "Ethisphere" names and marks are registered trademarks of Ethisphere LLC.

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Hitachi Rail: Global presence with footprint in 50+ countries

HITACHI

Our New Business in Numbers

>50
Country coverage

≈24k
Employees worldwide

≈12k
Engineers & technical experts

>300
Worldwide customers

>16k
Train cars moving people around the globe

>100
Offices and laboratories

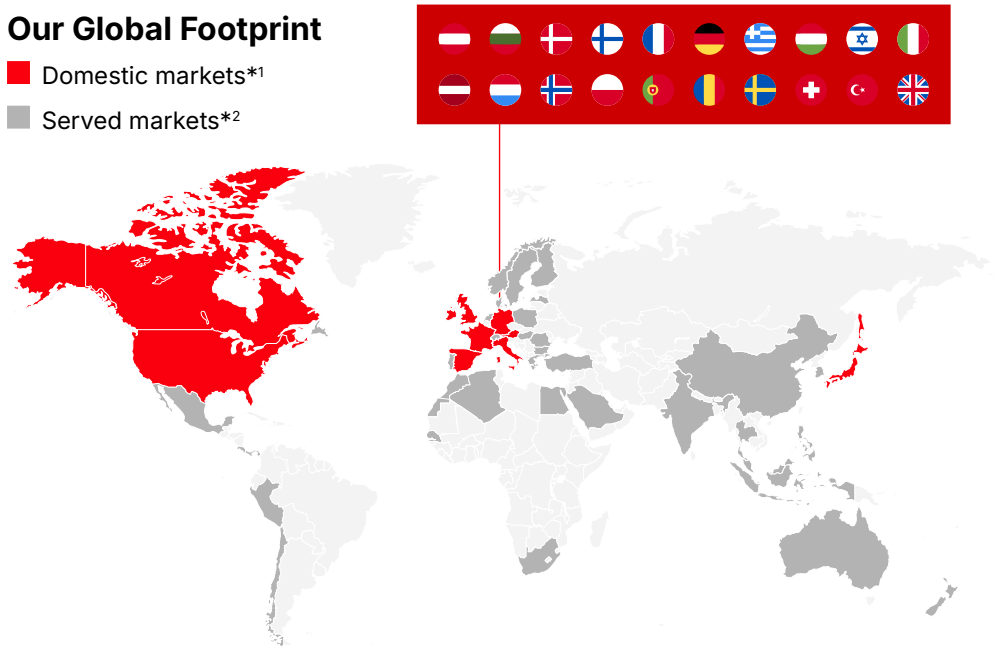
>60
Service & Maintenance locations

>26k km
Mainline signaling installed base

>4k km
Urban signaling installed base

10
Manufacturing sites

25
R&D centers











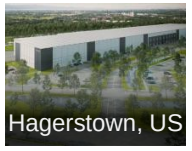












*1 Markets where Hitachi Rail has either a manufacturing facility and/or a main office *2 Countries mainly served with project offices

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HITACHI

PM GATISHAKTI × VIKSIT BHARAT 2047

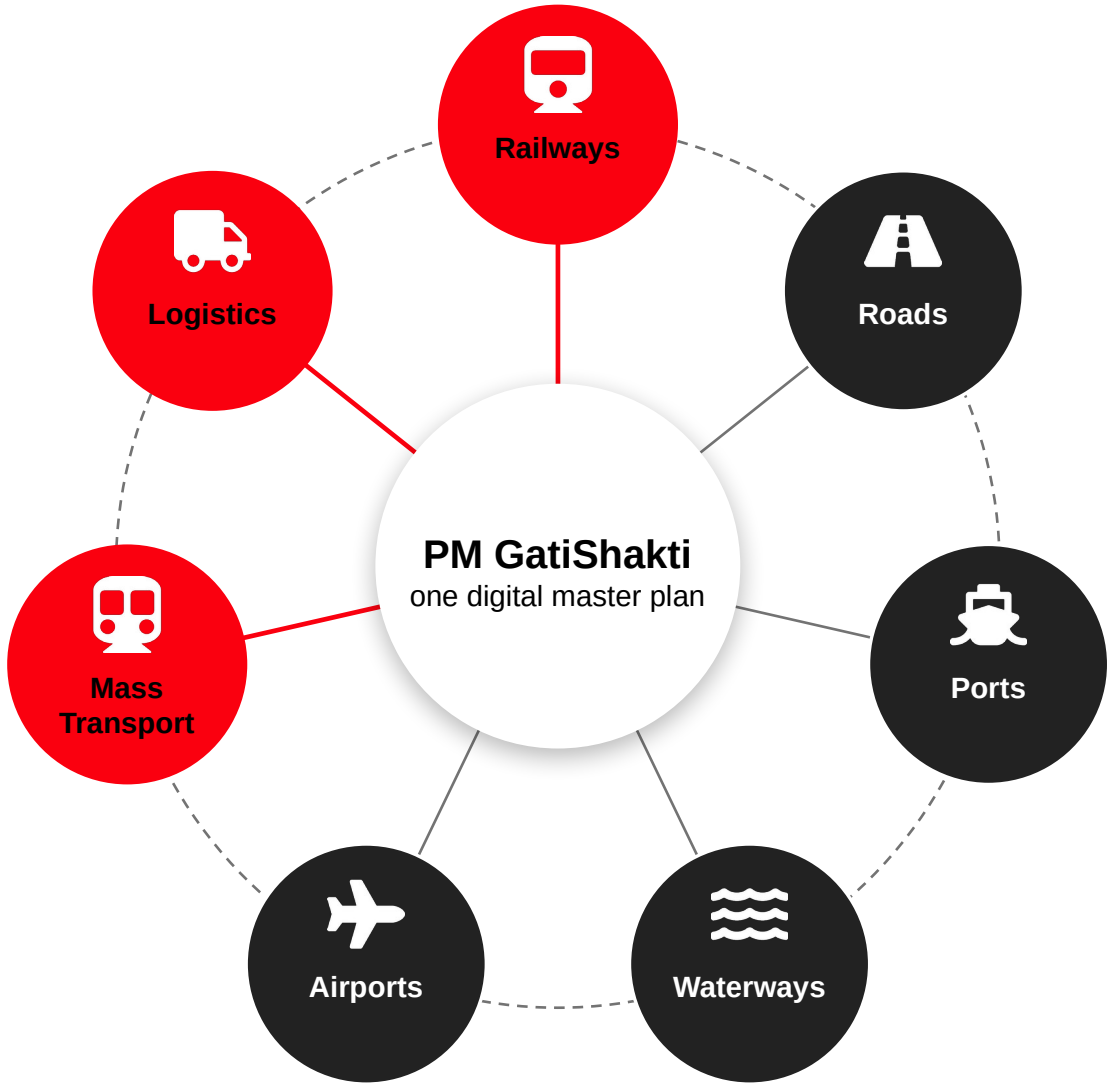
Seven engines. One master plan

India is integrating its infrastructure. The next step is to integrate the journey.

2021
National Master Plan launched, 13 October

7
Engines pulling the economy in unison

2047
Viksit Bharat



● Where digital rail connects the engines

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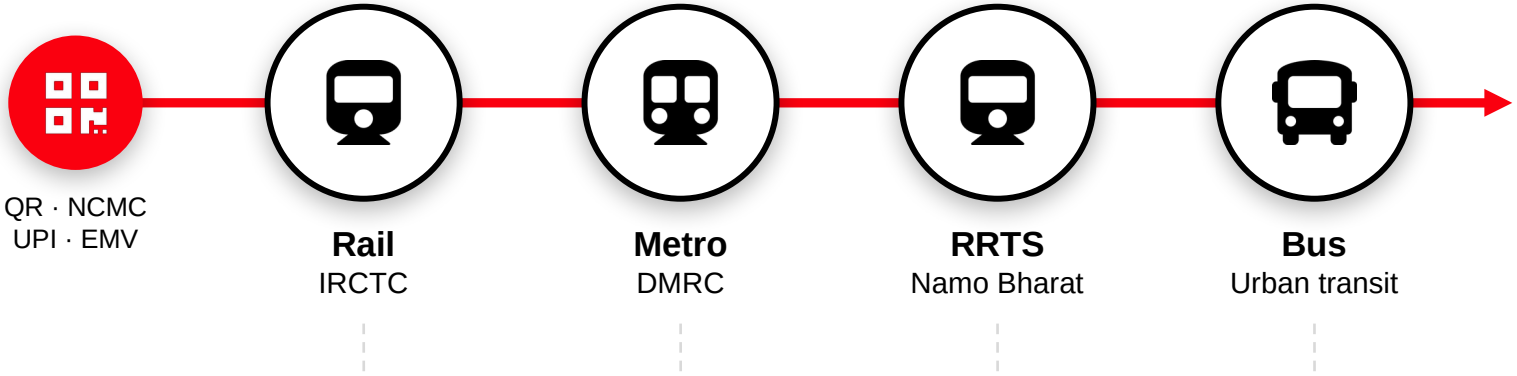


Automatic Fare Collection Gate, Delhi Metro

One credential. Every mode

HITACHI

One QR or card carries the passenger across rail, metro, RRTS and bus.



AFC CENTRAL SYSTEM · one credential, one clearing and settlement layer

LIVE, DEPLOYED BY HITACHI RAIL

IRCTC ↔ DMRC

Book a train on IRCTC, ride the Delhi Metro on the same QR

LIVE, DEPLOYED BY HITACHI RAIL

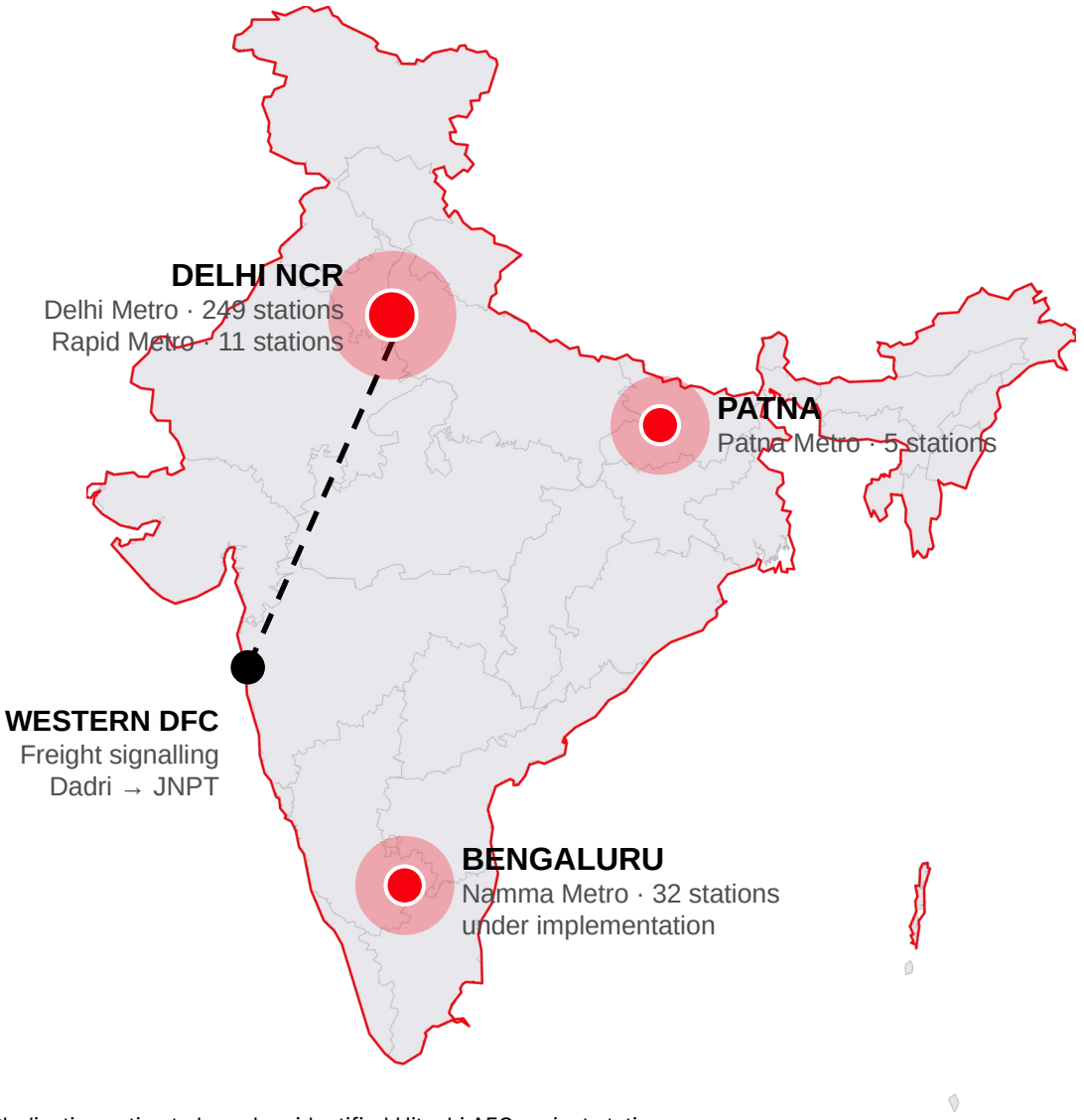
NCRTC ↔ DMRC

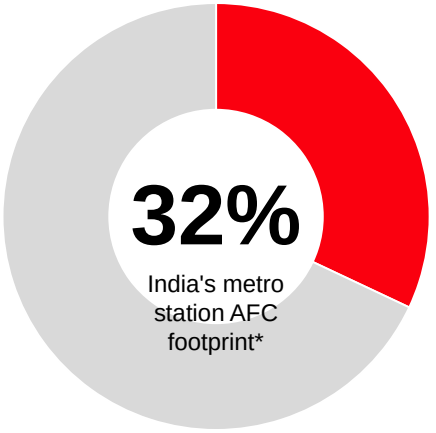
One interoperable QR across Namo Bharat (RRTS) and Delhi Metro

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Proven at national scale

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- **Delhi Metro (DMRC)**
  269 stations
- **Rapid Metro Gurgaon**
  11 stations
- **Patna Metro**
  5 stations
- **Namma Metro, Bengaluru**
  32 stations · under implementation

DELHI METRO · INDIA'S LARGEST BROWNFIELD AFC TRANSFORMATION

~4–5M	100M+	~99.9%	7,000+
Daily passenger journeys*	Monthly trips*	AFC system availability*	AFC equipment upgraded*

HITACHI RAIL, GLOBALLY

>50	25	>26k km
countries of presence	countries with Hitachi Rail ticketing	mainline signalling installed base

*Indicative estimate based on identified Hitachi AFC project stations

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HANDS-FREE TICKETING · TWO-STAGE SENSING

PATENT FILED

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BlueGate — How It Works

One walk-through — no QR, no card, no camera. The phone stays in the pocket: no app, no tap, no scan.

1 Passenger Approaches
Proximity with smartphone or contactless card awakens the gate.

2 BLE Detects
Bluetooth Low Energy (BLE) detects the smartphone.

3 Magnetic Sensing / Positioning
The gate senses and precisely positions the passenger.

4 Gate Opens
The flap opens clean, automatically as the passenger approaches.

5 Passenger Walks Through
The passenger continues through with no need to stop, tap or scan.



Magnetometer Sensing

The phone's magnetometer acts as the sensor, eliminating the need for QR, card, or camera.

On-Demand Activation

BLE triggers the magnetic stage on demand, enabling faster gate opening and cooler coil operation.

AI-Positioned Localization

A novel AC magnetic field enables short-range localization and data transfer, supported by physics-informed AI models.

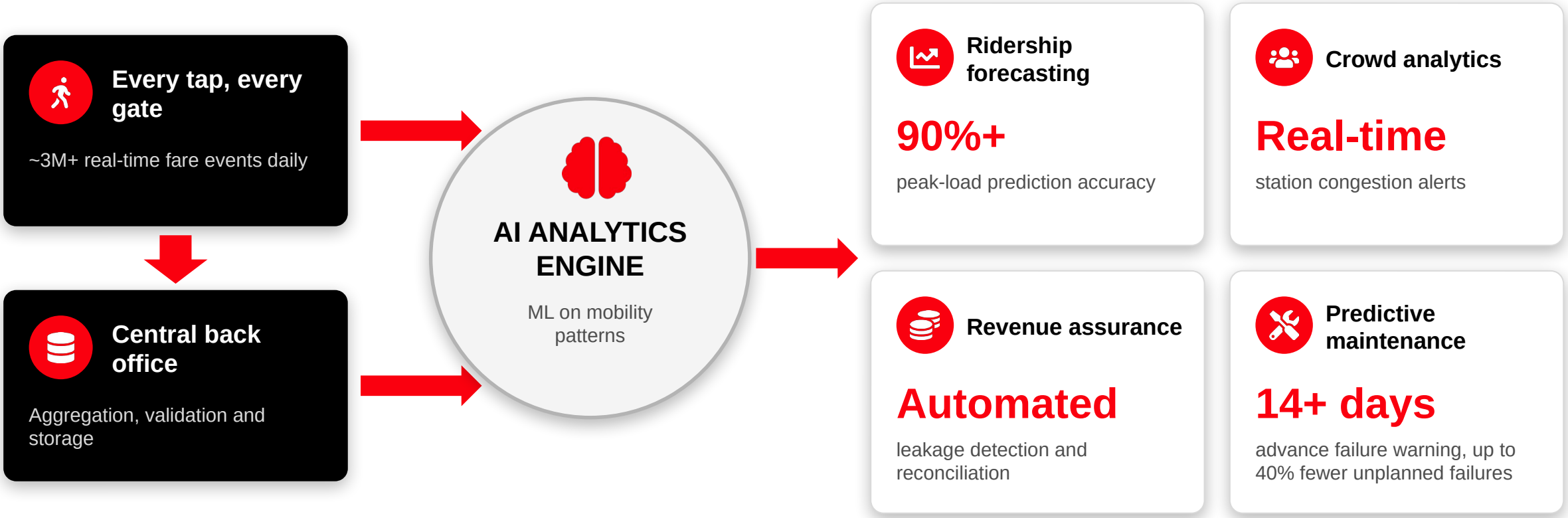
APPROACH › DETECTION › POSITIONING › AUTHENTICATION › WALK-THROUGH

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Every tap makes the network smarter

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From fare transaction to operational intelligence



Dynamic, data-driven planning: the same principle behind PM GatiShakti's digital master plan

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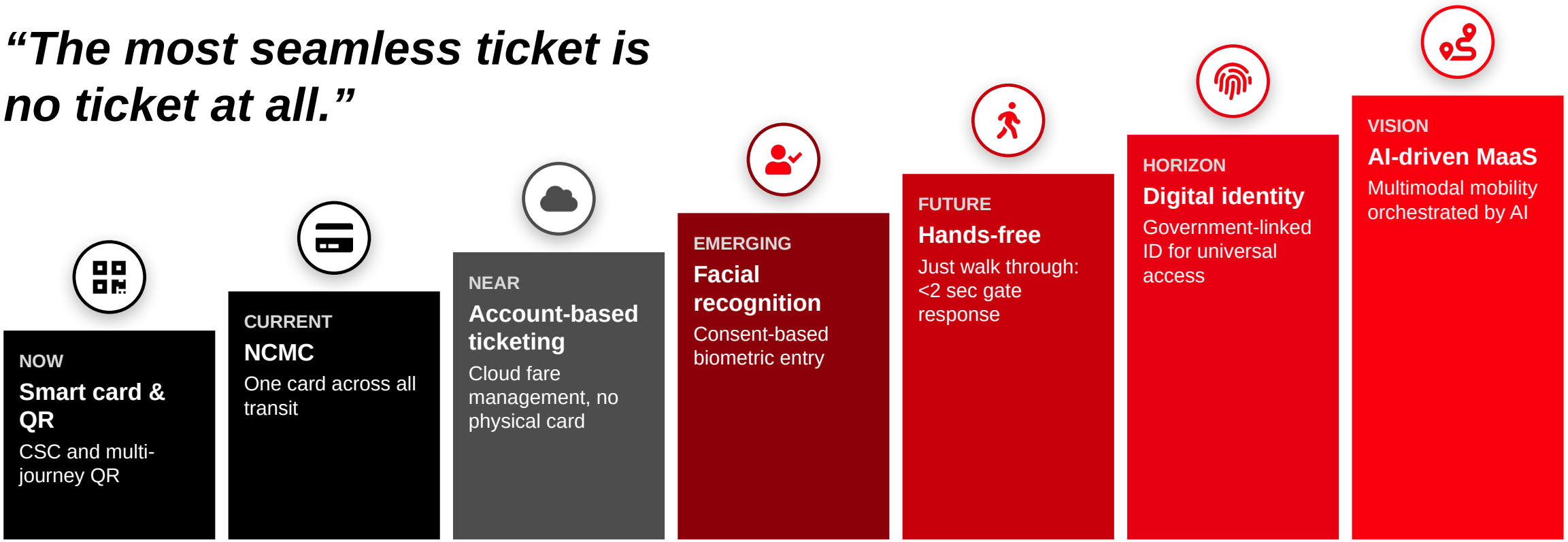
From smart card to no ticket at all

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The roadmap for fare media and passenger identity on the road to 2047

VIKSIT BHARAT 2047

"The most seamless ticket is no ticket at all."



BUILT ON RESPONSIBLE AI

Consent-based | **Privacy by design** | **Transparent AI** | **Human oversight**

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One Nation.
One Journey.

Hitachi Rail GTS India: enabling a seamless, multimodal Viksit Bharat 2047

Integrate

One credential and one settlement layer for every mode, and signalling for freight corridors

Intelligence

Data and AI that turn every tap into planning insight

Inclusion

Wide gates, consent-based biometrics and privacy by design: mobility for everyone

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THANK YOU

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