

Smarter Factories in Industry 4.0

Digitalization & Analytics for Intelligent Supply Chain

A discussion with

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• **Dipankar Ghosh**, CEO, Escorts Railways Division

• **Amit Gossain**, CEO, Kone Corporation

• **Rajesh Jain**, MD, LPS Bossard

• **Venkatram Mamillapalle**, CEO and MD,
Renault India

• **Moderator: Jayesh Pandey**, Partner, PwC





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COLLABORATE TO CREAT
SUSTAINABLE GROWTH
IN MANUFACTURED

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REIMAGINE BUSINESS
REIMAGINE THE WORLD

The 4th Industrial revolution is transforming every aspect of manufacturing



Product R&D



Resource Planning & Sourcing



Operations Technology Monitoring & Machine Data



Labor Augmentation & Management



Machining, Production & Assembly



Quality Assurance (QA)



Warehousing



Transport & Supply Chain Management

The Factory of the Future will have



On-demand production



Digitised supply chains to avoid excess stock, responding to actual production needs



Improved data use



Predictive analytics for machinery maintenance to avoid production holdups



Machine learning



Mixed reality



Using IoT to improve communication within factories



Use of real-time metrics

Benefits of Smart Factory Logistics



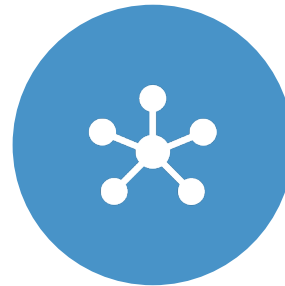
Increases supply chain predictability and efficiency



Process simplification



Increases agility across the supply chain



Connected services creates opportunity

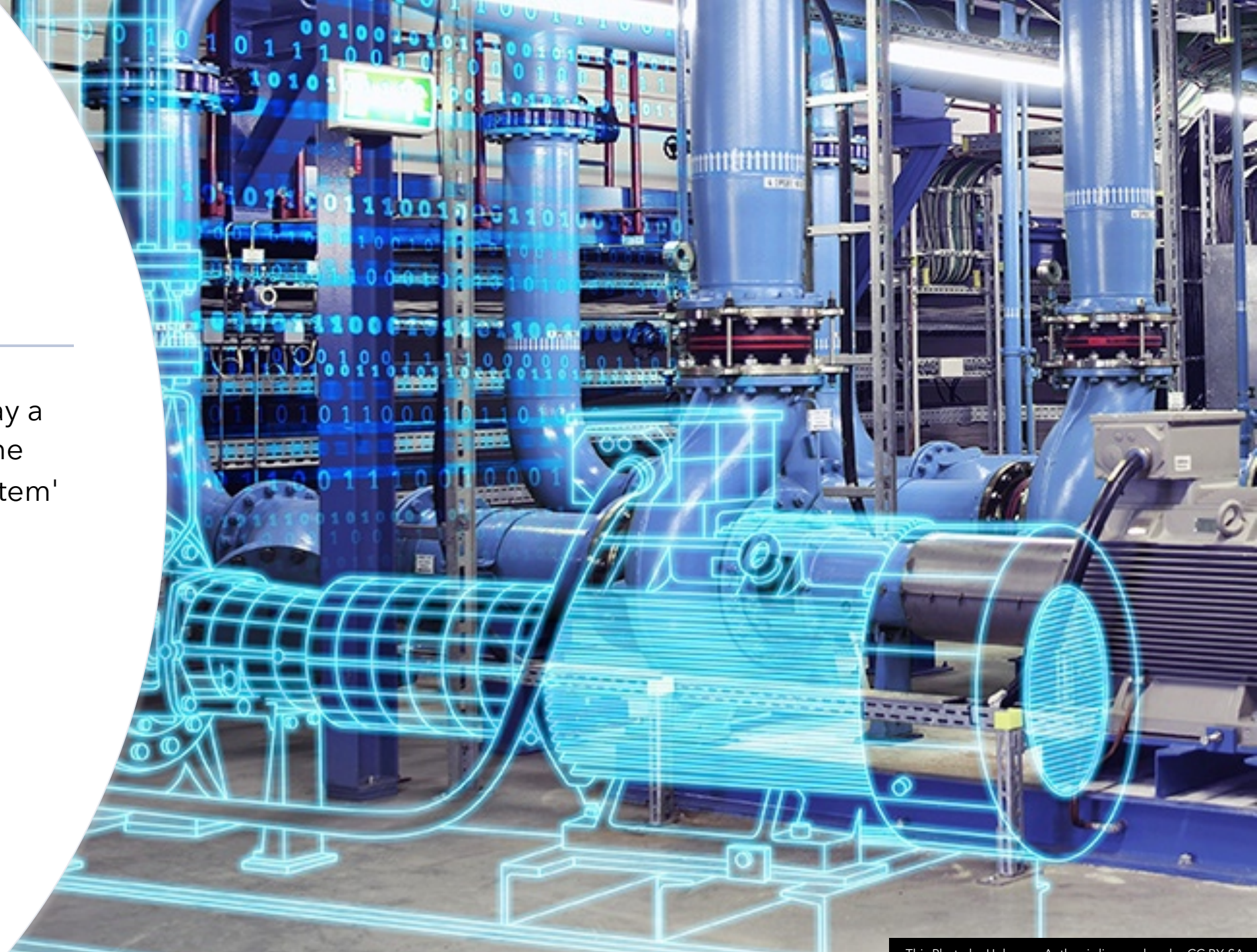
Use Cases of Smart Factory Logistics

- Inventory and Supply Chain Management
 - Demand Tracking
 - Order and Replenishment systems
 - Consolidation and Delivery
- Smart Warehouses and Factories
 - Infrastructure Management
 - Device Control
 - Energy Management



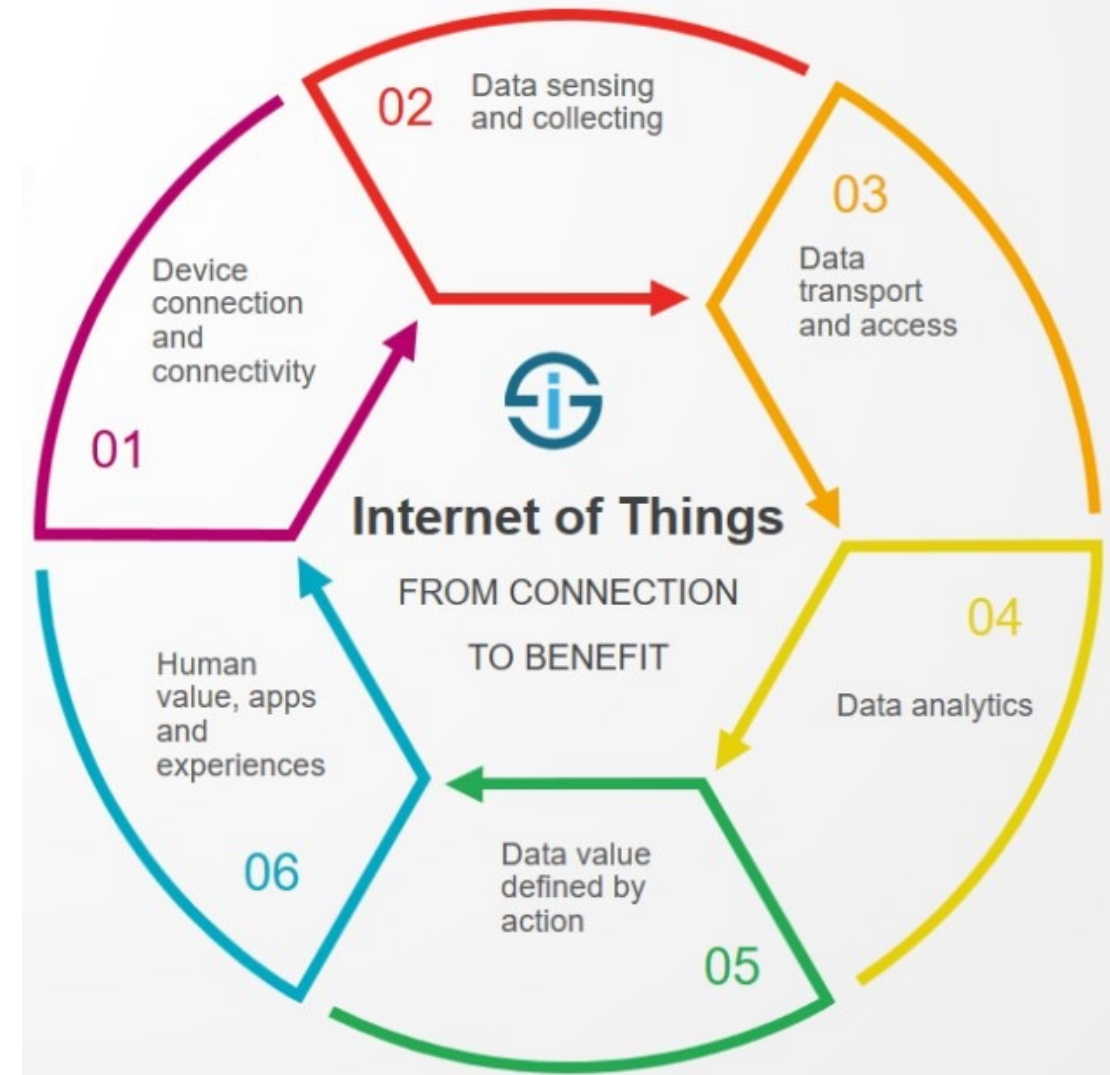
Digital Twins

- 'Digital twin is going to play a big role in moving forward the whole manufacturing ecosystem'



IOT and the Cloud

- “Whether it is a process system or an equipment or an asset, they talk to each other”
- Machine vision, Energy and connectivity management, visualisation and dashboards



Autonomous and Connected



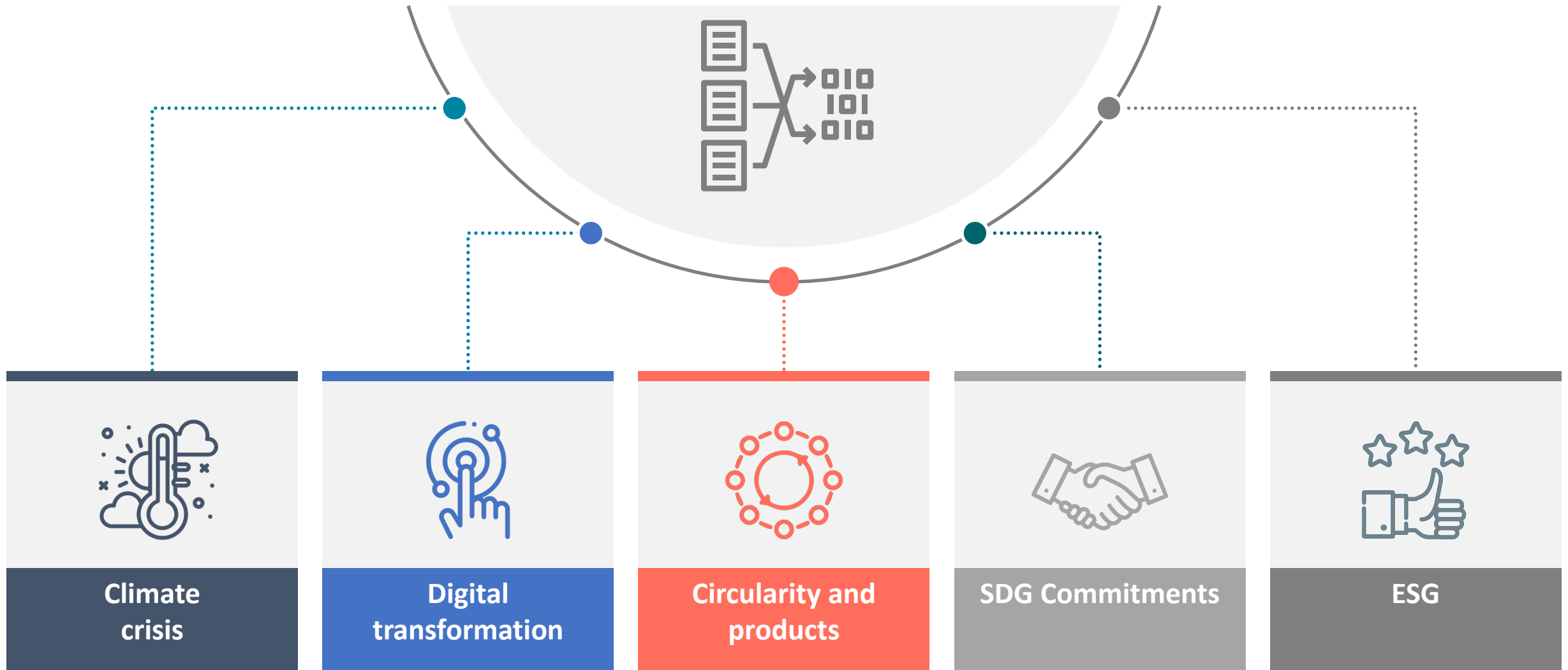
Integrate into one system, analyse
and give feedback



Smart Bins, Smart Labels,
Autonomous Guided Vehicles,
Robotics and More



The Imperatives for Reimagining Business





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