



Smarter Factories in Industry 4.0



Digitalization & Analytics for Intelligent Supply Chain

A discussion with

•—————•
Motilal Dugar, Minister of Industries and Commerce

•—————•
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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GBS Global Business Summit

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COLLABORATE TO COMPETE
SUSTAINABLE GROWTH
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



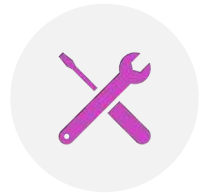
On-demand production



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



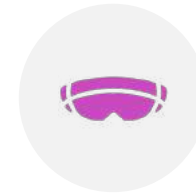
Improved data use



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



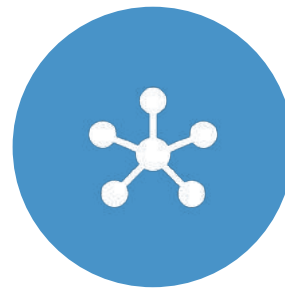
Increases supply chain predictability and efficiency



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



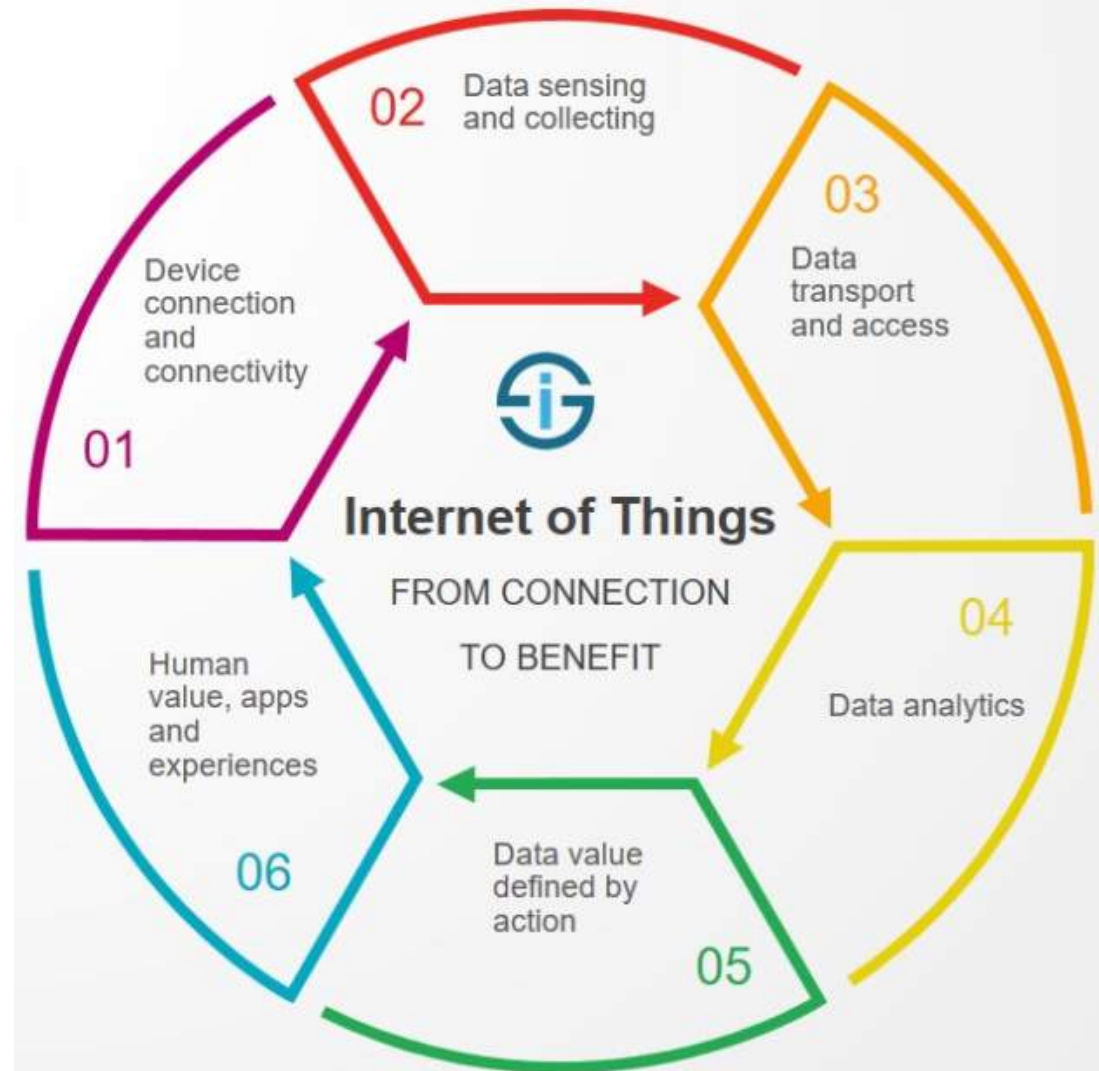
Digital Twins

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



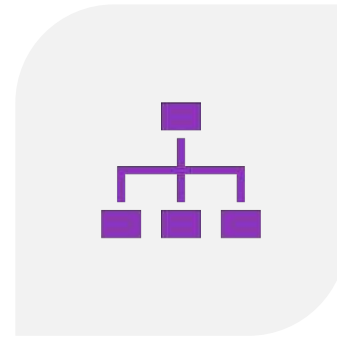
IOT and the Cloud

- “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

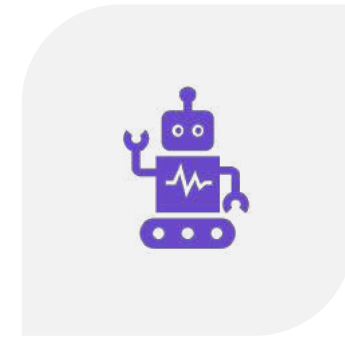




Autonomous and Connected

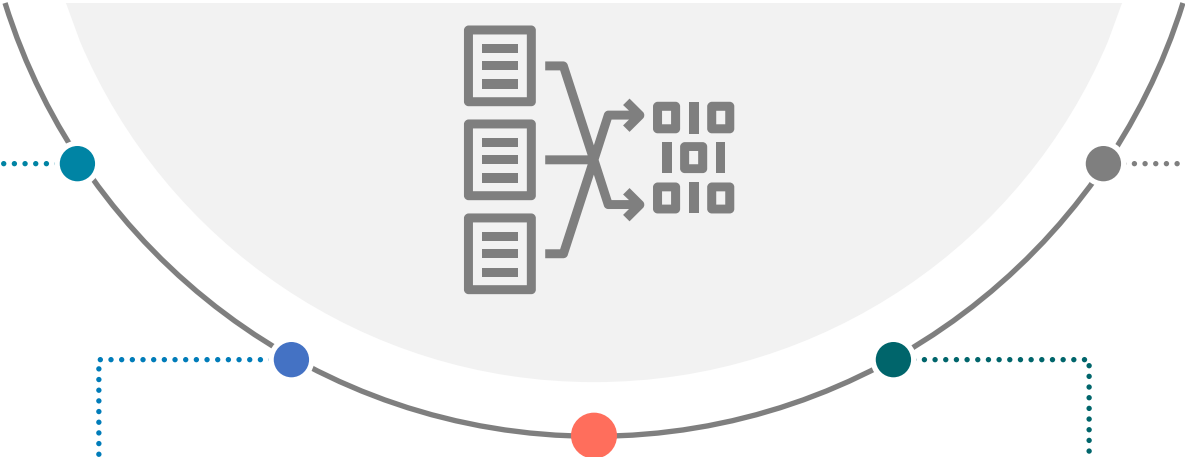


Integrate into one system, analyse and give feedback




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

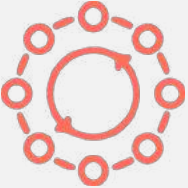
The Imperatives for Reimagining Business




Climate crisis




Digital transformation



Circularity and products



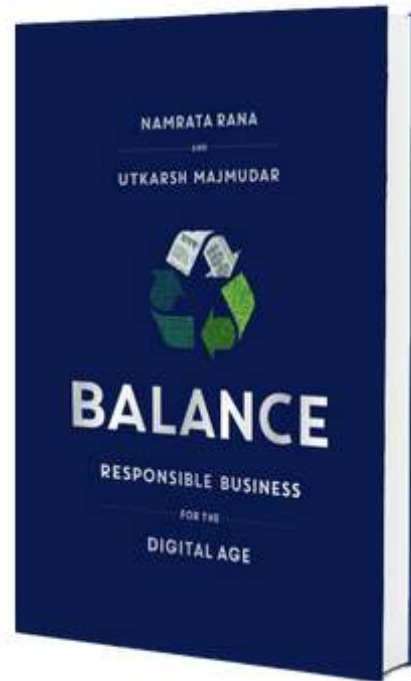
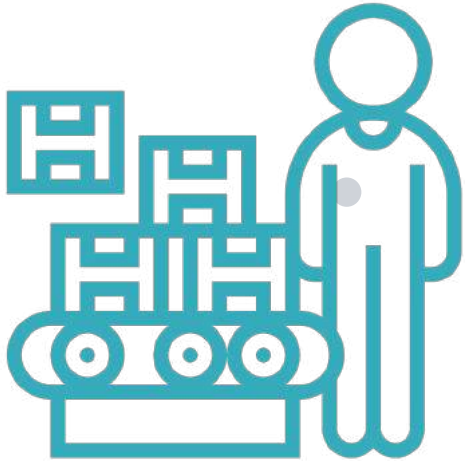
SDG Commitments



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