

Delivering Value With Social Innovation Today

Hitachi Social Innovation Forum
Sydney

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Hitachi Data Systems

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The World Is Changing

..... and so is Australia

HITACHI
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Natural
Resources



Demographic
Shifts



Mass
Urbanisation



Social
Infrastructure

The Next Revolution Has Started

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Industrial



Electrical

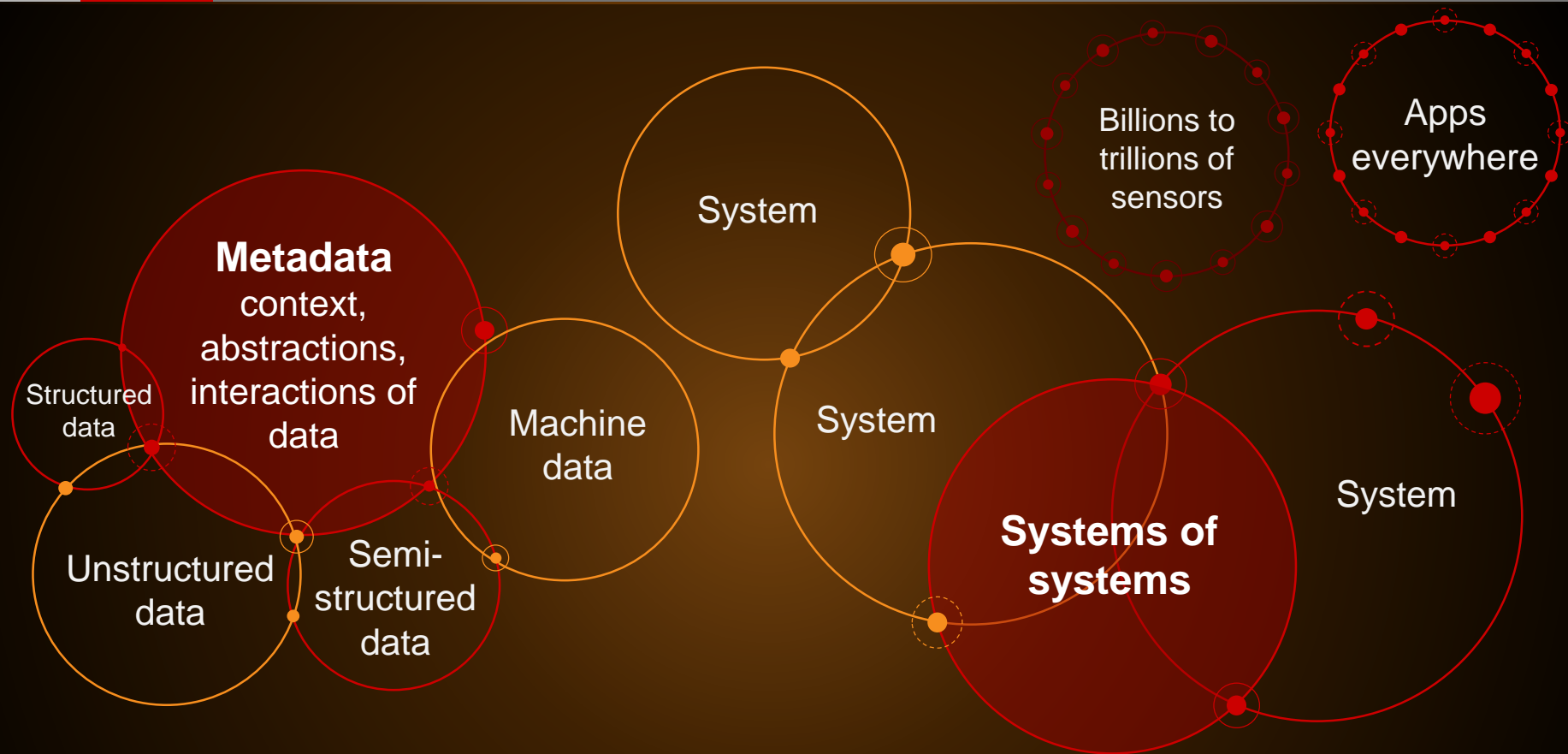


Digital

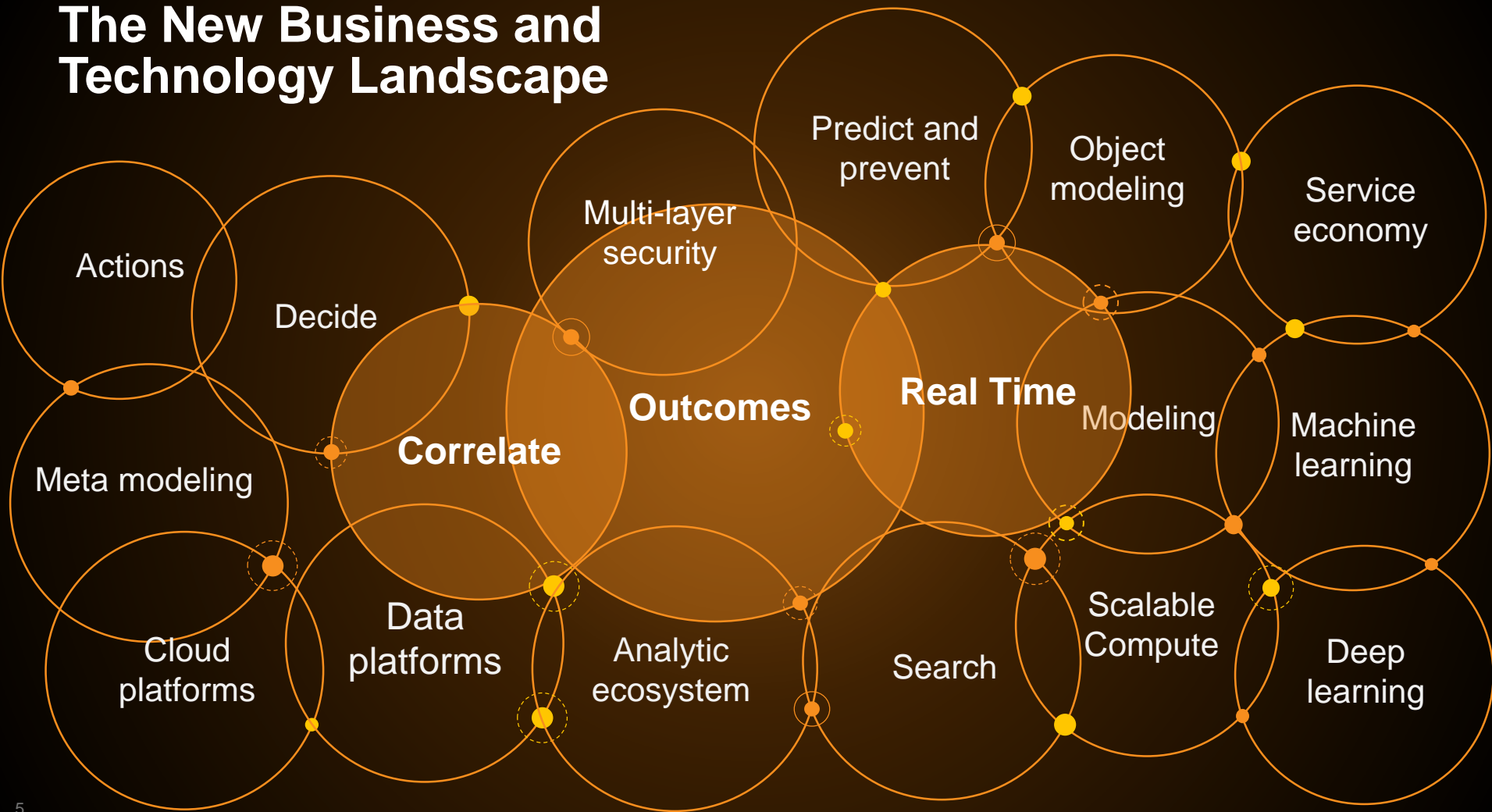


Internet of Things

The New IoT Ecosystem



The New Business and Technology Landscape



Smart City



Industrial IoT



Smart Energy



Smart Business



Digital Business Solutions

How To
Get Here?

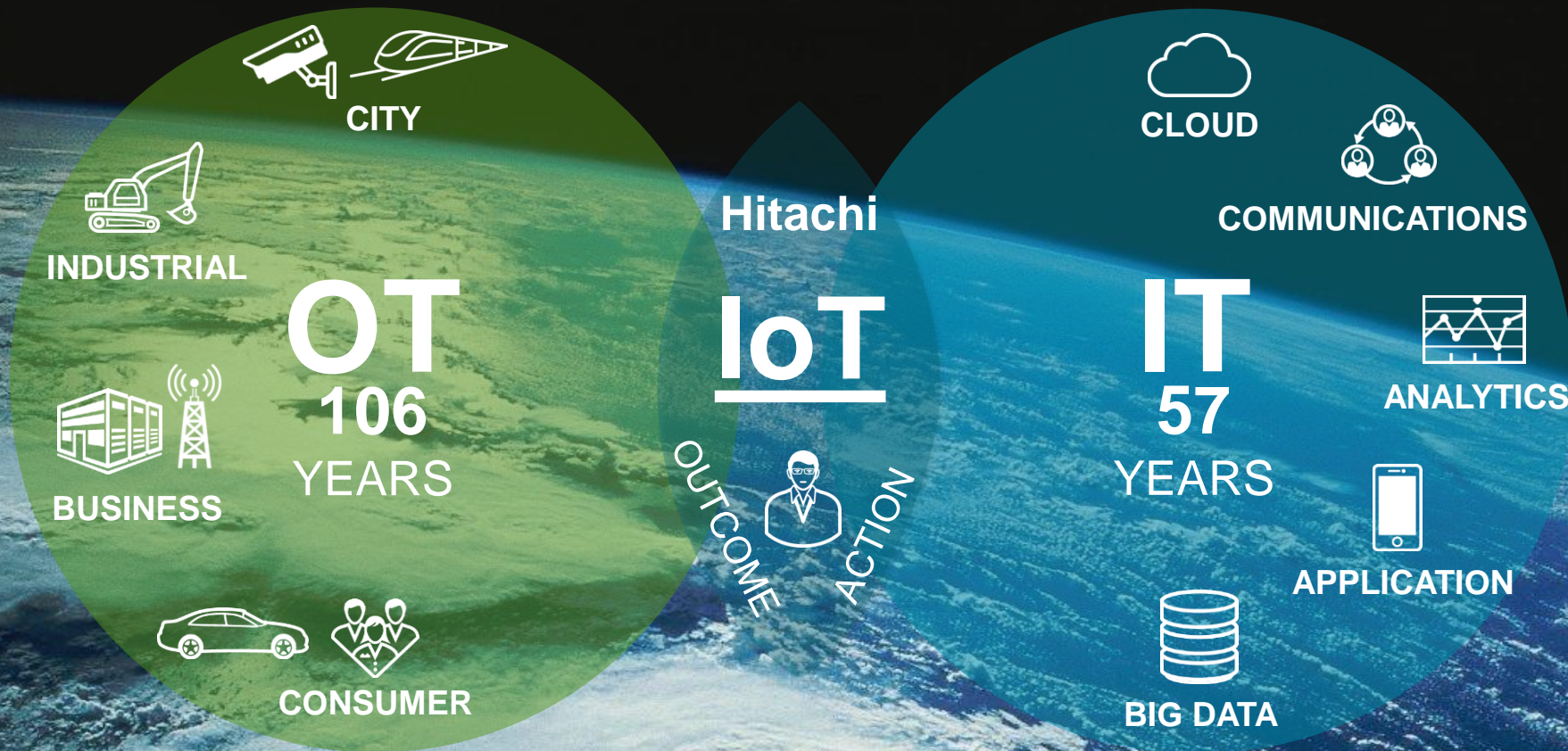


IoT Infrastructure



Expertise and Scale ... IOT with Hitachi

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A Common IOT Platform

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INDUSTRIAL IoT

SMART CITY

SMART BUSINESS

SMART ENERGY

Digital Business Solutions and Services



Value

Solution Cores

Insight

Artificial Intelligence

Lumada

Advanced Analytics

Platform Services



Co-Creation with Customers and Partners

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500+ Researchers

Big Data Labs

2000+ Researchers

Centre for Technology Innovation

100+ Researchers

Centre for Exploratory Research



NEXPERIENCE Space



Video Collaboration Room



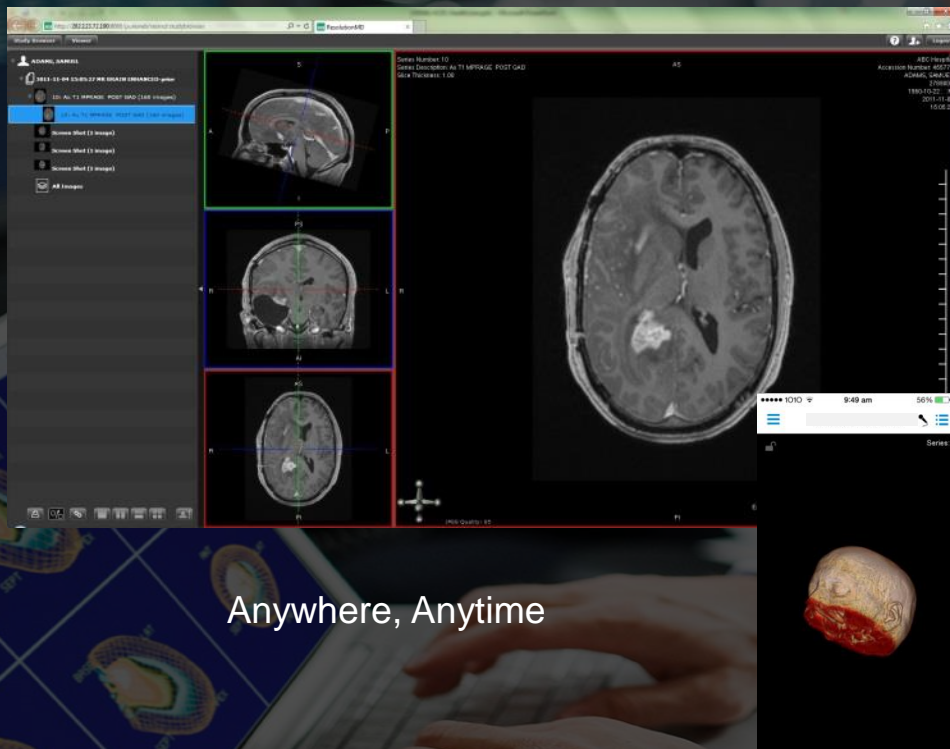
Simulation room



Demonstration area

CONNECTED HEALTH: Visualisation

Visiting Medical Offices : On Demand - Access to Images



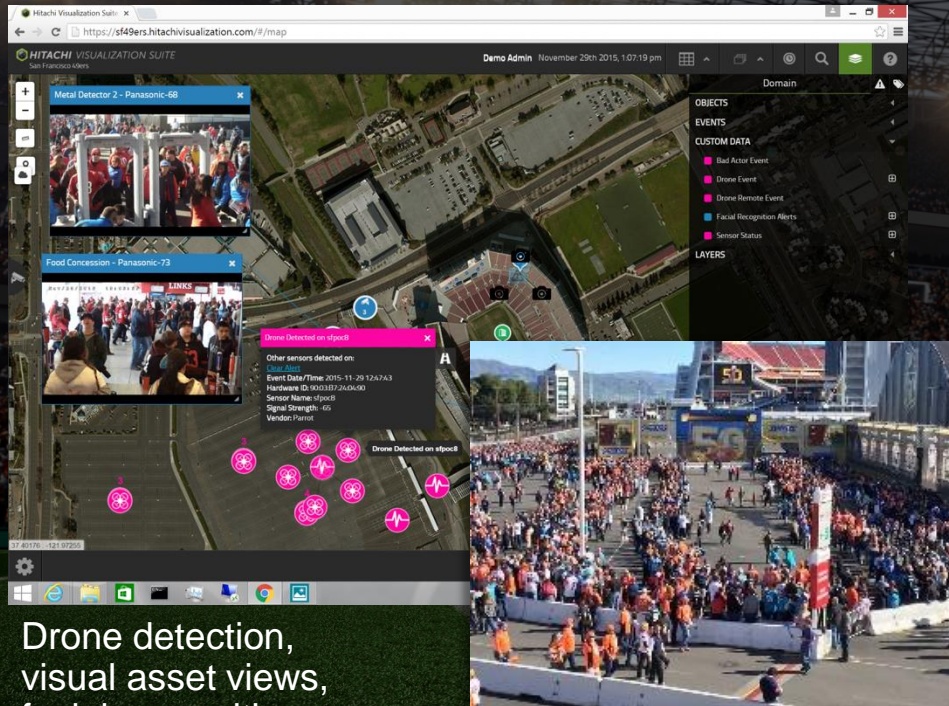
TRANSFORMATION

- Mobility – Anywhere, Anytime
- Real Time Collaboration
- Rural Access to Specialists

- Workflow consultation
- Visualization application
- Archiving Solution
- Private Cloud
- Application training

PUBLIC SAFETY: Situational Awareness

Keeping millions of fans, visitors and city safe



Drone detection,
visual asset views,
facial recognition

TRANSFORMATION

- No major incidents
- Thousands of attendees enjoy the event
- Millions of fans, visitors and city residents kept safe

- Hitachi Visualisation
- Video Aggregation
- Cameras & Analytics

ENERGY: Active Power Pole Management

Making communities safer and reducing costs for utility companies

TRANSFORMATION

- Smart power with power pole management
- Real Time Alerts for power pole irregularities: tilting, smoke, arcing and temperature alerts
- Monitoring reduces incidence of poles falling and/or starting fires

- Hitachi Visualisation
- Analytics
- Core Infrastructure

Toggle between power poles and zoom in to browse single poles

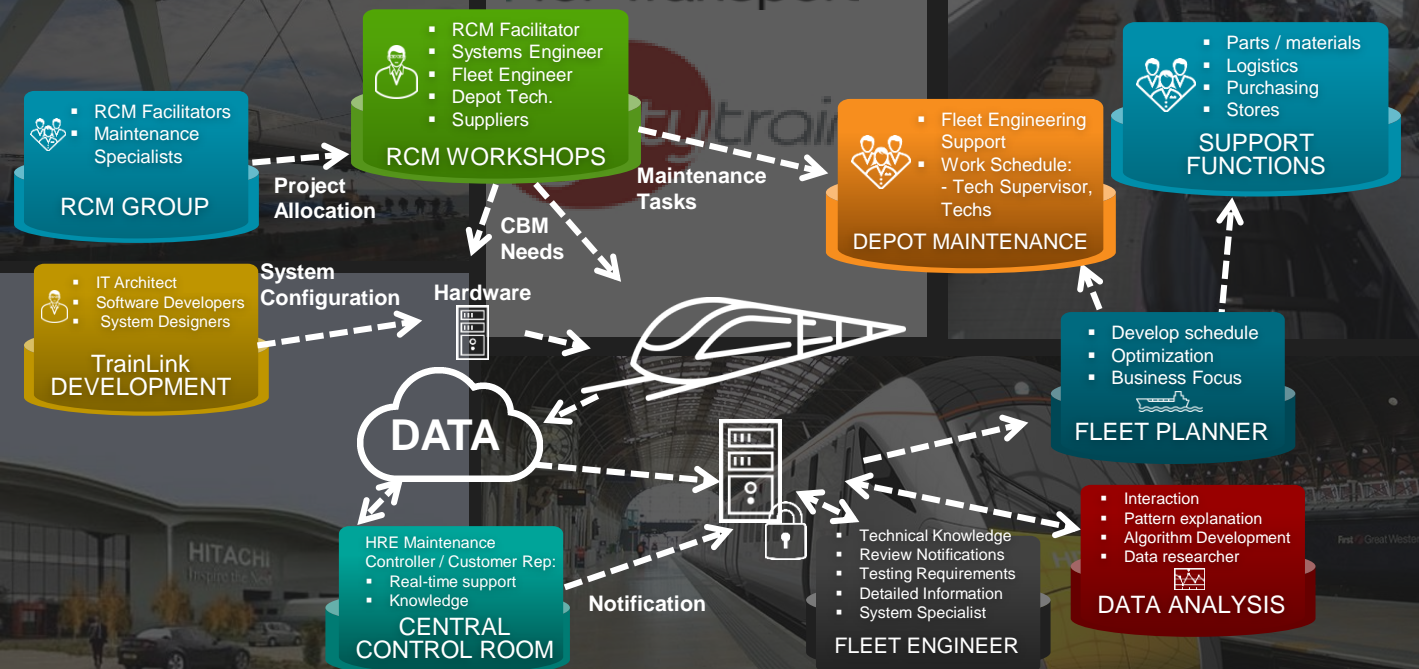
Manage notifications via multiple views

MOBILITY: Rail-as-a Service in UK

A Prime Example of IoT Solution

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Making trains smarter with OT + IT for preventative maintenance. Targeting 100% uptime using IoT sensor, video monitoring and real time analytics.



WORKING
TOGETHER
Hitachi Ltd.

Hitachi Rail

Hitachi Consulting

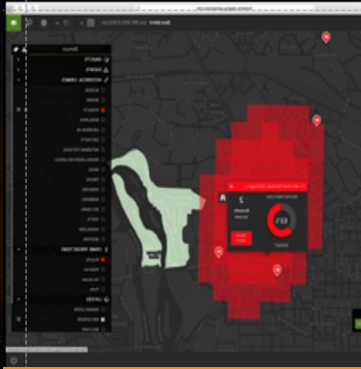
Hitachi Data Systems

Pentaho

Case Study Showcase

Social Innovation & IoT Solutions

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PUBLIC SAFETY

- Situational Awareness
- Predictive Crime Analytics
- Campus Safety



HEALTHCARE

- Informatics – Screening
- Proton Beam Therapy
- Visualisation



MOBILITY

- Transport-as-a Service
- Predictive Maintenance
- Signaling



AGRICULTURE

- Autonomous Farming
- Food Safety
- Precision Farming



MINING

- Smart Mining
- Mine Analytics
- Energy Reduction
- Autonomous Mining

Why Hitachi

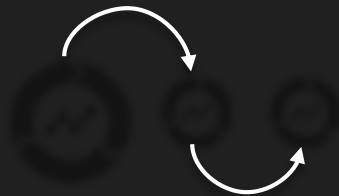
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Internet of Things



We build the things that
generate big data

Big Data Analytics



We build the IT
hardware and software
that capture, manage,
and analyze big data

Industry Expertise



We have the deep
domain expertise and
technology that turns
big data into big value

Few Companies can do this at Scale

An aerial photograph of a vast city, likely Tokyo, showing a dense urban landscape with numerous skyscrapers and residential buildings. The sky is a clear, vibrant blue with scattered white clouds. The text is overlaid on the upper half of the image.

Serving the World with Our Social Innovation Business

THE FUTURE IS OPEN TO SUGGESTIONS



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Thank You