Asset Management/Asset Care



Asset Base

€4R 150 Buildings 2,300 acres

+34,000
Assets

Primary Net Energy

230 GW/hrs gross annually

Team of

+250

Technical & Managerial

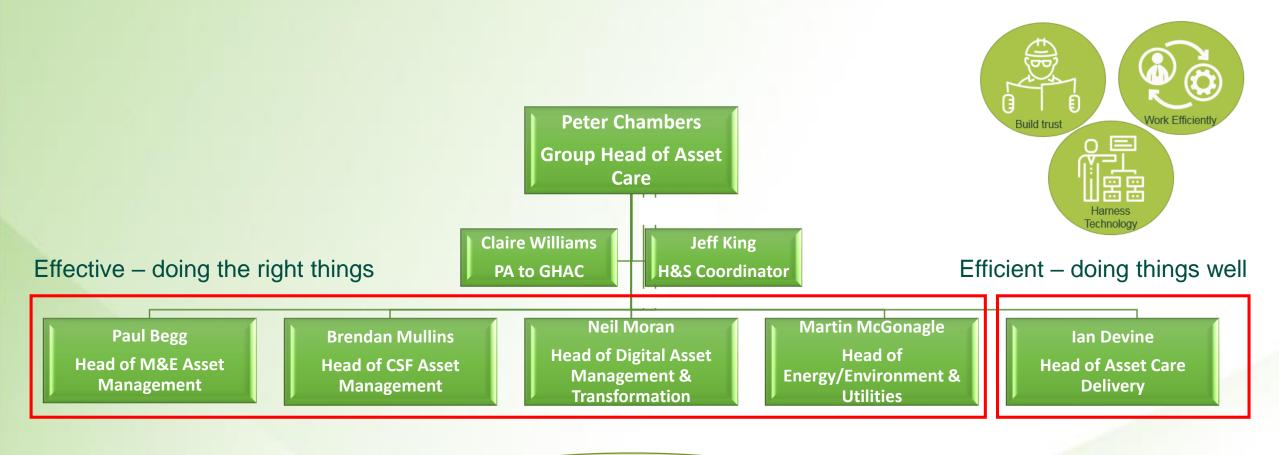
Compliance Frameworks ISO 55001 Asset Mgmt.

ISO 50001 Energy Mgmt.

ISO 45001 H&S Mgmt.

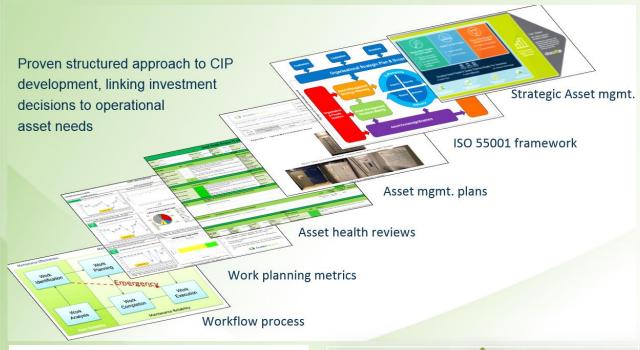
ISO 14001 Environmental Mgmt.

Asset Management/Asset Care Team



Our Vision
We keep You moving through Engineering
Excellence

Asset Management Process



Analyse Performance, Costs & Risks Operate & Maintain Decision Making Opex / Capex Balance – Investment Plans Build, Commission, Transition



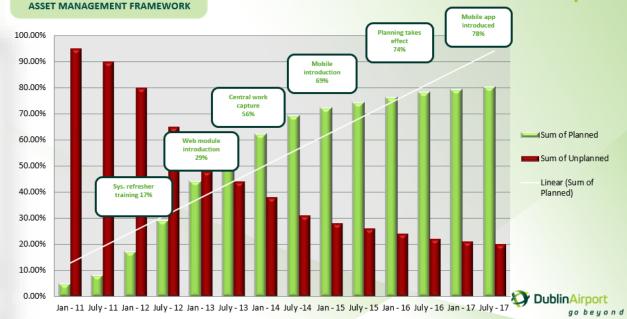
ASSET MANAGEMENT FRAMEWORK

Summary Headings:

- 1. Policy, Strategy & Objectives
- 2. Accountabilities & Responsibilities
- 3. Leadership & Commitment
- 4. People & Team Development
- 5. Asset Lifecycle Planning
- 6. Design, Project & Procurement
- 7. Operate & Maintain
- 8. Asset Information Management
- 9. Health, Safety & Environment
- 10. Risk Management
- 11. Continuous Improvement

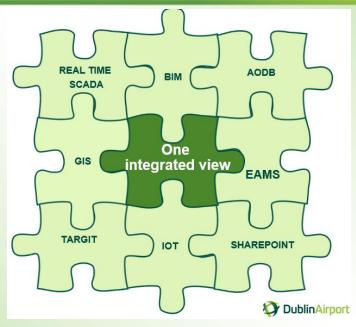
Target Baseline 2010 DAA ISO 55001 Maturity -End 2011 **Assessment Chart** End 2012 -End 2013 Policy, Objectives & End 2014 Strategy End 2015 Accountability & Asset Information Responsibilities Continuous Leadership & Commitment Improvement Design, Project & People & Team Development Procurement Asset Cost, Risk Management rformance & Risk Health, Safety &

Planned Vs Reactive By Time



Technology & Data Analytics

SINGLE INTEGRATED VIEW (Opportunity)



Asset information integrated to provide one consistent view across the asset life cycle providing insight into cost, risk & performance

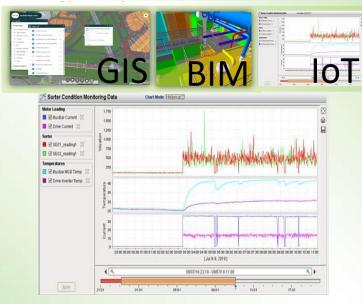
CREATING VALUE FROM DIGITAL



Decreasing data volume, increasing information value,

providing insight to support improved decision making

DIGITAL ENABLERS (Developing GIS, BIM, IoT capability)



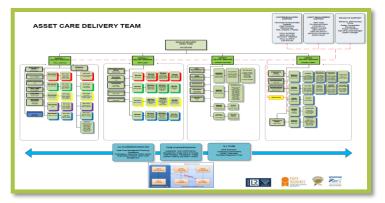
Connect, monitor and diagnose the performance and health of key assets with IoT sensors and a real-time asset health capability

Joining up the asset location (GIS) with asset history (Maximo) and live asset condition (SCADA)

Opportunity to create common digital platform to display operational activities and performance of the airport

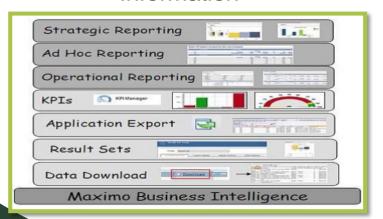
DublinAirport

Passenger at the Centre



People

Information



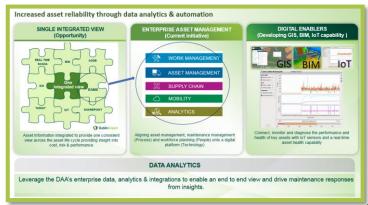




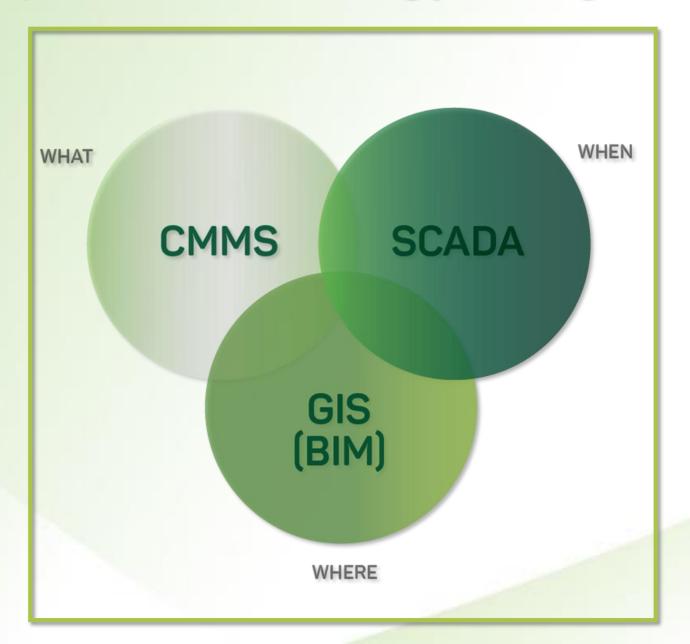


Process

Technology

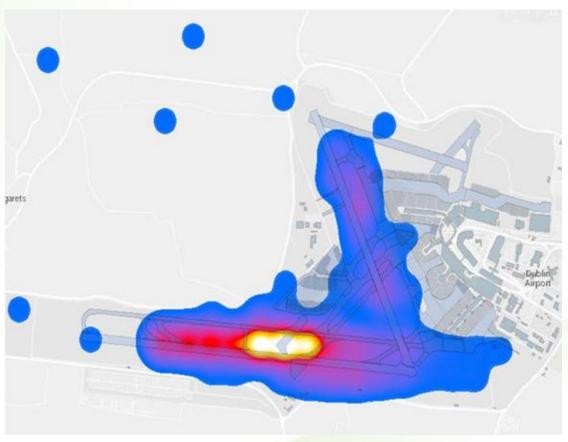


Enterprise Technology Integrations



Data to Information

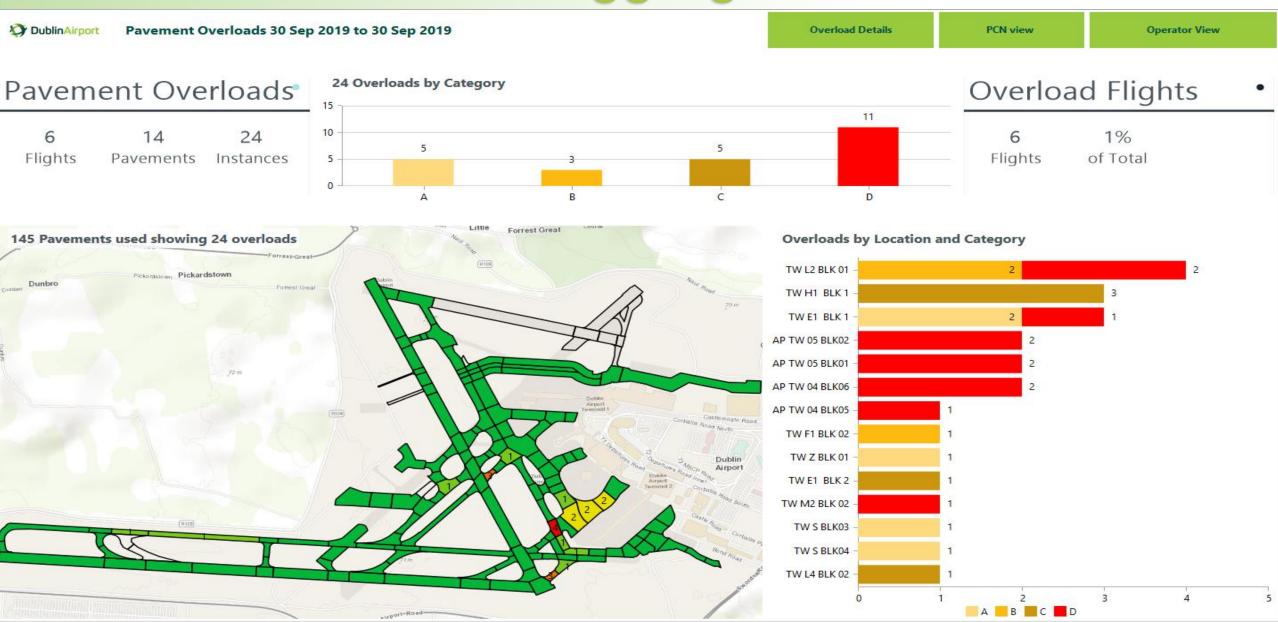




Pavement observations tracker



Data Aggregation

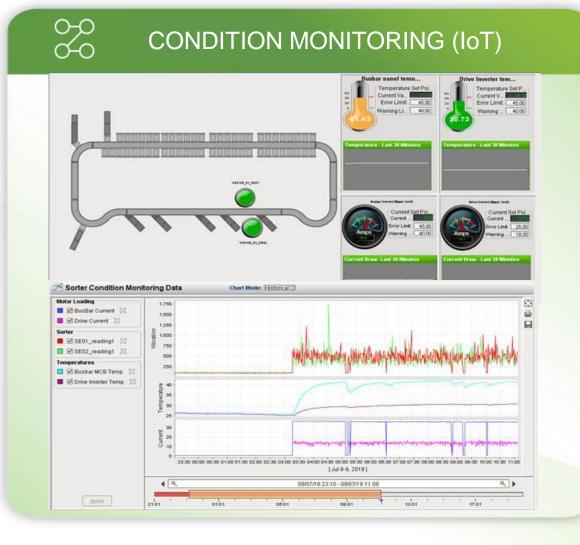


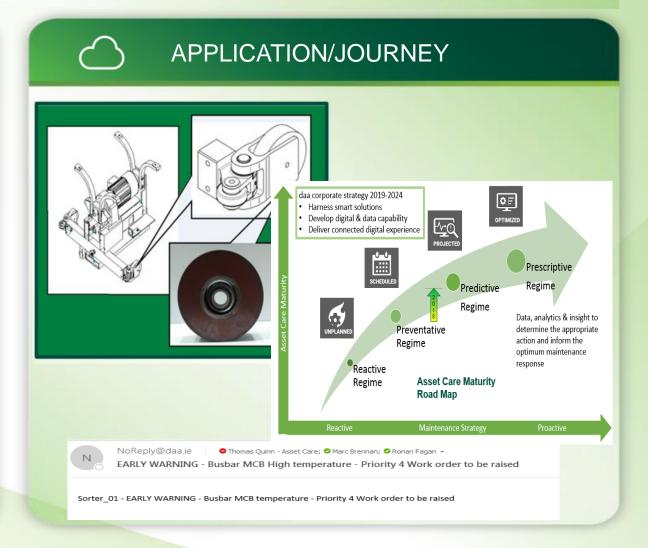
Dashboards



Terminals Baggage - Field Applications of Conditioning Monitoring (Asset Care)

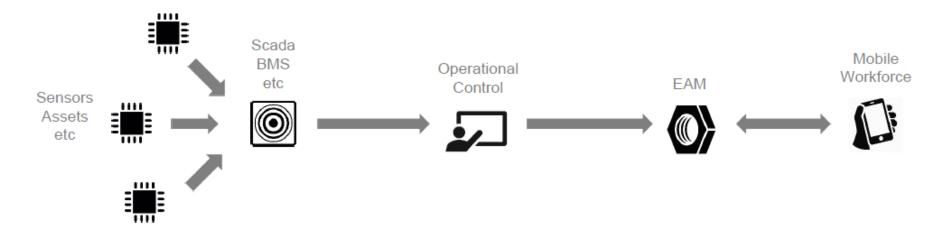
Proof of concept trials completed on T1/T2 Baggage Handling Systems



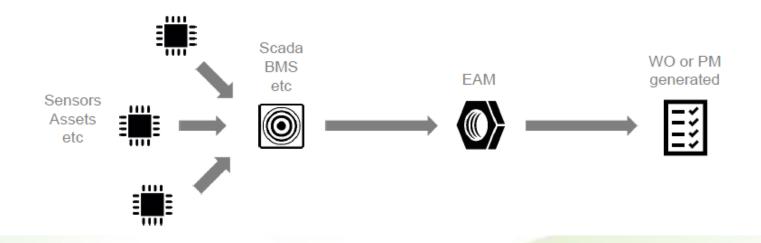


Maximo/SCADA Integration

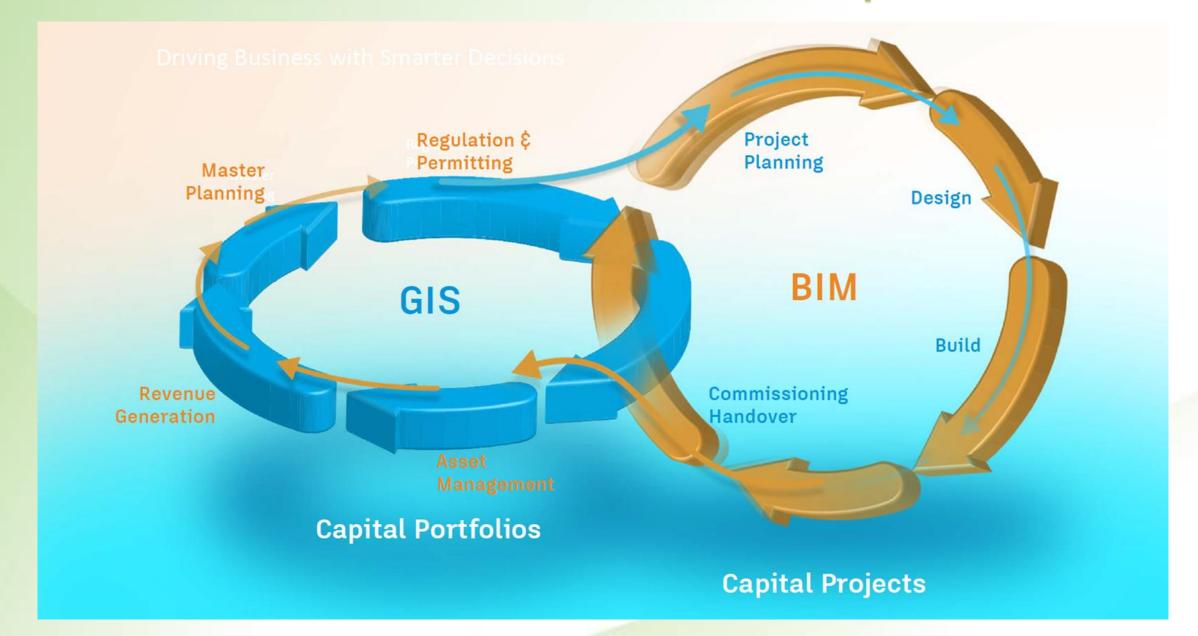
Fault Creation from SCADA



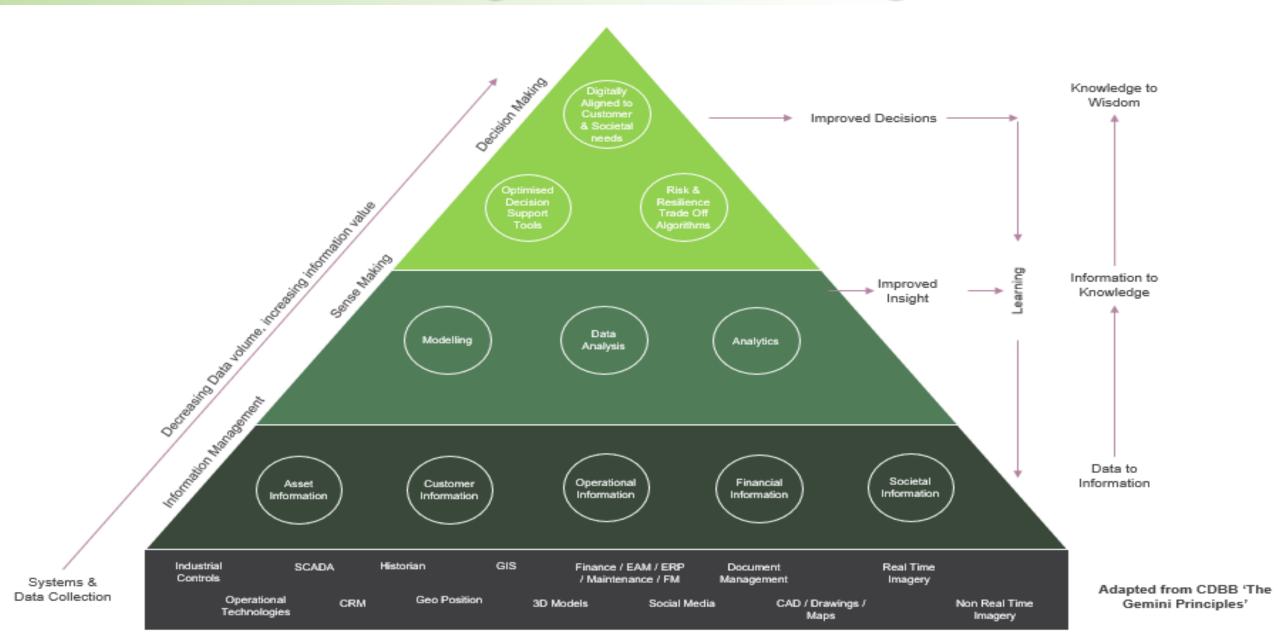
Meter and CMP data from SCADA



GIS - BIM Relationship



Creating Value from Digital



DIGITAL Road Map

