Asset Management/Asset Care

Asset Base
€4B
150 Buildings
2,300 acres

Primary Net Energy
+34,000 Assets
230 GW/hrs gross annually

Team of
Team of
+250 Technical & Managerial

Compliance Frameworks
ISO 55001 Asset Mgmt.
ISO 50001 Energy Mgmt.
ISO 45001 H&S Mgmt.
ISO 14001 Environmental Mgmt.
Our Vision
We keep you moving through engineering excellence.

Effective – doing the right things

*Paul Begg*
Head of M&E Asset Management

*Brendan Mullins*
Head of CSF Asset Management

*Neil Moran*
Head of Digital Asset Management & Transformation

*Martin McGonagle*
Head of Energy/Environment & Utilities

Efficient – doing things well

*Claire Williams*
PA to GHAC

*Jeff King*
H&S Coordinator

*Ian Devine*
Head of Asset Care Delivery

Peter Chambers
Group Head of Asset Care
Asset Management Process

Proven structured approach to CIP development, linking investment decisions to operational asset needs.

Asset Lifecycle

Risk & Change Control
- Analyze Performance, Costs & Risks
- Develop, Commission, Transition
- Operate & Maintain

Decision-makingoyer
- Capital / Investment Plans

COST
- Asset Information
- Planning
- Performance
- Risk Management

RISK
- Asset Information
- Planning
- Performance
- Risk Management

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

DAA ISO 55001 Maturity Assessment Chart

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

Data Collection
Decreasing data volume, increasing information value, providing insight to support improved decision making

Information Management

Sense Making

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
Passenger at the Centre

Passenger Experience

People
Information

Process
Technology

Strategic Reporting
Ad Hoc Reporting
Operational Reporting
KPIs
Application Export
Result Sets
Data Download
Maximo Business Intelligence

DublinAirport
Enterprise Technology Integrations

WHAT

CMMS

SCADA

GIS (BIM)

WHERE
Data to Information
Pavement observations tracker
Data Aggregation
Dashboards
Proof of concept trials completed on T1/T2 Baggage Handling Systems

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

CONDITION MONITORING (IoT)

APPLICATION/JOURNEY

Data-driven corporate strategy 2019-2024
- Harness smart solutions
- Develop digital & data capability
- Deliver connected digital experience

Preventive
Regime

Proactive

Reactive

Asset Care Maturity Road Map

Reactive  Maintenance Strategy  Proactive
Maximo/SCADA Integration

- Fault Creation from SCADA
- Meter and CMP data from SCADA
GIS – BIM Relationship
Thank You!

Dublin Airport Asset Management