

UNLEASH THE FULL POTENTIAL OF BIM IN AIRPORT CONSTRUCTION



CHALLENGES IN AIRPORT CONSTRUCTION



Complexities in planning large and diverse spaces



High construction and operating costs



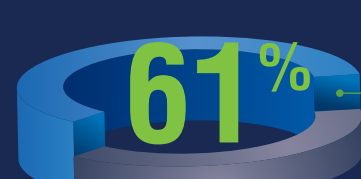
Coordinating with large project teams



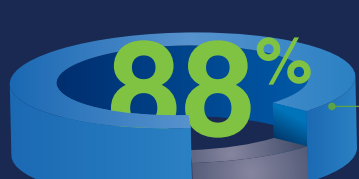
Design errors resulting in rework and duplication

BIM OFFERS MULTIPLE BENEFITS IN AIRPORT CONSTRUCTION

- ✓ 3D Visualization capabilities
- ✓ Interdisciplinary collaboration
- ✓ Enhanced sequencing and scheduling
- ✓ Accurate cost estimation
- ✓ Easier renovation with Scan to BIM Models
- ✓ Better airport facility management



Reduction in project errors



Better design insights



Higher project quality



Increase in client satisfaction

PROVEN IMPACT OF BIM IMPLEMENTATION - GLOBALLY

Abu Dhabi

51,000 working hours and \$1 Million saved for the new Midfield terminal.

London

\$26 Million saved during its 30 year life by Gatwick Airport.

Mexico City

New International Airport hires 1.5 times less staff in project team to produce project drawings.

San Diego

\$8 Million saved in construction costs for international airport project.

Denver

Centralized coordinated BIM model for electronic file sharing in airport expansion project saved on resources.

\$7 MILLION SAVED ON OMAN AIRPORT CONSTRUCTION PROJECT

The Solution

A clash-free coordinated BIM model using LOD 400 along with clash detection reports in Navisworks.



Business Impact

100% of MEP systems installed with zero change orders.

Savings of \$7M in 6 months on project cost.

