Go digital: Three takeaways from the Virtual Connected Airports Event

Key challenges for airport managers overseeing civil infrastructure projects:

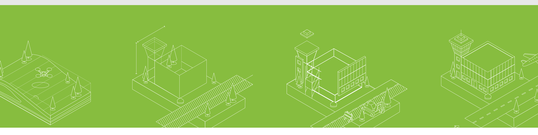
- Communication between stakeholders
- Interoperability of data between stakeholders
- Using data for asset maintenance and optimization

The common thread: Data

Data ownership, quality, and interoperability dictate the success of airport infrastructure projects.

International standards such as ISO 19650 recognize the importance of data management and recommend best practices for using BIM.

Especially today, AEC professionals need to deliver infrastructure projects on time and within budget - by doing more with less and working with remote teams.



1 Data ownership is key

THE GOAL:

Moving away from data silos and adding **more project visibility**.

- Traditionally, there's no connected data environment where everyone has access to the latest project version.
- Lack of visibility into workflow processes and project deadlines causes delays and unidentified errors. It complicates adhering to compliance standards for data management.

THE ANSWER:

Data management platforms offer complete control and visibility of project data.

- BIM 360 helps to centralize all design and construction data and simplify workflows.
- All stakeholders access the same platform for complete transparency and most accurate information in real time.
- Managers can control access for better project oversight.

> *"Using BIM 360 gives us the power to decide who can see what information. We define the process flow and the design review process ourselves."*
>
> - Jean-Manuel LeJeune, Head of digital transformation and information management at Dublin Airport

2 Ensuring data quality is paramount

THE GOAL:

Data continuity.

- Airport infrastructure projects don't end after design and construction.
- Asset maintenance and optimization require maximized efficiencies.
- Data needs to be thorough and updated, so stakeholders can rely on accurate information in real time.

THE ANSWER:

Connected workflows to improve data quality.

- Integrating BIM with GIS, for example, ensures models are based on precise information.
- AEC professionals can use the Autodesk Connector for ESRI ArcGIS to bring ArcGIS data into Infraworks models.

> *"Through the connector for ArcGIS, we're enabling a new way of working that allows cross-functional teams to manage information flow and integrate two different systems. The result is better collaboration throughout the infrastructure project lifecycle."*
>
> - Karen Weiss, Senior Industry Strategy Manager, Civil Infrastructure Owners, Autodesk

3 Sharing data efficiently is vital

THE GOAL:

Better communication between stakeholders.

- Managers and IT teams have the difficult task to ensure transparency and efficient data-sharing.
- Interoperability of data is challenging when airport managers process information from different stakeholders, and integrate data into one platform.

THE ANSWER:

Connected data environments facilitate communication.

- Airport teams can share data for various projects with multiple parties at the same time.
- **BIM 360** supports information generation while ingesting a variety of data sets. The information is easy to understand, even for stakeholders with no technical know-how.

> *"When it comes to information transfer, large, complex organizations such as airports tend to operate in data silos. Dublin Airport is striving to break down data silos and share more information between departments."*
>
> - Jean-Manuel LeJeune, Head of digital transformation and information management at Dublin Airport

Learn more about Autodesk's solutions for airports.

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