Three takeaways from the Virtual Connected Airports Event

Key challenges for airport managers overseeing civil infrastructure projects:

1. Communication between stakeholders
2. Interoperability of data between stakeholders
3. 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.

Go digital:

Learn more about Autodesk's solutions for airports.

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.

Data continuity

The GOAL:

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.

Data quality is paramount

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 store data in one platform.

The ANSWER:

Connected data environments facilitate communication.

» Airports can share data for various projects with multiple parties on the same platform.

» BIM 360 supports information generation and reporting, a variety of data sets. The information is easy to understand, even for stakeholders with no technical know-how.

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.

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 store data in one platform.

The ANSWER:

Connected data environments facilitate communication.

» Airports can share data for various projects with multiple parties on the same platform.

» BIM 360 supports information generation and reporting, 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.

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.

-René Van der Vloet, Strategy Manager, Small and Medium Infrastructure Sector, Autodesk

Ensure data quality is paramount.

The GOAL:

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.

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.

Connected data environments facilitate communication.

» Airports can share data for various projects with multiple parties on the same platform.

» BIM 360 supports information generation and reporting, a variety of data sets. The information is easy to understand, even for stakeholders with no technical know-how.

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 store data in one platform.

The ANSWER:

Connected data environments facilitate communication.

» Airports can share data for various projects with multiple parties on the same platform.

» BIM 360 supports information generation and reporting, 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.