

Bangalore International Airport Limited: Complex infrastructure in record time

To design and build a second terminal for Kempegowda International Airport, Bengaluru, Bangalore International Airport Limited (BIAL) relied on Autodesk solutions to realize ambitious design and timeline targets.

Engineers, designers and contractors used BIM 360* to facilitate collaboration on vast datasets.

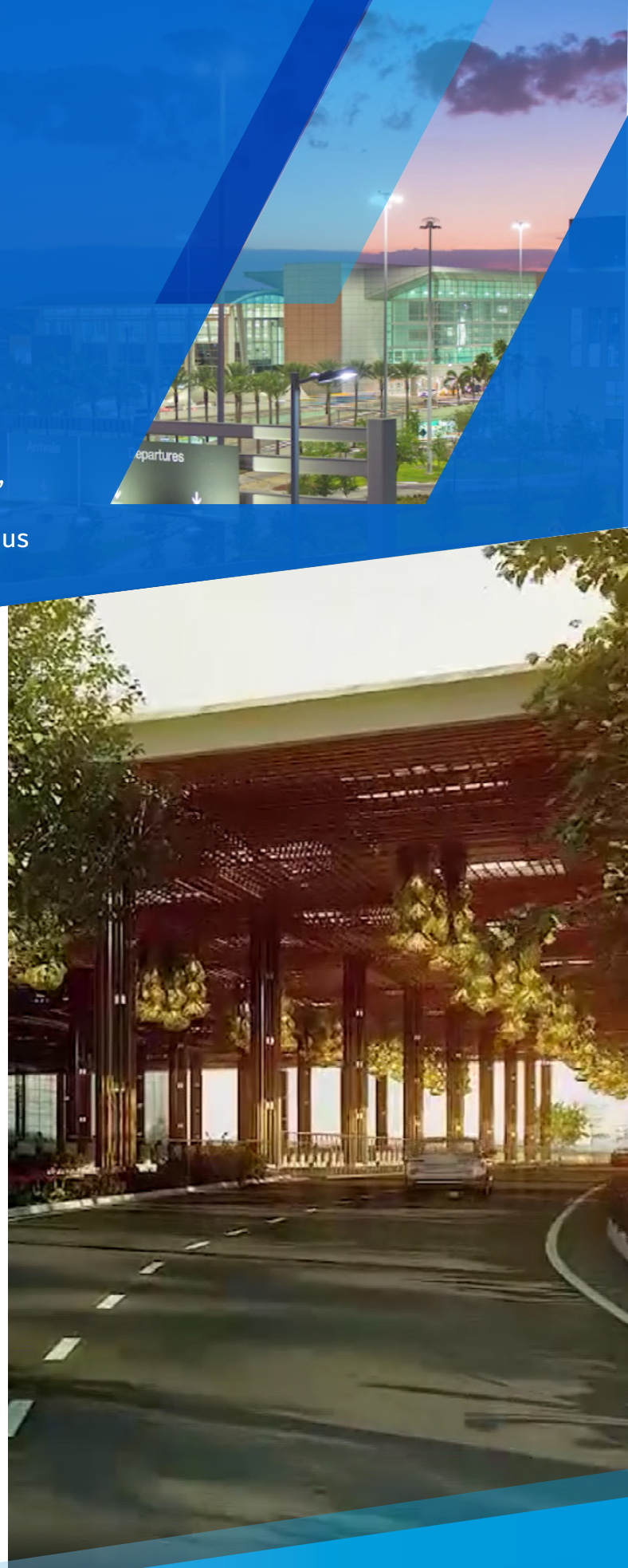
THE CHALLENGES:

- / **Compact project lifecycle:** New terminal to be completed within 2.5 years
- / **Expedited design process** 5,000+ drawings done in 6 months
- / **Efficient collaboration between many teams**
Project teams work in parallel, paperwork has been eliminated

“As a contractor, time is of the essence. With BIM 360, design and construction processes are expedited because we’re working in coordination, so no one is waiting for any information.”

– Narin Gobindranauth, Head of Design, L & T Construction

*In 2021, BIM 360 will be changed to BIM Collaborate.



HOW THEY DID IT:

BIAL's methodology

Digital processes

Project planners mandated BIM for every project stage, using Autodesk solutions.

/ **Engineering, design and construction plans created with BIM 360**

/ **Project data visualized through Forge**

Coordinated teams

All teams have access to the latest BIM 360 project models.

/ **Finding and resolving possible issues quickly**

/ **Unparalleled collaboration between teams in different locations**

/ **BIAL retains control over design process**

BIM for long-term management

BIAL will use the BIM 360 project model as the basis for facility management in the completed Terminal 2.



Design



Pre-Construction



Field Execution



Owner/operator



In-house planners



Contractors

KEY BENEFITS OF INTEGRATED BIM FOR BIAL:

/ **Seamless collaboration with multiple teams**

/ **Increased productivity**

/ **Easier maintenance and operations**

/ **Sustainable, design-led approach**

“We chose to have a BIM mandate not only in terms of how we drive day-to-day drawing and construction processes, but to have the engineering and maintenance capabilities at the end of the project.”

– Ramyo Dey, General Manager, Planning & Design, Bangalore International Airport Ltd

[Read the Full Case Study](#)