



Facts & Figures

Project Duration
2018 - 2020

Client
Airfoil Services Sdn. Bhd. (Joint Venture Lufthansa Technik AG & MTU Aero Engines)

Location
Selangor, Malaysia

Investment - ca.
€42 million net

Project Area - ca.
21.300 m²

Services
User Requirement Specification(URS), Project Management/Steering, BIM Management

[Projekt-Info PDF](#)

Airfoil Services Sdn. Bhd. Facility Extension

Production expansion

Airfoil Services Sdn Bhd (ASSB) specializes in the repair of blades for high-pressure compressors (HPC) and low-pressure turbines (LPT) of aircraft engines. Production is to be expanded while the plant remains in operation and supplemented by a new building. The project started in August 2018 and is currently in the implementation phase.

Both shareholders, Lufthansa Technik and MTU Aero Engines, each stand for the highest level of expertise in the maintenance, repair, and overhaul of individual parts and assemblies such as engines, right through to complete aircraft. By pooling this expertise in Malaysia, a center of excellence for the repair of engine blades has been created there.

What did we do?

- Demand planning (URS process)
- BIM management and coordination
- Training of the team in BIM and agile working methods
- Resource planning
- Integration planning and continuous layout optimization
- Project control according to AHO §2 PS 1-5 Project control according to AHO §3 Provision and administration of the project room and the interactive protocol and task tool

What made us stand out in the process?

- Application of agile methods
- Decision support through virtual reality Process optimization through coordinated task processing in Europe and Asia

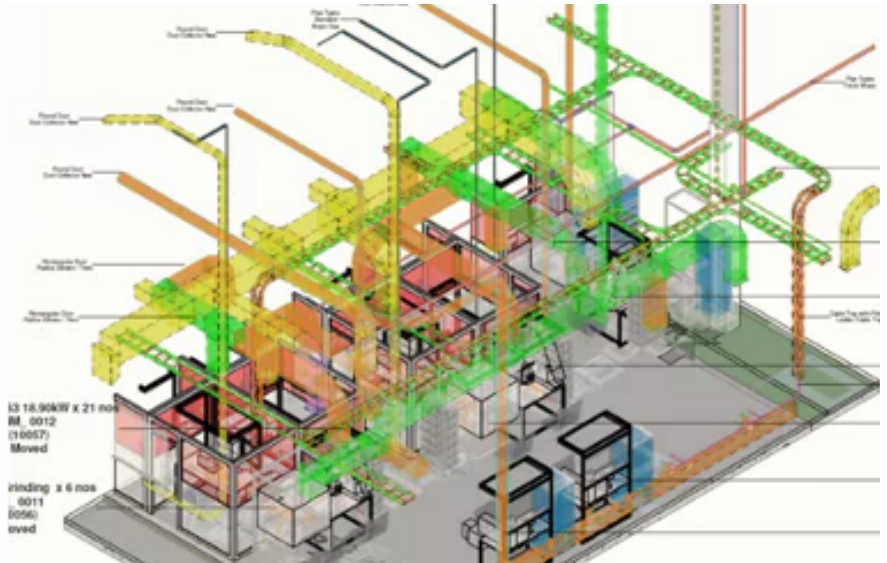
Construction & Renovation during Ongoing Operation

The installations in the existing building were not allowed to affect production – the production process had to run without interruption around the clock. It was made visually clear to all those involved, such as the construction companies, on-site which elements would be newly installed, which would be dismantled, and which would remain.



BIM-Management

The major challenge in the implementation phase was the conversion during ongoing operations. The installations in the existing building were not allowed to affect production – the production process had to run without interruption around the clock. The project made it visually clear to all those involved, such as the construction companies, on-site which elements would be newly installed, which would be dismantled, and which would remain.



Stand-Up Meetings

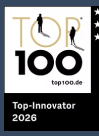
During the implementation phase, the daily stand-up meeting helps to increase the speed in the project. The stand-up board provides a structured overview of all current and important information for resources and construction.



[Previous Project](#)

[All Projects](#)

[Next Project](#)



- [Home](#)
- [About](#)
- [Services](#)
- [Projects](#)
- [Career](#)
- [Contact](#)

- [Office Locations](#)
- [Imprint](#)
- [Data Protection](#)
- [Follow us](#)