

## Case study

### COMPANY OVERVIEW

Aerospace Industrial Development Corporation engages in the manufacture of aircrafts in Taiwan and internationally. The company is involved in the design and manufacture of fighters and advanced trainers, and commercial aircraft. It also offers aircraft maintenance and avionics services, including aircraft mid-life upgrade, flight line and I/L maintenance depot and overhaul maintenance, aircraft accessory MRO, aerospace harness manufacturing and testing, and MRO services. In addition, the company engages in the OEM/ODM of aerostructure and sub-components; OEM/ODM of commercial aircraft engine parts; and design and integration of the auxiliary power units and noise elimination systems, as well as offers industrial engines. The company was formerly known as Aero Industry Development Center. Aerospace Industrial Development Corporation was founded in 1969 and is based in Taichung, Taiwan.

### CHALLENGES

- Reduction of manufacturing cycle times as well as planning cycle time
- Reduction in Work in Progress
- Planning of key part numbers and their availability

### SOLUTION

- Adexa Plant Planner deployed in multiple locations for airplane parts and for engine parts planning
- Adexa Plant Planner has been planning production since 2000 running daily for production plans, weekly for material planning and monthly to prevent potential shortages
- The Plant Planner runs are used for Work order release, estimation of accurate delivery dates and material planning
- Integrated with SAP, collecting data regarding shop floor, inventory, as well as BOM and routings and orders
- The schedules are delivered beginning of each shift for production

### BENEFITS

- Much improved on-time delivery of the orders
- Reduced expediting and shortages
- Reduced WIP