SIEMENS

Industry Services

Maintenance partnership

Expertise, top performance, and flexibility resulted in a six-year extension at MTU Aero Engines

Customer
MTU Aero Engines

Site
Munich

Contract period
01.01.2005 - 01.01.2010 and
01.01.2010 - 31.12.2015

Scope of supply and services
Maintenance of machine tools, production and process facilities, as well as associated technical equipment

The task

MTU Aero Engines is Germany's leading aircraft engine manufacturer and a firmly established player in the industry. The company develops, manufactures, markets, and supports commercial and military aircraft engines in all thrust and power categories as well as stationary industrial gas turbines. This German industry leader employs a workforce of approximately 8,200 and has subsidiaries in all important regions and markets.

As an aeronautics company, MTU has to meet the highest quality and safety standards. At MTU, highly complex machines and processes are used for the production of engine components.

MTU Aero Engines headquarters in Munich

In 2010, MTU commissioned Siemens Industry for another six years to handle the maintenance of their machine tools, production and process facilities, as well as the associated technical equipment at the Munich plant in accordance with DIN 31051.

In addition to corrective maintenance and preventive maintenance, the service agreement also includes the complete maintenance planning.


Jet engine GP7000 in the test bed

In 2002, Siemens qualified itself for the development of an integral maintenance concept and the implementation of plant maintenance for MTU Aero Engines at the Munich plant.

"We commissioned an external partner to handle system service in order to accomplish three things:

1.Optimize system service costs

2. Reduce our own indirect services

3. Provide for fast and flexi ble response in the event of machine failures

With Siemens we have a partner who responds flexibly and reliably, even when it comes to special requests. We benefit from a network of specialists that spans the entire Siemens Group."

Herbert Neumeier,
Senior Vice President
Maintenance, Assembly and
Production Services,
MTU Aero Engines

Siemens maintenance personnel in action

The solution

In addition to corrective mechanical and electrical maintenance, the maintenance partnership encompasses the complete maintenance management and engineering coordination to meet company requirements. Siemens is additionally responsible for spare parts management (procurement of the necessary replacement parts, parts subject to wear, inventory control).

The standardized maintenance processes are described in a maintenance manual and controlled by means of key performance indicators via central order coordination.

Over 70 highly qualified Siemens employees provide services mainly in a two-shift operation. Due to production factors, those services are expanded to a three-shift operation when necessary.

The primary challenge in the contract extension involved modifying the ongoing maintenance contract to make it possible for MTU to respond flexibly to future production fluctuations at short notice.

Know-how, efficiency, and tangible flexibility led to a high level of customer satisfaction at MTU during the past contract period and ultimately lead to the continuation of the maintenance partnership until the end of 2015.

The benefit

- For the customer, the contract extension primarily means guaranteed flexibility when it comes to possible fluctu ations in production
- Partnership with a competent mainte nance expert
- Focus on core business
- Maintenance contract with clearly defined key performance indicators (KPI)
- Cost certainty through calculable maintenance budgets
- Fewer interfaces through the coordination of all involved external companies and machine suppliers
- Continual improvements ensure sustainability

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