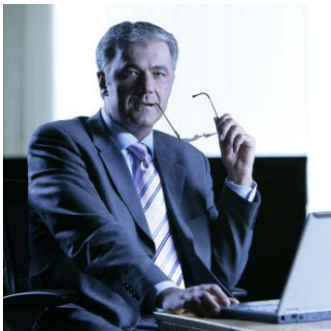


Tahaddart combined-cycle power plant reduces costs and increases availability

Energy Management Suite Reference

Instrumentation, Controls & Electrical



The Result

- Higher availability
- Improved operating and plant safety
- Time- and process-optimized work and materials management
- Exploitation of potential for cost reduction

SPPA-M3000 Plant Management

optimizes the technical processes in the power plant, thus contributing to a reduction in costs.

The Plant

The 384 MW power plant in Tahaddart – 30 km south of Tangiers on the Atlantic coast – is Morocco's first combined-cycle power plant and the first Siemens turnkey plant in the country. It is owned by EET (Energie Electrique de Tahaddart). Shareholders include the Moroccan ONE (Office National de l'Electricité), the Spanish Endesa and Siemens. Siemens is also responsible for operation of the power plant.

The Task

The assurance of high availability for the power plant is of great significance to the power supply for the country and the region. The costs of operation, maintenance and administration should also be reduced so as to ensure optimum customer benefit. Here uniform, clear-cut processes are necessary which assign clearly defined work orders to employees and simultaneously document these in a reproducible manner.

Our Solution

SPPA-M3000 Plant Management supports technical plant management, as well as materials procurement and administration in the power plant by means of predefined work processes. Employees obtain online information about the current processes in the power plant for this purpose. This information is automatically transferred to various work forms, such as work

orders, work permits plus orders and is initiated by authorized personnel in accordance with a defined release procedure. The system also determines the optimum maintenance strategy based on an analysis of the fault and failure modes of plant sections. The fact that spare parts management is also performed by the system represents further potential for cost reduction.



"The efficiency of our team and the application of optimum IT solutions, such as Siemens Plant Management, ensure high availability. We were also able to improve work safety and reduce operating and maintenance costs."

Erich Jung, Station Manager,
Tahaddart CCPP

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The required technical options should therefore
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