

Success Story: Footprint Solutions Driven by Omnicare

**Efficiency and future-ready
services out of one hand**

Maximizing efficiency and ensuring long-term reliability of equipment are key to maintaining competitiveness in industrial operations.

MAN PrimeServ's innovative replacement of a 1975 Siemens steam turbine with the advanced MAN MST080 turbine highlights a seamless blend of performance enhancement and future-ready services.

This tailored solution delivered immediate operational benefits, all with minimal downtime and seamless integration into the customer's entire machine train.

Overview

Customer	Top-tier steel manufacturer
Manufacturer	Siemens
Location	Austria
Machinery Type	Replacement of a steam turbine driving a MAN blower
Reference Year	2021
MAN Workshop	Oberhausen
Key Services	- Technical consultancy - Engineering services - Supply of a steam turbine with auxiliaries - Installation and commissioning



Original Siemens steam turbine from 1975 before replacement.

The Challenge

The customer's 37 MW Siemens steam turbine, installed in 1975, had reached the end of its lifecycle, causing inefficiencies and reliability issues. The OEM's replacement solution was oversized, required extensive structural changes, and posed prolonged downtime, jeopardizing operations. The customer thus sought a cost-effective, tailored solution with minimal disruption and within their budget.



New MAN MST080 steam turbine integrated for optimal performance.



The Solution

MAN PrimeServ's team of experts collaborated with the customer through multiple consultations to deliver a precise, tailored solution. They upgraded critical systems, including instrumentation, controls, and the lube oil system, while retaining the existing foundation. The MST080 steam turbine was engineered to provide higher power output without requiring structural modifications. Optimized installation procedures allowed minimized downtime, ensuring uninterrupted blast furnace operations. By focusing on efficiency and affordability, MAN delivered a future-ready system supported by comprehensive service.

Customer's Benefit

The modernization project delivered critical benefits tailored to the customer's needs:

- Extended Lifespan: Reliable operation for 30+ years with the new MST080 turbine.
- Simplified Maintenance: A single-source solution streamlined future service planning.
- Operational Continuity: Installation ensured uninterrupted blast furnace functionality.
- Cost Efficiency: Reduced site modifications and downtime delivered significant savings.

The Impact

With aging equipment and operational inefficiencies, customers require a reliable solution to maintain production. By leveraging its engineering expertise, MAN PrimeServ delivered tailored modernization solutions centered on advanced steam turbines. This specific project restored reliability, boosted efficiency, and seamlessly integrated with existing infrastructure while minimizing downtime and costs. Through precise execution and a customer-focused approach, MAN ensured uninterrupted operations, and long-term value, meeting the customer's exact needs.

Connect with us

Turn your challenges into success stories with MAN PrimeServ. If this story inspires you and you'd like to explore similar solutions, connect with our sales representatives in your country. We are here to help you achieve your goals.



Talk to an expert

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