

CASE STUDY

Better Efficiency Within 36 Hours at ERZO in Zofingen, Switzerland

The waste disposal company ERZO was the first Swiss customer who ordered a turbocompressor of the range HST 2500, in 1997. One year later, as the construction of the treatment facility proceeded, Sulzer installed additional compressor units. Meanwhile, the waste disposal company runs two HST 6000 and four HST 2500 turbocompressors. The latest addition is a new HST 2500 turbocompressor that replaces the first generation compressor installed in 1997.



New 36h HST 2500-1-F at ERZO

“ Thanks to the fast replacement, efficiency and environmental water protection could be ensured within 36 hours. ”

Adrian Burkart, Division Manager ARA ERZO

The challenge

After almost 20 years of intensive operation, an update of the electronics of one of the oldest HST 2500 turbocompressors was required. Lately the operator had to switch to manual use on a regular basis to ensure sufficient air supply for the biologic process of the facility.

A solution was needed. Initially the operator planned to update the turbocompressor with a new electronic system.

The solution

Since May 2016, Sulzer has offered selected HST 2500 and HST 20 turbocompressors for delivery within 36 hours from the factory in Finland. This fast-track opportunity came at exactly the right time for ERZO. In order to benefit from all the value-adding advantages the new turbocompressor generation offers, ERZO decided to replace the old turbocompressor.

Thanks to the competent and rapid support from Sulzer’s partner BRA turbo Ing AG in Switzerland, the decision was implemented promptly. A HST 2500 turbocompressor from the fast-track process of Sulzer was selected, ordered and delivered.

The experienced BRA turbo team dismantled the old equipment and installed the new HST 2500 turbocompressor.

The Sulzer difference

- Delivery within 36 hours
- Up to 50% savings in energy costs
- Maintenance-free operation
- Short payback time
- Low operation costs

Customer benefit

- Fast delivery, installation and start-up
- Installation and commissioning during continuous operation
- Low energy consumption
- Minimal maintenance required, low noise level
- No oil lubrication or other polluting liquids
- Reduction of the CO₂ footprint of the treatment plant

Product data

HST 2500-1-90-40-F turbocompressor	
Airflow range	1000 - 3700 Nm ³ /h
Pressure rise	30 - 85 kPa
Input power	90 kW
Power supply	380 - 500 V
Input frequency	50-60 Hz
Protection class	IP33D
Thermal protection	PT100

For more information on our products and solutions for better efficiency within 36 hours, please visit sulzer.com.

Contact

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Applicable markets

Municipal and industrial wastewater treatment

Applicable products

HST turbocompressor