



- Excellent reliability
- Highest efficiency
- Minimal maintenance

HST™ Turbocompressors in Power Plants

Sulzer's HST turbocompressors bring increased reliability and energy efficiency to power generation applications such as:

- Flue gas desulphurization
- Fluidized bed sand recovery

Customer benefit

The power plant operators experience significant benefits:

- The direct-driven HST has much higher efficiency than positive displacement blowers, turbofans and multistage centrifugal compressors
- The non-contact magnetic bearings give superior reliability and minimal maintenance cost
- Condition monitoring is built in as standard
- A wide range of field bus communication interfaces is available





Reference:

A replacement which brings satisfaction

In the peat and biomass-fired 143 MW Tornion Voima heat and power plant in Finland, the three Roots blowers initially installed on the sand trap separation system were not giving complete satisfaction. Because of excessive maintenance costs and high noise level, it was decided to replace them with one HST 40-300-1-L-6 (8,500 m³/h @ 50 kPa). The improvement was remarkable and the reduced energy requirement of the HST increased the overall efficiency of the whole plant.

