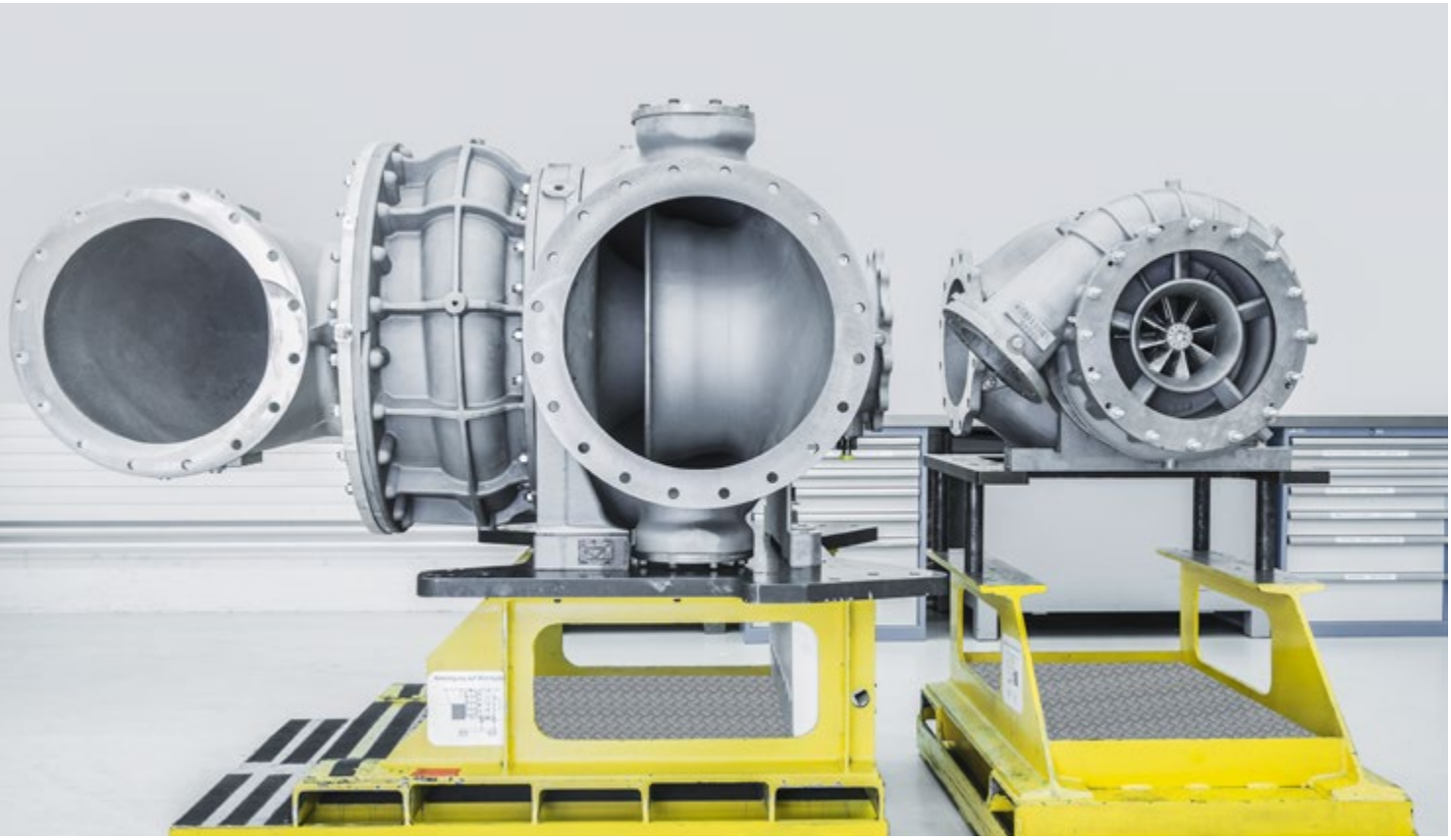
Acce//eron

Increase power output, save on fuel

Power2® 800-M



Two-stage turbocharging is a key technology in enabling significantly reduced fuel consumption and emissions, in addition to increased engine power density.

01 Power2 800-M: a turbocharging system beyond the limitations of single-stage turbocharging

Power2 800-M exceeds single-stage turbocharging for the most advanced medium-speed four-stroke diesel, petrol and dual-fuel engines.

The new efficiency benchmark Power2 800-M was developed from the start to deliver the benefits of a dedicated two-stage turbocharging technology. Each turbocharger step is designed to work together to optimise your engine as efficiently as feasible. Power2 800-M is the most powerful turbocharging system on the market, with turbocharging efficiency of over 75% and charge air pressure of up to 12 bar, a new industry benchmark. This means double-digit power output density increases and six-figure fuel savings. Additionally reducing NOx emissions.

Designed for operators
In four-stroke applications, space is limited, hence Power2 800-M was designed to be small and powerful. It is 20% smaller than a single-stage two-stage turbocharging system.

Maximized uptime
Power2 800-M is service-friendly to maximise application availability. The entirely removable cartridge simplifies service. Touchless engine interfaces reduce service downtime.

Our global Service Network provides timely, competent repairs and over 98% spare component availability for any Accelleron turbocharger.

Power2 800-M exceeds single-stage turbocharging to fulfil next-generation engine standards. It's the world's most efficient four-stroke diesel engine for petrol and dual-fuel marine and power plant applications. The Power2 850-M, a new frame size, will also benefit all medium-speed advanced engine configurations.

02 The new efficiency benchmark for advanced medium-speed engines

Operational benefits:

- Fully covering diesel, gas and dual-fuel operations
- No limitations for HFO applications
- Fuel saving potential beyond 10 g/kWh
- Up to 60 percent lower NOx emissions
- Service friendly design
- 30 percent reduced overhaul time* due to the extractable cartridge
- Easier handling, less space required*

*Compared to a conventional two-stage turbocharging system based on single-stage turbocharging design.

Technical benefits:

- Increased power density
- More than 30 bar BMEP
- Pressure ratios up to 12
- Turbocharging efficiency above 75 percent
- No compromises with respect to transient response

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