

ABB Turbocharging History & Services

ABB Turbocharging is a global leader in the manufacture and maintenance of turbochargers for 500 kW to 80+ MW diesel and gas engines. Our leading-edge technology helps our customers to perform better and produce fewer emissions, even in the toughest terrains on ships, power stations, gen- sets, diesel locomotives and large off-highway vehicles. About 200,000 ABB turbochargers are in operation across the globe on ships, power stations, gen-sets, diesel locomotives and large, off-highway vehicles. We have over 100 Service Stations in over 50 countries worldwide.

ABB Turbocharging prides itself of service excellence to ensure customers make the most of their investment. The right service prevents repeat maintenance events and redundant spare part purchases, reduces downtimes, increases your application's availability, and lengthens your application's lifetime. That's why we're dedicated to providing all of our customers with **Original Service** and **Original Parts** that offer all those things.

Below are listed **the most important milestones** in ABB's Turbocharging remarkable march over the years:

1905: Alfred Buechi, Swiss engineer and inventor, patents turbocharging technology.

1924: Delivered the world's first turbocharger for a large diesel engine.

1932: First standardized range of turbochargers marks the beginning of broad industrialization.

1952: A new era for ship propulsion – "Dorthe Maersk" the first ship powered by a turbocharged two-stroke diesel engine sets sail.

1960s: Smaller, lighter RR turbochargers for modern diesel engines sets new standards in efficiency and pressure ratio.

1980s: VTR 4A and VTC take turbocharging to a new level of efficiencies to become the standard choice.

1988: Change of name. In 1988 ASEA and BBC merged to form ABB.

1998: The Catalonia equipped with an engine running on ABB turbochargers breaks the record for the fastest surface transatlantic crossing.

1999: TPL-B is launched to meet worldwide demand for large ocean –going vessels.

2004: ABB delivers TPL91-B for world's most powerful electronically controlled engine. TPL...-C and TPS-F are launched to tackle high output and low emissions demands.

2008-2010: A-100 are launched and made huge strides in emissions reductions.

2013: A200-L achieved an unprecedented increase in 30% volume flow for a most compact turbocharger.

2014: Power2 specially designed for 2-stage turbocharging breaks single stage limitations.

The future: Continue the tradition of innovation to provide sustainable technologies



Original Service and Original Parts

We offer a full range of services 24/7 365 days a year at any one of our 100+ ABB Service Stations in 50+ countries across the globe. We own all of our Service Stations, and we employ 600 qualified service engineers at them so that you get the support you need, when you need it, where you need it.

Our Service Agreements are designed to help you minimize the risk of production interruptions as well as increase the efficiency and reliability of your systems.

Maintenance Management Agreement (MMA)

Profit more by doing less

A Maintenance Management Agreement (MMA) is a service agreement for maintaining your ABB turbocharging solutions in your fleet. The Maintenance Management Agreement is part of ABB's Turbocharging well-structured offering of proactive service solutions for customer's turbocharger. MMA specifically targets end users of turbochargers on marine and stationary engines wanting close support of their turbocharger servicing activities rather than complete delegation. Under an MMA, ABB Turbocharging takes over responsibility for planning and organizing service and spare parts logistics, relieving the customer of both the technical and administrative workload.

It optimizes your maintenance management and reduces your workload. You get an annual budget plan, advance service recommendations, discounts on new original spare parts, and a single point of contact who will work with you in your language and on your time.

If you're looking for a full-service support system that gives you a proactive role and full transparency, then an MMA is right for you. 150 of our customers are already convinced. They have chosen to cover some 7,000 turbochargers under an ABB MMA, and that's not just because you can save 20% on spare parts.

Operation Performance Package (OPAC)

Meets your exact needs everywhere, every time

With ABB's Operation Performance Package, or OPAC for short, you get a fully customizable, fully delegable OEM service package paid by the actual number of turbocharger running hours. Designed with and for our customers, the OPAC is a more flexible, cost-effective approach to turbocharger servicing that is made to meet your exact needs everywhere, every time, with Original Parts and Original Service over an agreed period of time.

By signing such an agreement customers see added value through easier cash management, reduced administrative cost and full access to ABB's consolidated turbocharger and service know-how.

ABB takes full responsibility for customer's turbochargers, including the risk of excessive wear and tear. Every OPAC agreement is developed individually, based on a detailed analysis of customer's application and operating conditions. Customers enjoy a safe and reliable turbocharger operation, no hidden costs, access to ABB's know how and technical expertise, highest spare parts availability, transparent cost management and a worldwide service network.

Customer Part Exchange Program (CPEX)

Maximize availability through exchange

CPEX is part of ABB's reconditioning program for TPS shafts and bearing casings as well as for VTR and TPL blades, bearings and pumps.

CPEX offers ABB service customers a globally standardized range of high-quality reconditioned parts. CPEX enables you to minimize engine downtime by offering the possibility of exchanging your ABB turbocharger parts for original ABB reconditioned parts. You benefit from faster service, proven OEM quality and a global standard parts warranty.

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