

Fact Sheet

System Assembly



What is it?

ABB's pre-assembled water analysis and monitoring systems provide customers with everything they need in a single package - simple to install and easy to operate.

The ability to buy complete packaged solutions comprising everything needed for an application is attractive to any company looking to get its operations up and running as soon as possible. Power generation companies are no exception, where every day taken to build or upgrade plant incurs added time and expense in installation, testing and commissioning.

What does ABB offer?

ABB offers self-contained chemical monitoring systems comprising complete instrumentation systems for measurement of chemical parameters, critical to power plant operations and water treatment. These systems can be used to measure everything from pH and conductivity through to silica and phosphates.

What is special about ABB's system assemblies?

Supplied fully pre-manufactured and pre-tested, ABB's system assemblies are delivered to site ready for operation. Only connection to samples, drains, power supply and signal outputs is necessary on site.



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What are the key benefits for customers?

- ABB has over 25 years experience in building packaged system assemblies and we can offer a wide choice of standard designs which can be customised to suit individual applications
- The cost and time of on-site installation and commissioning is dramatically reduced
- All equipment is pre-tested by ABB and meets all the relevant industry standards
- One total integrated package with all instrumentation sourced from a single manufacturer
- The concept ensures the ideal working environment for both instruments and operators
- Housing all analytical equipment in one location simplifies maintenance and reduces site risks

Fascinating facts:

- ABB's main customers for its pre-assembled systems include: Alstom, BNFL, Bristol Water, British Sugar, Kvaerner and ABB companies worldwide
- There is a system built by Stonehouse in almost every part of the world! Systems have been exported to the USA, Mexico, Australia, China, Thailand, Canada, Korea, the Middle East, Hungary, Poland and Brazil - to name but a few!
- ABB can offer its system assemblies in skid-mounted or trailer mounted designs where customers need a portable water quality monitoring system

Did you know...

- ABB is the only systems integrator that can build a system totally comprised of its own analytical products
- ABB has been building pre-assembled systems for over 20 years
- ABB typically builds 10-12 systems each year
- ABB has built over 250 systems since 1987
- In the last three years, 88% of the system assemblies built at Stonehouse have been for the export market
- The systems take between 14-16 weeks to build
- The average cost of a pre-assembled system built by ABB is £50,000
- The largest pre-assembled system that ABB has supplied so far was 12 metres long. It cost £1m and went to the Guandong power plant in China
- Around 90% of ABB's pre-assembled systems are supplied to the power generation sector for Combined Cycle Gas Turbine (CCGT) applications