

A powerful cooperation helps to cool down a heated issue

Project Details

Client: RWE Power AG
Location: Ibbenbüren power station, Germany



Requirements:

With the increasing use of renewable energy sources such as wind and sun, existing power stations worldwide face the challenge of having to deal with power fluctuations due to the unpredictable nature of the elements. This situation puts a huge strain on existing boiler systems and often leads to thermal shock cracks, a high degree of wear and cracking in the steam pipelines in the reheater and the high pressure section of the boiler.

The problem can be effectively countered by the use of a modern desuperheater system. This does, however, involve working closely with and coordinating a number of specialist suppliers and their solutions to ensure the smooth running of the project. As with most power plants today, Ibbenbüren only has a limited amount of personnel, so planning the installation of a new, modern system was a daunting task. Another issue was the question of the legal accountability for a project involving more than one company.

Product Details

Supplier: TEC artec (as responsible party)
Product: Complete desuperheater system

Solution:

TEC artec of Germany, the global technology leader in the field of desuperheaters, took on the role of responsible party for the installation of an innovative process temperature control system in Ibbenbüren to replace the existing one. As manufacturer of the spray desuperheater itself and supplier of the complete process technology, TEC artec worked together with other professional partners to install the system, providing a much-needed interface for this important project. RWE Power AG benefited from having just one accountable contact person to coordinate the entire operation, and reports that it is delighted with this highly reliable comprehensive solution. The success of this and similar projects prompted the announcement of a unique international cooperation: Tec artec (desuperheaters/control units) is now working closely with Meeraner Dampfkesselbau (main pipes with thermal sleeves) and Hitachi Power Europe Service (piping engineering/on-site installation) to provide customers throughout the world with complete solutions in the field of boiler and process temperature control. Each of these companies is a leading player in its field and can act as coordinator and responsible party for the entire system.

RWE Power AG recommends any company planning similar projects to contact TEC artec or one of their cooperation partners.

For more information visit

www.tec-artec.com www.mdkb.de www.hitachi-power-service.com