

RWE's expertise in rehabilitation of power plants include:

Case study 1

Major refurbishment of two boilers and turbines – and substantial overhaul of six other units – returned Hazelwood, the 1,600MW coal-fired power station in Australia, to its full capacity: giving more scope to increase market share, better flexibility and a life expectancy of up to 40 years.

The nine-month fast track project was described as 'the country's most intense construction project'. Following refurbishment, the power station achieved a significant improvement in availability.



Hazelwood 1,600MW coal-fired power station, Australia

Case study 2

The rehabilitation of Kosovo power station unit B2 raised availability from under 30% to over 75%.

The rehabilitation of the station was the largest ever power station project founded by the European Agency for Reconstruction (EAR).



Kosovo B2 678MW coal-fired power station



Preparation of last stage LP blades at RWE's Ferrybridge workshops, UK



Weld refurbishment at our UK workshop

RWE Power International

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Plant Rehabilitation is one of a wide range of capabilities that RWE Power International can offer to the power and mining industries. For more information please contact us.



Restoring confidence

Tried and tested expertise in the rehabilitation of power plant



Power generation and mining experts



RWE Power International's specialist services cover every aspect of owning and operating power plant, from construction, commissioning, operations and maintenance, to eventual decommissioning. Our mining expertise covers minerals and solid fuels and spans exploration, development, operations and rehabilitation.

We have a great depth of operations and engineering knowledge and practical experience as an asset developer, owner and operator. As part of the RWE Group, we can call on the capabilities and resources of one of the world's leading multi-utility companies. We combine global reach with local understanding to provide innovative solutions that enhance the performance and profitability of any power generation or mining asset.

With clients in more than 70 countries around the world, our expertise spans the full range of electricity generation technologies, fuel sources including hard coal, lignite, oil, gas, nuclear, and mining methods.

A shared history of innovation

RWE Power International is a collaboration between two companies within the RWE Group, RWE Npower plc and RWE Power's consulting subsidiary, RE GmbH. We have a proud history of innovation, shared between RWE npower and RE. Our experience of transforming state-owned power utilities into commercially-focused private organisations was achieved by adopting cutting-edge, innovative operating and engineering solutions. Our mining services are based on more than 40 years of developing and running lignite mines, and include large-scale groundwater management, reclamation and environmental services.

Restoring confidence

RWE plant rehabilitation engineers are specialists in evaluating and upgrading generating plant to prolong asset life and improve performance. Collectively, we have many thousands of man-hours experience acquired in assessing and refurbishing our own plant portfolio and other power stations around the world.

Our expertise spans all types of equipment and all forms of fuel. We can give confidence to power plant operators and owners that the value of your assets will be restored to the most productive level appropriate to the business conditions in which you are operating.

Bringing plant up to optimum performance

With our wealth of hands-on experience in the evaluation and upgrading of plant, we can conduct a realistic assessment of plant condition, performance prospects and upgrade costs. Our proposals will take full account of budget, life expectancy, safety and environmental regulation.

Commercially viable solutions

Our engineering approach is informed by practical commercial awareness gained from operating in the world's most competitive energy markets.

We focus on the rehabilitation activities that will prove most beneficial in terms of overall plant performance and your business needs – balancing each component upgrade cost against output gains and long-term prospects for the plant as a whole.

'Best for purpose' equipment selection

Because we are free from ties to specific Original Equipment Manufacturers, we are able to select 'best for purpose' equipment and source components at the most competitive price. Where it is more economical – short and long-term – we will repair a component rather than replace it.

Back-up from our own repair and maintenance workshops

RWE has extensive plant repair and maintenance resources to support our own generating operations; these are available to support rehabilitation projects for all our clients.

RWE workshops at Ferrybridge, UK cover 8,400m² and are fully equipped to overhaul steam turbines of up to 660MW.

Proven project management skills, drawing on local resources

We have worked on rehabilitation projects on five continents. This global experience can be exploited to benefit your rehabilitation.

Our project management teams are skilled in involving existing employees and local suppliers in the rehabilitation process. We commit to using locally available resources and materials as much as possible.

A credible business partner

We have successfully carried out projects financed or underwritten by major international lenders and international agencies including the World Bank, European Bank for Reconstruction, European Agency for Reconstruction, and the United Nations.

We are comfortable working within the disciplines they impose, including quality and environmental standards. RWE is a credible partner in any rehabilitation project, acknowledged by international banks and respected for the integrity of our business processes.

Developing a more highly skilled workforce

Well trained and qualified staff are crucial to the safe commercial operation of any asset. We offer comprehensive training services to help ensure optimum returns on the investment in new and upgraded equipment. Training can be delivered on-site and at our specialist centre in the UK and Germany, ensuring your staff have access to the very latest practices.