RWE has established an effective asset management environment using real and near real-time integration of operational, maintenance and commercial data to optimise operations and maintenance of their own and clients’ power plant assets. Case studies include:

**Case study 1**
RWE performed an information systems risk assessment project for the 1,200MW of fired tuber power plant in Pakistan.
Based on the current plant needs, business strategy and KPIs this study identified specific technology, application and organisational changes which made the stations information technology investments match their needs.

One benefit was the exploitation of operational data to maximise income and meet the conformance criteria of the Power Purchase Agreement.

**Case study 2**
RWE has supplied and installed the software for an Electronic Dispatch Logging (EDL), declaration and compliance monitoring system installed at several power and desalination plants in Abu Dhabi, UAE.
EDL enables each plant to balance water and power production through operational controls and compliance to support security of supply.

**Case study 3**
14GW of power generation plant in the UK rely on the RWE designed PRISM integrated work management systems.
PRISM systems guide maintenance at the 4,000MW Drax power station, the largest coal-fired power station in Western Europe.

**Case study 4**
RWE’s Electronic Dispatch and Logging (EDL) and Integrated Load Management (ILM) applications ensured that a North American utility maximised its trading potential, while remaining adaptable to the changing market requirements.
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 RWE. Our transformation of 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.

Real-time advantage for asset management

RWE information system technologies create a quantum shift in the data available in real-time to make key operating decisions. They create the potential for new levels of flexibility, reliability and efficiency in effective asset management. With these information and technology solutions, supported by our expertise in their application across all types of plant assets, we can help you operate more competitively and more profitably.

Designing an information management strategy for power generation

We have a rich pool of experience in developing appropriate strategies for individual power plants or portfolio operations, managing the programme of change and implementation that turn systems into results.

We can conduct strategic reviews of current information systems and identify solutions that align best to the specific drivers of your business. Our engineers will design and implement change programmes that engage the staff who will be using the new information management system technologies, adding value to the process through the transfer of expertise.

Flexible plant more effectively

RWE Operational Information Systems, based on OSIsoft Inc., provide ‘real-time’ guidance on optimising the balance between engineering risk and reward when operating your plant flexibly.

RWE’s Information Management System (ILM) provides the tool to track compliance using algorithms that reflect the compliance rules. It leverages production output against contract requirements and assists the operator in managing production efficiently.

Creating a more dynamic work culture

Our Integrated Load Management System (ILM) provides the foundation for better understanding the data available in real-time to make key operating decisions. To whoever needs it, creating a dynamic work environment encourages a spirit of innovation among staff at all levels - further accelerating progress.

Creating a more-dynamic work culture

Under constant pressure to reduce costs, operators have to be confident that their spend on maintenance is targeted effectively and integrated optimally with general plant operation. PRISM is a maintenance management system developed by RWE to create greater guidelines and contract management practice with significant savings in time and money.

The system can be adapted to the specific needs of any plant and ensure the life cycle of faults and prevent maintenance, including management of tools, analysis and budgets.

Real-time advantage for asset management

One of the most profound effects of sophisticated information systems is the access they can give to information for staff at all levels. Plant engineers and energy traders can exchange and use the same information in real-time. The integration of the plant control and desk and networks with the business information system technologies creates a quantum shift in the data available in real-time to make key operating decisions.