

REFERENCE CASE CHEMICAL PLANT



Energy audit identifies cost savings at chlorine production plant

PCC Rokita required an experienced partner to provide an energy audit at their chlorine production plant to explore cost and energy reductions through the implementation of new technology. That's why they turned to TÜV Rheinland.

Initial situation and requirements

PCC Rokita, part of the PCC SE Group, is one of the leading chemical companies in Poland. The company wanted to reduce costs and eliminate mercury from the exploitation process at their chlorine production installation in Brzeg Dolny, Poland. PCC Rokita required an energy audit to investigate the level of cost and energy savings that could be made by using new production technology.

Basic facts

Client	PCC Rokita SA, Chemical Production Company
Timeframe	May 2011 - June 2011
Project location	Brzeg Dolny, Poland
Main services	<ul style="list-style-type: none">▪ Energy audit▪ Analysis of the existing facility and production processes▪ Analysis of modernization options
Involved regulations/standards	<ul style="list-style-type: none">▪ National Fund for Environmental Protection Regulations▪ Water Management Regulations

Solutions, results

As a leading provider of energy audit services for the industrial sector, TÜV Rheinland was the preferred choice for PCC Rokita.

We provided extensive analysis of the existing chlorine production installation and production processes. We then provided detailed analysis and options for the potential modernization of the facility. We helped PCC to explore a new production technology, identifying the energy, environmental and economic benefits that would result from implementation.

We also defined the monitoring criteria for energy consumption to help the company improve energy efficiency and adhere to all relevant regulations.

Benefits for the client

TÜV Rheinland helped PCC Rokita to:

- Explore ways of reducing the high costs and inefficiencies at their chlorine production installation.
- Analyze the existing facility and production processes and contrast with potential modernization options.
- Investigate the energy, environmental and economic benefits that new production technology could bring.

About TÜV Rheinland:

Founded 140 years ago, TÜV Rheinland is a global leader in independent inspection services, ensuring quality and safety for people, the environment, and technology in nearly all aspects of life.

We inspect technical equipment, products and services, oversee projects and help to shape processes for companies around the world. Since 2006 we have been a member of the United Nations Global Compact to promote sustainability and combat corruption.

With extensive experience in the industrial sector across the globe, we can help you to protect the environment, reduce costs, and enhance your corporate image by developing climate protection strategies and setting up energy-efficient structures. We can measure, certify and provide advice on emissions, noise and sound insulation, and help you meet your obligations for all applicable standards and regulations.

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Did you know?

PCC Rokita produces more than 400 products used by the plastics, cosmetics, household, chemicals, industrial, construction and textile industries.