

REFERENCE CASE REFINERY



Energy Management Services in Accordance with ISO 50001 for Serbian Oil Group

A prominent Serbian oil company needed support in achieving energy management certification in accordance with the requirements of the ISO 50001 standard to increase energy efficiency, reduce energy costs and improve energy performance. That is why they turned to TÜV Rheinland.

Basic Facts	
Client	Serbian oil company
Timeframe	February 2013 - March 2014
Project location	Serbia
Main services	<ul style="list-style-type: none">▪ Energy planning▪ Energy review▪ Monitoring, measurement and analysis▪ Documentation▪ Training and consulting services
Involved regulations/standards	ISO 50001 standard

Initial situation and requirements

The ISO 50001 standard is intended to provide organizations with a recognized framework for integrating energy performance into their management practices. Multinational organizations have access to a single, harmonized standard for implementation across the organization with a logical and consistent methodology for identifying and implementing improvements.

The energy management system (EnMS) allows integration with other existing organizational management systems such as environmental, quality, health and safety.

Solutions, results

One of the main benefits of implementing an energy management system is improving energy performance through the rational planning of energy consumption. Increased energy efficiency can help to reduce cost and increase company profitability.

To obtain the ISO 50001:2011 certificate, our experts carried out “in-situ” energy express inspection to analyse consumption and energy losses and to identify energy saving opportunities. Based on the initial state determination and the diagnostics of existing EnMs, our expert team created an action plan to manage company energy policy as well as integrate the new energy management system and other management systems already in place.

During the 12-month project, TÜV Rheinland provided extensive training and consulting services. Project activities included an introductory seminar presenting the general concept and basic requirements of ISO 50001 to top managers as well as training of NIS EnMS internal auditors to be able to perform internal EnMS audits in accordance with the techniques and methods related to the ISO 50001 standard.

Thanks to comprehensive EnMS services, the company successfully achieved certification of its energy management system in accordance with the international ISO 50001:2011 standard.

Did you know?

Achieving ISO 50001 certification significantly improved market competitiveness for the Serbian oil company, as it became one of the first oil companies in the country with an energy management system certified according to the ISO 50001:2011 standard.

Benefits for the client

TÜV Rheinland provided the Serbian oil company with:

- [Energy management certification services based on our extensive service network and knowledge of key energy management policies and regulations.](#)
- [Energy management plan to control energy use and costs.](#)
- [Analysis of energy consumption and losses.](#)
- [Assistance in evaluating and prioritizing the implementation of new energy-efficient technologies.](#)

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About TÜV Rheinland:

Founded more than 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.

Energy efficiency in industry is mostly achieved by changing how energy is managed, rather than by installing new technologies. TÜV Rheinland can help your company adhere to an energy management standard by integrating energy efficiency into existing industrial or commercial management systems.

Our experts are well versed in the ISO 50001 energy management standard and can help you with energy management standard certification, so your organization can make significant gains in energy efficiency.