



Environmental Performance Improvement / Energy Efficiency

Helping buildings comply with energy efficiency laws while cutting costs

BUSINESS CHALLENGE

The Kyoto Protocol and recent EU directives are imposing new obligations on building and facility owners everywhere, in order to promote energy efficient buildings which can boost productivity, keep workplaces healthy, and have a more positive impact on the environment. Designing or retrofitting buildings to be energy-efficient can result in substantial reductions in operating costs, energy consumption and emissions of harmful greenhouse gases which contribute to climate change. However, to achieve energy efficiency in buildings, expert advice and assistance is essential.



SOLUTION

What is Environmental Performance Improvement?

This service provides clients with an energy diagnosis of their buildings and facilities, in order to find ways to reduce consumption of gas and electricity. Calculating a building's energy performance involves studying aspects such as thermal insulation, heating systems, air conditioning, natural ventilation, passive lighting and heating from the sun. In addition to helping clients make substantial savings in energy and operating costs, this service also enables them to comply with new European regulations. In the European Union, standards have already been drawn up and are being adapted by national authorities, mainly in the form of mandatory energy efficiency regulations.

What are the key benefits?

- Reduce energy consumption in buildings;
- Identify opportunities for cost savings;
- Minimize impact of the company operations on the environment;
- Reduce environmental liability;
- Improve operational efficiency.

WHY CHOOSE BUREAU VERITAS ?

Recognition ■ Founded in 1828, Bureau Veritas is a worldwide leader specialized in QHSE and social responsibility services. Certified to ISO 9001 for all of its activities throughout the world, Bureau Veritas has been an Energy Star program partner since 2002. The company actively participates with professional authorities for the development of international standards and regulations.

Knowledge and Expertise ■ Technical knowledge and availability of our qualified local teams, able to provide packaged and targeted information, are strengths appreciated by our clients.

Network ■ With a network of 700 offices and laboratories and over 26,000 employees in more than 140 countries, Bureau Veritas serves 280,000 customers in many different industries across the world.

Personalized service ■ Bureau Veritas adapts its services to your needs and helps you identify your legal environmental obligations.

RELATED SERVICES

In addition to Environmental Performance Improvement/Energy Efficiency, Bureau Veritas offers a wide range of related services.

- Environmental Assessment & Studies
- ISO 14001 Certification
- Environmental Assessment - BREEAM
- Air Quality & Emission Management
- HSE Management
- Training
- Greenhouse Gas Verification & Consulting



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Move Forward with Confidence

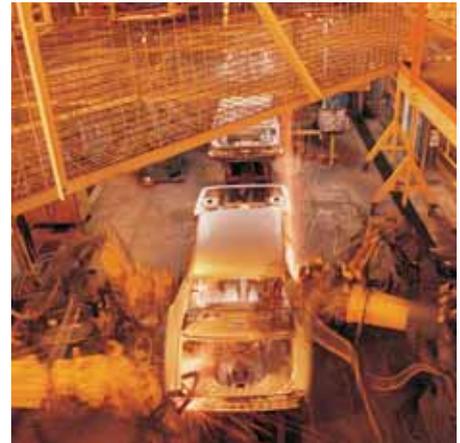
OUR APPROACH

Bureau Veritas offers you practical assistance to reduce energy output and site expenses. Our approach involves carrying out a three-stage energy audit of buildings to find feasible energy-saving solutions.

First stage: On-site diagnosis and identification of potential areas for improvement.

Second stage: Feasibility studies including detailed technical, economic and environmental analysis of the solution proposed before the investment decision is made.

Third stage: Follow-up assignments. These are essential on large industrial sites to validate actions undertaken, calculate savings and maintain a high level of awareness among the personnel.



FAQ

What are the international standards for efficient use of energy?

Countries that signed the Kyoto Protocol are required to use less oil, gas and coal in order to reduce the greenhouse gases emission. The EU Directive 2002/91/EC on the energy performance of buildings came into force in January 2006. It was incorporated by all EU Members' national legislations and complies with Kyoto targets. The Directive ensures that building standards across Europe place a high emphasis on minimizing energy consumption.

What is the Energy Performance Certificate?

The EU Directive on energy performance of buildings will affect nearly all EU citizens. The most visible change it has brought to European energy issues is the Energy Performance Certificate. This certificate is required whenever apartments, houses and buildings are sold or rented. The European Union has allowed three years (from January 2006) for each Member State to implement this part of the Directive. The certificate must also be issued when a new building is constructed. Large public buildings are required to display their Energy Performance Certificate publicly.

CLIENT REFERENCES

Bureau Veritas has earned the confidence of many significant clients including:

- Air France
- Carrefour Shanghai
- Coca Cola
- Crédit Agricole
- EDF
- Essilor
- GDF
- SEB
- SNCF

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