



**BUREAU
VERITAS**

Bureau Veritas **Services**

SUSTAINABLE PLANT PERFORMANCE OPTIMISATION

Ensuring on-going efficiency of production plants and people

SERVICES

- Integrated sustainable plant performance solution
- Plant recovery/optimisation
- Water treatment plant evaluations and optimisation
- Cooling system analyses
- Heat exchanger analyses, performance and availability optimisation
- Project management
- Bulk materials handling reliability studies
- Process effectiveness reviews
- Thermal-hydraulic and process modelling
- Development of plant and process evaluation tools
- Remaining life assessment (RLA)
- Maintenance philosophy reviews and optimisation
- Independent incident investigation

BUSINESS CHALLENGE

In the current age, the production and manufacturing industries write down production losses to old plants, ineffective and inefficient plants and processes, design inefficiencies, lack of maintenance or poor quality of work. Other contributors factors that influence workplace productivity include low workforce morale, poor knowledge transfer due to a silo culture and/or a high staff turnover, lack of knowledge, practical technical skills and management skills, to name a few. It is critical to identify and remedy the root cause for a downturn in performance, restoring productivity to designed levels and ensuring the longevity of the business.



SOLUTIONS

Bureau Veritas has a team of engineers and business consultants that provides customers with consulting services and customised plant performance optimisation solutions that help to unlock the potential within companies to change their status quo. These services examine productivity and efficiency issues from a technical and a human perspective, using modelling, tools, root cause analyses techniques, etc. together with training, mentoring, skills transfer and coaching techniques. All of these form part of the main building blocks to drive production and to improve the plant and organisational performance.

Our multi-disciplinary team focuses on:

- Training and mentoring;
- Quality of work investigations;
- Inspection reports;

- Data analysis;
- Root cause analyses;
- Technical specification writing;
- Scope of work definition;
- Technology research for innovative solutions;
- Project management;
- Business consulting.
- Unlocking human resource potential;
- Time management;
- Conflict resolution;
- Skills gap analysis;
- Driving the human energy in a team;
- Goal setting;
- Performance management; and
- Innovation.



APPROACH

Customer partnerships are at the core of Bureau Veritas. The entire plant performance optimisation process is built on a trusting relationship with our client. We apply a holistic, formal approach to plant performance, taking the people, processes and technology aspects of production into account. A small, customised, multi-skilled team is deployed to work inside the client's organisation for a pre-determined period that typically runs over two years. Our team focuses on solving the biggest operational pain points by developing a customised solution in conjunction with the client. The team helps to drive the process internally using a structured project plan that is supported by both formal and informal internal communication. The combination of specialised, technical skills and non-technical, "human energy drivers" work in unison to empower the client to deliver the change that will result in enhanced, sustainable productivity.



The technical input and on-going technical skills transfer together with the application of tailored coaching and consulting help to ensure the long-term efficiency of plants in an environment where people and technical challenges have impacted negatively on performance. Performance is improved sustainably by focusing on key individuals and teams, changing the behaviour of the employees, integrating problem solving into daily operations, and shifting the culture of the operational teams to achieve continuous improvement.

KEY BENEFITS

Companies that experience optimal plant performance over the long-term are not only able to ensure accurate performance forecasts and planning, but they can optimise cost and time efficiencies, as well as deliver on promises to their stakeholders.

Other benefits include:

- Increased productivity at an acceptable cost;
- Enhanced safety performance;
- Improved workforce morale;
- Improved market reputation; and
- Delivery of value.

RELATED SERVICES

- Asset integrity management
- Plant component detail design
- Draughting services
- Design review

INDUSTRIES

- Energy
- Oil and gas
- Nuclear
- Production
- Mining
- Water treatment

WHY BUREAU VERITAS

Established in 1828, Bureau Veritas is a global leader in testing, inspection and certification (TIC), delivering high quality services to help clients meet the growing challenges of quality, safety, environmental protection and social responsibility. As a trusted partner, Bureau Veritas offers innovative solutions that go beyond simple compliance with regulations and standards, reducing risk, improving performance and promoting sustainable development.

Bureau Veritas' core values include integrity and ethics, impartial counsel and validation, client focus and safety at work. The company is recognised and accredited by major national and international organisations.

CONTACT

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FOR MORE INFORMATION

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