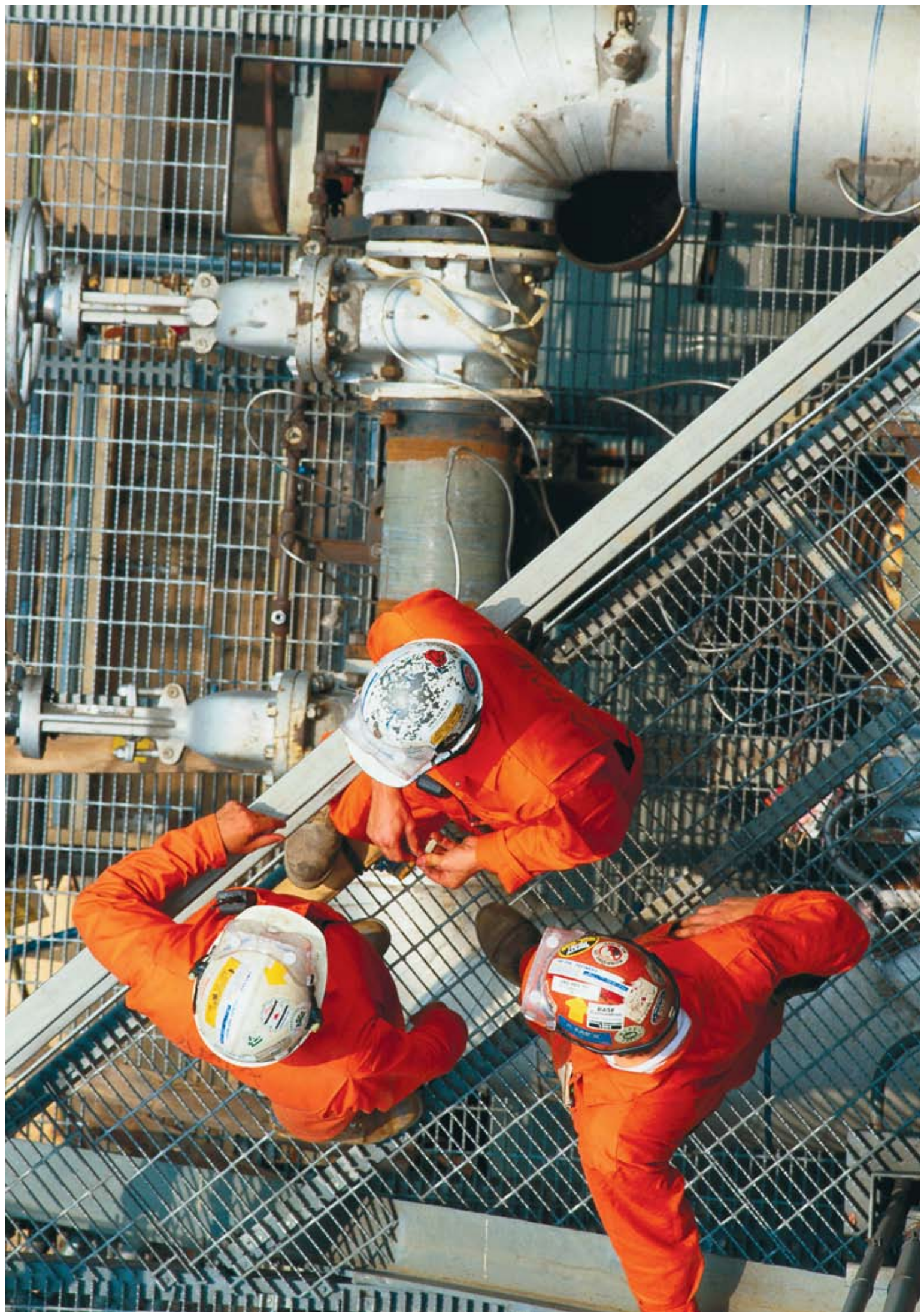


WORLD CLASS
INTEGRATED
OPERATIONS
FOR THE OIL &
GAS INDUSTRY

baze[®]
Technology





BAZEFIELD IS A COMPLETE FACT BASED OPERATIONS MANAGEMENT SOFTWARE (OMS) FOR RUNNING OFFSHORE OPERATIONS



Based on nearly two decades of development of fact based operations management software (OMS) for the oil & gas and process industry, Baze Technology is proud to present a complete fact based OMS system for the oil and gas sector.

In cooperation with the petroleum technology consultancy PTG, Baze Technology has developed a fully replicated, multi-way interactive system containing all modules needed for safe and efficient remotely operated oil and gas installations, both producing and drilling. The system includes all you need to run oil and gas operations offshore in collaboration with onshore support teams – all combined in one coherent package.

ENSURING OPTIMAL DELIVERY FOR AKER FPSOs

Effective operations and decision making when running complex operations offshore put heavy emphasis on robustness, effectiveness and flexibility in choice of solution. In addition it needs to handle data transfer over low capacity satellite links.

The system provides the framework and structure for bringing correct information to the right people, ensures structured decision making and that all decisions and actions are traceable. By assigning privileges and mandates to roles, the system assures that the right people get the correct information. By assigning mandates to arenas the system assures that the decision making process is structured, results in actions that are tied to roles and that everything is traceable.

Making people collaborate is the key to any successful operation. The solution offers an extremely user friendly portal with state of the art functionality for collaboration. When using any part of the system, any user may share their applications with other users and allow the others access to their session. Of course, the users will also be seeing and hearing each other through the integrated video conferencing.

"ABO aims at being a world class performer within operation, maintenance and reservoir management for our FPSO's.

Our goal is to attain high uptime and efficiency in our fleet and we meet these goals only by having effective tools for collaboration between our support centre in Brevik and the vessels. We are a strong believer in collaboration and Baze Technology supplied the best solution"

Gard Madsen,
CEO Aker Borgestad Operations



EXTREMELY USER-FRIENDLY INTERFACE

To lower the barrier of collaboration much effort has been put into making BazeField easy to use with intuitive workflow. Care has been taken to include all user groups and to make it easy to understand and use, with a minimum of training. This is especially important when operating globally with several nationalities and cultural backgrounds on board the vessels or installations.

FULLY REDUNDANT PIMS ONBOARD THE VESSEL, REAL-TIME REPLICATED TO SHORE

BazeField contains a full scale data historian system (PIMS), proven from several installations in the oil and gas industry. This means that all I/O values, tags, statuses etc. are stored and made available for calculations, trending and exporting and replicated over the satellite link to the onshore installation.

COLLABORATION THROUGH VOICE, VIDEO AND DESKTOP SHARING

The system contains powerful tools for collaboration on technical issues, training or meetings. Share desktop for guidance from colleague. Show and enrich technical issues and descriptions to resources elsewhere, being colleague, onshore staff, owner or supplier.

ROLE BASED INFORMATION STREAM

BazeField feed each role in a team with the necessary information to keep each subprocess in control on an individual level.

FULL SIZE, STATE OF THE ART, HSEQ MODULE

All incidents, near incidents, quality deviations, proposals and similar cases will be reported, handled and made available for analysis.

COMPLETE SYSTEM FOR DECISION TRACKING AND HISTORY

LOG FOR VITAL COMPONENTS, WELLS AND PROPOSALS

This ensures that no history is lost, neither between shifts or handovers. Each action is given a responsible role (department or person), is stored, communicated and made available for history. The solution embraces all the offshore and onshore teams (management, financial, operations, maintenance, catering and marine).

A NOVEL DESIGNED MEETING MANAGER

The meeting manager supports your physical or virtual team meetings. It helps to plan, organize, conduct and store all formal meetings with a colleague, onshore support team, Oil Company/contractor or externals. All parties can collaborate in a standardized meeting, share the information, view the actions and contribute. All parties can take over mouse and keyboard action in order to give remote help and support to achieve faster and better decisions. All relevant information is easily accessed during the meeting, actions decided on are made into tasks directly and a résumé of the meeting is automatically created.

CALCULATION AND REPORTING

Synthetic values can be calculated, aggregated and analysed. Through this module, all aggregated and automatically calculated data are handled. Standardised reports for shift handovers, morning meetings, and production reports, KPI reports etc. are available and may also be easily adapted and expanded by the customer himself. New reports are easily configurable when needed. All data may of course be reallocated and recalculated according to inspections and calibrations.

PROCESS VIEWS AND TRENDING OF DATA

A state of the art module for graphical trending and exporting of all data found in the database is part of the solution. This also includes a highly user friendly tool for generating process views (HMIs) and dashboards.

All your needs with respect to Platform/Vessel information, subsea and reservoir data will be found and flow assurance aspects will be solvable within the system.

NO LESS THAN THE PREFERRED SYSTEM

EMBRACING ALL ASPECTS OF OPERATIONS

The scalability and flexibility of the system fully supports changes in existing work processes in order to achieve improved understanding at work and better decisions. This means that maintenance, production, management and marine support to each of the vessels are performed in the most optimum and cost effective manner.

All production values are acquired, automatically or by manually daily/shift input or through reporting systems. Meaningful values are then aggregated, calculated, grouped, and fed to the right role as reports, trends, daily work lists and so on. Each stakeholder is thus served with reports and views to enable real-time decision support. All stakeholders in an onshore-offshore operation can with this system easily stay on top of any situation whether you are an owner, operator, partner, supplier or employee.

The system provides a single entry point for all needed information, whether being an operator company itself or an individual process engineer. In order to ensure that the solutions are being used, and requested by its users, the solution is made extremely intuitive in its navigation and surprisingly good in its functionality. The modules are designed for touch screen presentation/navigation, when available.



PTG



The Petroleum Technology Group (PTG) consists of several companies delivering competence, technology and services within the oil and gas industry. The group was founded in 2001 and has been involved in design, planning and operational support or supervision for more than 100 wells in the North Sea. PTG provides highly qualified professional personnel with an average of 18 years industry experience.

PTG supplies consulting, engineering and operational services within the following disciplines: Reservoir engineering; Production technology; Well intervention; Drilling; Completion technology; Subsea Engineering; Well Testing; Process Modeling and Process Control. PTG offers a unique combination of skills that enables us to cover all the activities required for identifying targets, calculating costs and revenue streams for both planning purposes as well as execution of oil and gas operations.

AKER BORGESTAD OPERATIONS



Aker Borgestad Operations was established in July 2006 for the purpose of operating Floating Production, Storage and Offloading vessels (FPSOs) for Aker Floating Production and the oil companies they contract these vessels to. Our first FPSO, the Aker SMART 1, is contracted to the Indian oil company Reliance Industries Ltd. and will operate off the east coast of India.

Aker Borgestad Operations (ABO) is owned by Aker Floating Production (50 %), the shipping company Aktieselskabet Borgestad (45 %) and Aker Yards Brevik (5 %). The company headquarters are located in Brevik, on the southern coast of Norway.

With one foot in the maritime and the other in the offshore industry, ABO combines the best of both worlds. We pride ourselves on being efficient, flexible and safety conscious. ABO's targeted markets are oil fields in the equatorial belt. We believe this is where the future of oil exploration and production lies.

Among the qualities that make ABO outstanding in the field is our use of standardised and modularised technology, as well as our multi-skilled crew. ABO's state of the art real-time collaboration system BazeField allows tight cooperation between our onshore and offshore organisations. For our clients, ABO is an element in an Aker total concept. This provides a one-stop shop, with services from exploration to drilling, subsea systems, production and processing.

BAZE TECHNOLOGY

Production enterprises are facing new challenges in managing their operations. As their organizations become more complex, global, decentralized and outsourced – the need for control, integration and collaboration increases.

Baze Technology is the leading provider of fact based operations management software (OMS) for production enterprises.

The software is uniquely integrated into the organization, always creating the best basis for making the right decisions and the most effective collaboration. In addition our web based technology allows for the most flexible, complete and renewable system.

Baze Technology has provided several groundbreaking solutions that have been successfully implemented in industry and energy enterprises.

www.bazetechnology.com

It's all connected

