

CMMS for Oil & Gas

Computerized maintenance management system for oil & gas facilities
Ensure safe operations and optimize asset utilization

There is probably no industry in the world where flawless and reliable performance is as important as it is in the oil & gas industry. A large part of the economy is directly dependent on it, and if delivery contracts are not fulfilled, contract penalties for oil & gas companies are severe. In case of an oil & gas-related accident, the human, economic and ecological repercussions quickly become catastrophic.

In short: Failure is not an option and a state-of-the-art maintenance solution is needed to optimize asset utilization and ensure flawless operations.

Atos CMMS for Oil & Gas is the computerized solution for oil and gas facilities that complements the various SCADA (Supervisory Control and Data Acquisition) systems by managing your assets & services in order to keep them operating safely and economically throughout their entire lifecycle.

CMMS for Oil & Gas coordinates the scheduled and preventive maintenance of oil and gas-specific assets, such as rigs, pipelines and movable equipment like mud pumps and it manages and maintains IT-related assets like servers, cables and power grids. In a blink, CMMS for Oil & Gas delivers a transparent end-to-end view of the entire facility infrastructure and optimizes asset performance, controls maintenance costs and complies with local regulations.

At its core, CMMS for Oil & Gas manages all of your physical and logical assets. It features a powerful provisioning solution to integrate new applications, such as sensors and meters, into your network, and includes an intelligent fault and performance management to ensure that your network-related infrastructure functions perfectly. Finally, it includes a cutting-edge mobile client, making sure that all maintenance activities that have to be performed manually are executed efficiently and effectively.



CMMS for Oil & Gas is based on a comprehensive suite of products that has a proven track record of successful management of networks and assets in a complex and heterogeneous environment in a variety of industries. On the basis of our highly-scalable modular concept your maintenance strategy can be aligned to your individual needs. The available maintenance solutions can be integrated and only the missing components need to be launched.

CMMS for Oil & Gas - intelligent, secure and reliable

- Up to 97% reduction of alarms
- Up to 70% reduction of personnel costs in the operations center
- Up to 60% cost savings from using mobile agents
- In one case, discovery of 40,000 free network resources, resulting in savings of €1,000,000

Results achieved in international projects

Asset information management – stay in control of your facility

Integrated asset information management that tracks and actively manages all your physical and logical resources is at the core of CMMS for Oil & Gas. It is essential throughout the entire lifecycle of your facility, from planning and construction to operations and maintenance, making sure that you are always in full control of all ongoing activities.

Asset information management provides documentation of all your assets and your entire stock. It makes your processes more efficient by correlating interworking assets to establish an end-to-end view of the entire value chain. To optimize maintenance it manages spare parts and suggests preventive procedures based on sophisticated prediction tools. Finally, it documents the entire lifecycle of your assets, allowing you to track all related activities as well as to identify recurring problems in order to take the right counteractive measures.

Fault and performance management – prevent accidents

The state-of-the-art fault and performance management of CMMS for Oil & Gas monitors networks, services and connected infrastructure, such as pipes or oil tanks, in real-time.

It is an umbrella management solution (multi-vendor, multi-technology and multi-domain) that joins and correlates information from SCADA systems as well as from other sources. It is highly scalable and can monitor up to thousands of elements simultaneously.

To prevent faults it analyzes trends and proactively increases the service quality of your network and its connected physical and virtual applications. If a problem occurs, it detects faults through filtering, correlation and root cause analysis. It automatically sends the relevant alarms right away, including suggestions on how to fix the problem, and it generates trouble tickets.

Provisioning – integrate new applications quickly

CMMS for Oil & Gas simplifies and streamlines communications between your network and connected applications. It automates the majority of complex tasks that happen behind the scenes in your network and significantly speeds up the integration of new applications.

Thus, if you install a new meter on a pipeline, it is automatically integrated into your IT infrastructure and placed within the right logical context. As a result, CMMS for Oil & Gas not only improves your operational efficiency, it also makes your facility safer and more effective because new services work smoothly right from the start.

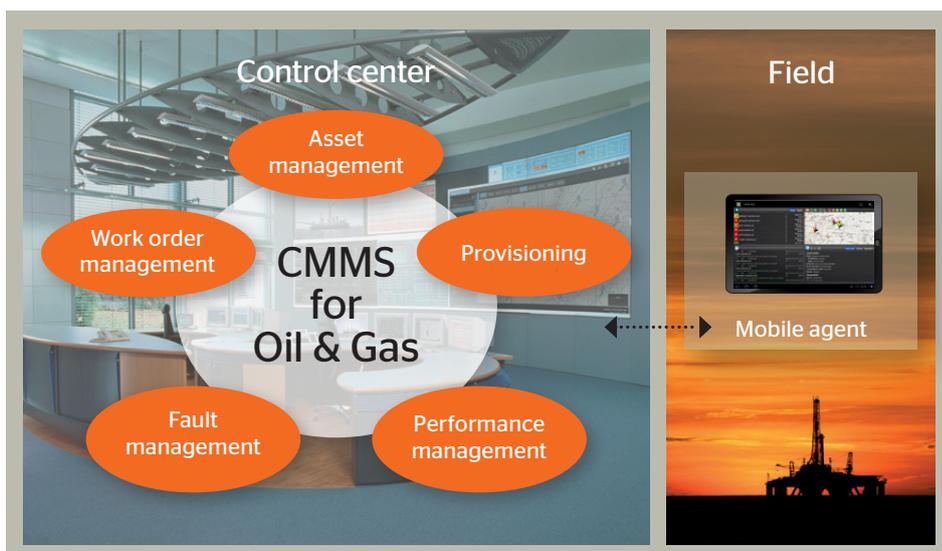
siriOSS® cPort – automatically synchronize work processes

siriOSS® cPort is an open native mobile client. On the one hand, it constitutes a framework with an open architecture to integrate all CMMS tools and synchronize their work processes. On the other hand, it offers access to the arbitrary real-time information from several CMMS tools on multiple data screens.

For example, used as a mobile agent for your workforce, it connects your engineers in the field to your operations center. It ensures that all work activities are synchronized and that all stakeholders have access to the same up-to-date information – any time and at any place.

Utilizing siriOSS® cPort's intuitive touch-based graphical user interface, field service engineers receive a list of all assigned jobs and can access all the data they need to best accomplish their duties. On the other hand, they use the reporting tools to communicate progress, provide scans of work status and send feedback. Based on this essential information, the operations center gets a real-time view of all field operations and can take appropriate measures whenever necessary.

Atos' CMMS for Oil & Gas is the solution for oil and gas facilities that manages and maintains assets and services in order to keep them operating safely and economically throughout their entire lifecycle. It delivers a transparent end-to-end view of your entire facility and it provides a variety of state-of-the-art features to optimize overall performance.



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