



SIEMENS

Ingenuity for life



COMOS – Making data work.

Software solutions for
efficient asset management

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Challenges for owner operators

Building new process plants requires significant capital investments on the part of the Owner-Operator. To protect its long term investment in plant assets and equipment, the operator must continuously find more efficient methods for reducing plant downtimes. Safe and fast information exchange between all disciplines involved is just as important for smooth plant operation as the consideration of maintenance and safety aspects. This represents a precondition for continuous production improvements and for the successful prevention of failures and accidents. Direct access to all important information is needed across all departments for unplanned and planned measures to ensure plant system availability. Plant operators have to document all data for the ongoing production process as well as the plant itself. The direct availability of up-to-date data and documents also plays a decisive role. Today, even the most critical plant systems are sometimes still documented in a paper-based manner, resulting in outdated

information and timeintensive data searches. This leads to incorrect decisions and unnecessary costs. In the worst-case scenario, this may result in unforeseen accidents.

Efficient system operation with COMOS

The COMOS product portfolio offers optimum software solutions for reliable and profitable system operation.

Efficiency through a common,
up-to-date database





Your advantages with COMOS

- Optimization of plant availability through a consistent data base at anytime
- Efficient planning, execution and analysis of maintenance activities
- Cost reduction of the entire plant lifecycle
- Higher safety and competence management through virtual training
- Support with regulatory requirements through always up-to-date plant and project documentation
- Mobile access to all plant information directly in the field

Professional plant management for efficient operation

The unified COMOS database system facilitates the management, planning and organization of operation and maintenance processes, including documentation. A unique advantage of the innovative COMOS software solution concept is the seamless transition and the consistent data flow between the COMOS engineering solutions and COMOS Operations. In this way, engineering and operation stay fully synchronized, and everyone involved in managing the plant always has the most up-to-date data. The data is available throughout the plant lifecycle, from process design to basic engineering to detail engineering, and in operation and modernization. Through the integration of COMOS and SIMATIC PCS 7 operating data can be used directly and

intelligent to implement condition-based maintenance strategies. With the Mobile Operations App, COMOS provides a mobile solution for the effective execution of maintenance orders and the management of fault messages. Information and documents can be accessed and changed directly from the field. Due to the consistent data exchange within COMOS, the as-is state and thus the digital twin of the system remain up-to-date at any time. A further lever for increasing plant availability is the shared use of COMOS and XHQ – Operations Intelligence.

Thus you can minimize downtimes and increase your competitiveness.

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Security information

In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial security concept. Siemens' products and solutions only form one element of such a concept. For more information about industrial security, please visit siemens.com/industrialsecurity.

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