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# COMOS Mobile Operations

Digital assistant for implementing maintenance orders and managing error reports

[siemens.com/mobile-maintenance](https://www.siemens.com/mobile-maintenance)

Modern maintenance strategies help decrease operating costs significantly. The desire to make maintenance as gentle on resources and as efficient as possible is not only a question of strategy. Just as important are integrated maintenance management and systematic implementation of maintenance orders. The COMOS Mobile Operations app gives maintenance personnel a digital assistant to help make the implementation of maintenance requests and management of error reports in systems as efficient as possible. The connection to the Asset Information Management System COMOS provides the user with data and documents to read and edit on site.

## Maintenance orders to go

The maintenance of process plants requires know-how and skill. The spectrum of work to be performed is enormous and erroneous applications can have severe consequences. COMOS Mobile Operations turns mobile devices into digital assistants for the maintenance team. The system displays user-specific information for all assigned tours with work packages and the contained work steps. Work pack-

ages with clearly defined tasks ensure that all activities are performed efficiently and safely. Materials and tools needed for the work are listed, as are necessary safety instructions. The well-organized interface takes the maintenance personnel through his work step by step and permits a direct status report – all work is documented without annoying additional work!

## Functional highlights

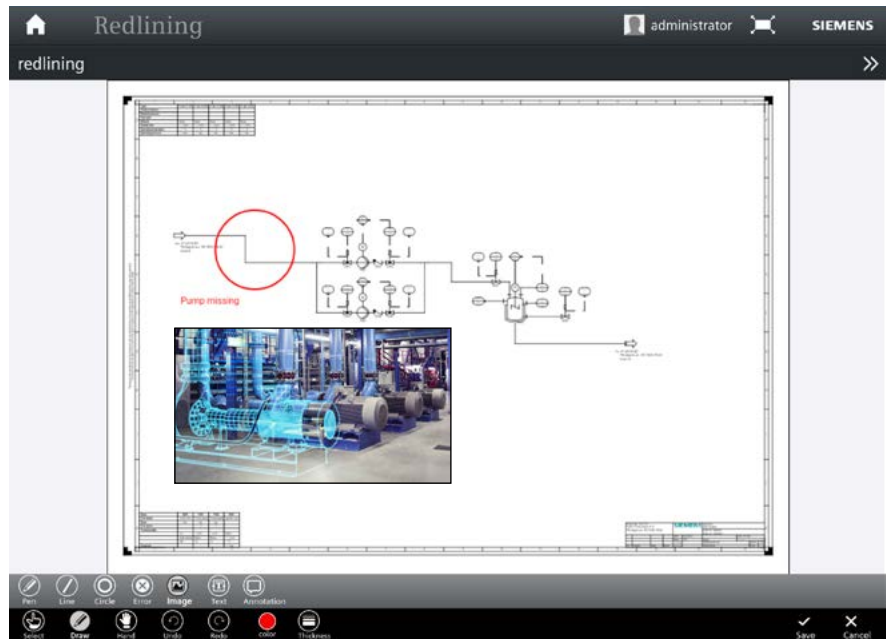
- intuitive and easy to use app for use on tablets and smartphones
- user-specific display of assigned work orders
- connection to the Asset Information Management System COMOS for bidirectional data exchange between central data base and mobile devices
- intelligent offline mode: fully functional even in environments without online connection
- multi-step security concept for secure use
- direct linking of images, videos, and sound recordings with objects
- comfortable identification of components via QR codes and RFID tags

### Redlining directly in the field

The app lets the user access data and documentation of the COMOS Asset Information Management System. For instance, he has access to P&IDs (piping and instrumentation diagrams) or circuit diagrams to read and redline directly. This makes it easy to acquire the actual as-is state of plants. Planning documentation can be updated quickly and easily via the tablet. This keeps the digital twin, the digital image of the plant, up to date. The COMOS Mobile Operations app gives its users a mobile solution for continuous and consistent digital data management into the field and back.

### Acquiring error reports

Unusual motor noises, vibrating pumps, strange odors – maintenance personnel use all their senses on their tours to collect impressions that can give them information about the state of assets. COMOS Mobile Operations lets you document such error reports with the push of a button. The events can be assigned to individual components with different urgency levels. Attaching images, videos, or sound recordings permits the workers to record the situation comfortably, with plenty of information, and on site. All information is passed on to the central data base for planning corresponding measures. The maintenance managers get a complete picture of the situation in the plant.



### Your benefits at a glance:

- Maintenance personnel can complete their work efficiently – including immediate documentation.
- Easy acquisition of error reports on site and automatic forwarding to central data base.
- Information and documents can be accessed and modified directly in the field.
- Continuous updating of plant documentation records the as-is state and thus keeps the digital twin up to date at all times.
- Feedback from the field is immediately available to all other COMOS users.
- Maintenance tours can be further optimized based on the feedback.

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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 <http://siemens.com/industrialsecurity>.