HxGN SDx® FIELD EXECUTION

As part of HxGN SDx's goal to digitally transform your asset lifecycle, HxGN SDx is available on premise, on cloud and now on mobile, enabling your front-line workers to access information even when there is no network connectivity. HxGN SDx Field Execution is an app designed specifically for field workers to access data on their mobile devices, supporting iOS, Android and Windows devices. HxGN SDx Field Execution allows you to carry all relevant information on a device to support mobile field verification. The mobile user can document discrepancies in the form of comment directly in the field, online or offline.

Most facilities are lacking reliable connectivity, and even if there is connectivity there will be areas with no signal, such as within vessels and tanks. Without offline capability, a field worker cannot benefit from the quality data in HxGN SDx! However, with offline capability, workers will have the ability to take documents and drawings offline onto a device and perform inspections, upload pictures, annotate drawings, make comments and capture information.

Work Package Management

In HxGN SDx Operations, ad hoc work packages are used for non-repetitive work. For example, a maintenance planner must manage a work package for a repair in the plant that was identified the night before. The work package in SDx will contain supporting information for the repairs. HxGN SDx Operations provides two types of work packages out of the box for repetitive work: maintenance and inspection.

As described above, work packages can be created to support tasks such as repairs. Typically, a work order is created in the CMMS system, such as SAP Plant Maintenance. The work order identifies which parties should complete which tasks as well as repair or replace equipment, for example. The workflow above describes an integrated process with the CMMS System.

SDx Field Execution allows users to access these work packages either online or offline in the field. For offline working, data and documents for work packages are downloaded to the mobile device. The work packages allow a plant worker to carry all relevant information on a device to support mobile field verification. Users can document discrepancies in the form of comments, simple annotations, audio notes, photographs or videos. When online access is available these can be uploaded back to SDx Operations for them to be generally available.

Work package management in context of asset information

- Navigable structure
- Work package content relationship (tags, models, assets, documents)
- Easily accessible via browser

Workflow management

- Support preparation for inspection/maintenance work packages
- Review and approval of work package content
- Ability to add comments to drawings and documents
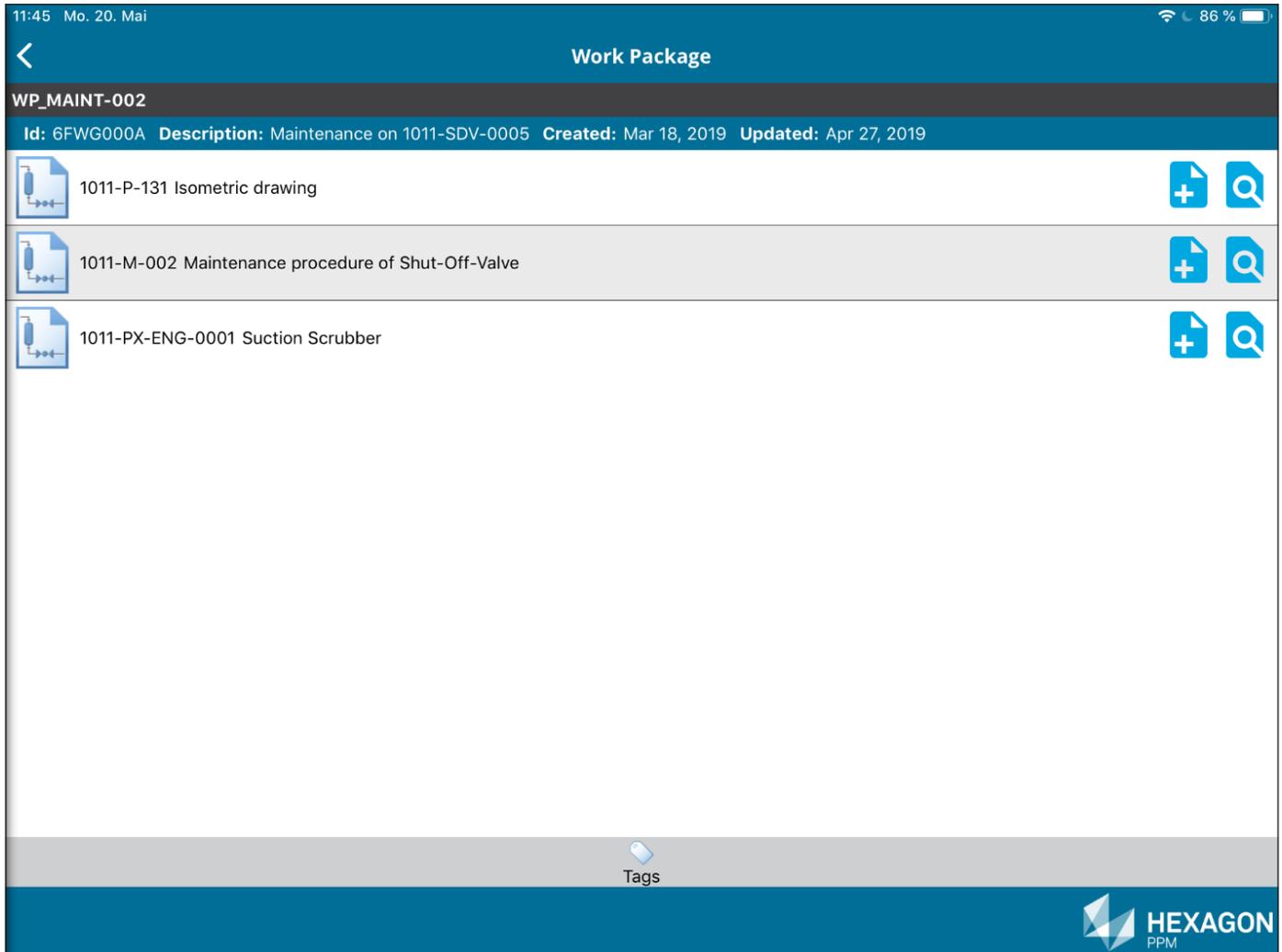- Work package specific markups and annotations

Role-based user access to work package

- Create or terminate
- Review and approve
- Print or download

View & mark-up

- View and mark-up work package content related comments and annotations
- Alternate rendition creation (PDF) to print out work package as a whole

ABOUT HEXAGON

Hexagon is a global leader in sensor, software and autonomous solutions. We are putting data to work to boost efficiency, productivity, and quality across industrial, manufacturing, infrastructure, safety, and mobility applications.

Our technologies are shaping urban and production ecosystems to become increasingly connected and autonomous — ensuring a scalable, sustainable future.

Hexagon's PPM division empowers its clients to transform unstructured information into a smart digital asset to visualize, build and manage structures and facilities of all complexities, ensuring safe and efficient operation throughout the entire lifecycle.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 20,000 employees in 50 countries and net sales of approximately 3.8bn EUR. Learn more at hexagon.com and follow us @HexagonAB.