

ENGINEERING INFORMATION ANYWHERE. ANYTIME.

HxGN SDx™ OPERATIONS

Digitally Transform Your Asset Lifecycle





In a survey of information management professionals in process industries, over half admitted to spending 20 percent or more of their total time finding and validating plant information. Some spent as much as 80 percent!”

Reliable asset information is essential to safe, efficient operations. Every person involved in operating and maintaining a facility needs ready access to trustworthy data to perform the job effectively, but reality is that most owner operators struggle to manage large volumes of technical documentation. These documents exist in multiple formats and are often duplicated throughout the organization. This lack of control leads to fragmentation and degradation of information integrity. And sometimes, it creates outright loss.

As a result, information is difficult to find when it is needed most – for shutdown planning, incident investigation, modifications, compliance audits, and facility startup. Incomplete, unreliable information exposes the owner operator to significant financial and safety risks.

HxGN SDx™ is a modular, cloud-based asset lifecycle information management (ALIM) solution that optimizes efficiency, improves profitability, and ensures safety throughout the facility lifecycle. A web-based, data-centric SaaS solution, SDx creates a trustworthy digital twin that is intelligently connected to your work processes. Compliant with the CFIHOS international standard, SDx leverages the data within the digital twin to provide value-added work processes covering the complete facility lifecycle, improving project and operational efficiency while reducing risk. It is interoperable with engineering design tools and other operations systems to ensure consistent, complete and correct engineering master data. It provides facility operators a vastly improved way of working.



TAKE CONTROL WITH HxGN SDx™ OPERATIONS

HxGN SDx™ Operations, a part of HxGN SDx, allows you to capture, organize, and link large volumes of facility information and provide web-based access to everyone who needs it. As a cloud service, SDx Operations can be adopted by any facility without introducing new software or investments in IT infrastructure.

It handles all types of documents – PDFs, AutoCAD, MicroStation, Intergraph Smart® formats ... even 3D models and laser scans! It takes advantage of linking the information that is available in intelligent formats, and it can even extract content from unintelligent formats like PDFs and image files that have been scanned from paper. All of this information is linked and made available to your facility personnel through an intuitive web portal. Searching for information is fast and simple. With the right information available to the right people at the right time, your personnel will be able to make better decisions, keeping your facility running smoothly, efficiently, and safely.

RAPID IMPLEMENTATION

We start with a two-day on-site workshop. Here, our experts work with your staff to review the current state of your data and documents to determine the best approach. A plan is developed for capturing and organizing your information.

Then, we load your engineering documentation into the cloud environment. You will receive immediate access to the system, so you, your local engineering partner, or your Hexagon PPM certified consultant can easily upload your information.

As information is loaded, SDx Operations examines, extracts, and validates document content. It also identifies duplicates and documents with multiple versions. When found, it's simple to compare data or graphics to identify the best master.

If you want your tags to be validated, the rules engine of SDx Operations can handle this task as well. Documents that have non-conforming tags are reported for correction.

After completing the first steps, we will show you what SDx Operations has done to make your existing information more intelligent and more accessible. In this workshop, we will jointly evaluate the results and make any necessary adjustments to the approach. This process is continued for each set of information as described in the agreed upon plan.



The SDx Operations service offering is scalable in size and content to fit your business and includes information security, disaster protection, and system performance monitoring.

Top Ten Reasons to use SDx Operations

1. Provides an intuitive, **single point of access** to all facility documents and data. Anywhere. Anytime.
2. Increases efficiency by **reducing the time and effort** required to find and validate engineering documents
3. **Improves data quality** and identifies incomplete and inconsistent information
4. **Eliminates laborious searching** with automated content discovery
5. Improves access to engineering information at a **lower service cost** and lower application maintenance cost
6. Offers a **cost-effective first step** in a wider asset digitalization program
7. **Avoids bad decisions** caused by reliance on incorrect information
8. Helps off-site access and team collaboration while **avoiding travel costs and hazards** associated with on-plant work
9. **Reduces risk and improves safety** by ensuring critical information is available during incidents
10. **Demonstrates regulatory compliance** with quick access to process safety and other critical asset information

LET'S GET STARTED

Hexagon PPM's SDx Operations allows you to grow at your own pace. Start with a very small slice of your facility and expand to other areas or units at the rate at which you and your facility staff are comfortable. When you are ready, move from simple information access to other work processes, such as management of change, non-conformity management, technical query management, document transmittals, and more. Read more at hexagonppm.com/go/sdxoperations and contact your PPM sales representative for more information.

“It's more than a few hundred thousand Euros you can save per year by using this software.”

Danny van der Krogt
Wintershall Nordzee

HxGN SDx™ is a modular, cloud-based asset lifecycle information management (ALIM) solution that digitizes facilities and leverages this digital twin to optimize efficiency, reliability, predictability and safety across the full lifecycle.

SDx is comprised of four independent, integrated modules that address the major lifecycle stages of an industrial facility. Each module provides work processes, roles and content tailored to address a specific phase of the facility lifecycle. Each module includes a comprehensive set of capabilities, with additional options that can be licensed as needed. The four modules are:

- **HxGN SDx Projects** - Enables asset information deliverable planning and review, ensuring effective information aggregation and collaborative project execution, improving project efficiency and reducing risk.
- **HxGN SDx Operations** - Ensures operations' efficiency, safety and regulatory compliance through templated work processes. Manages change and interoperability with other operations systems.
- **HxGN SDx Construction** *(release date TBD)* - Focuses on construction planning, optimization and 4D/5D reporting to deliver projects on-time and on-budget.
- **HxGN SDx Completions** *(release date TBD)* - Manages the planning and execution of mechanical completions, static and dynamic commissioning and project handover activities.

About Hexagon PPM

Hexagon PPM is part of Hexagon (Nasdaq Stockholm: HEXA B; hexagon.com), a leading global provider of information technology solutions that drive productivity and quality across geospatial and industrial landscapes.