



FREQUENTLY ASKED QUESTIONS

Octave InConcert

Overview

1.1 What is InConcert?

Octave InConcert (formerly HxGN SDx2) is Octave's next-level, cloud-native, Software-as-a-Service (SaaS) solution for excellence in engineering, operations and maintenance. By contextualizing, visualizing and enhancing work processes across the asset lifecycle, InConcert unlocks more intelligent and autonomous "digital projects" and "digital assets" for industrial and infrastructure portfolios.

1.2 Who will benefit from InConcert?

InConcert caters to organizations engaged in developing intricate industrial and infrastructure assets throughout their entire lifecycle. This encompasses activities from project planning, design, engineering and construction to asset operations and maintenance. InConcert is ideal for organizations looking to unlock unprecedented value within industrial facilities, capital projects, asset fleets and entire enterprises, such as:

- Contractor & Service Firms
- Asset Owners & Operators
- Joint Ventures

1.3 What is InConcert used for?

Enriching engineering information management work processes, InConcert advances a best-in-class collection of core capabilities by seamlessly connecting to our powerful digital backbone. It unites critical data to form a Digital Thread that drives transparency, efficiency, productivity and informed decision-making while reducing risk and costs.

InConcert debuts with solution areas in:

- Engineering Data & Information Management
- Asset Modelling & Visualization (i.e., Asset Digital Twin)
- Engineering Change Management
- Work Packaging
- Document Management & Document Control
- Design Review and Issue Management

Beyond traditional digital twins, InConcert and its powerful integrations give key stakeholders as well as data consumers across an organization real-time access to the contextual data flowing across the asset lifecycle. By reimagining "business as usual," InConcert is a positive, disruptive force, eliminating unnecessary work cycles and processes while making day-to-day tasks more efficient to complete.

1.4 How does InConcert relate to Octave's Smart Digital Reality vision?

Octave actively collaborates with customers to accelerate their digital transformation journey, working together towards creating a Smart Digital Reality – a virtual representation of physical assets, infused with real-time and time-series intelligence and context to automate processes and analytics, increasingly removing the need for human intervention. InConcert is the heart of Smart Digital Reality through which organizations achieve transformative improvements in safety, quality, efficiency and productivity.

1.5 What are some of the benefits gained by using InConcert?

InConcert excels at optimizing the performance of engineering projects and asset operations. The solution delivers efficiency, productivity, quality and safety while improving fiscal and environmental sustainability. It does this via unprecedented integration and contextualization of real-time data to drive optimal decision making, enhanced visualization to shorten schedules and reduce errors, and evergreen digital twins that significantly improve operational excellence. Other benefits include:

- Project cost & schedule reduction
- Improved engineering design quality
- Increased safety
- Immediate access to real-time data while reducing search time
- Operation efficiency
- Reduced maintenance costs

Technology

2.1 What are the main differences between InConcert and the prior version, InConcert Core (formerly HxGN SDx)?

InConcert is a modern, fully cloud-native solution equipped with new capabilities, including:

- A role-specific "single pane of glass" visualization of data and insights for faster decision making
- Advanced data take-on, leveraging artificial intelligence to automate tasks like tag extraction, making document creation and organization much more efficient
- An advanced integration engine that doesn't simply aggregate data, but adds contextualization so that asset information is easier to find and leverage for improved performance
- Continuous sharing of design tool data to reduce work cycles and increase visibility
- Enabling the creation and maintenance of evergreen digital twins, delivering persistent confidence in data quality and accuracy

2.2 What are the benefits of InConcert's cloud-native environment?

InConcert is multi-tenant, scalable and flexible, enabling it to leverage capabilities from huge investments by hyperscale cloud providers (e.g. Microsoft, AWS) not possible from on-premise solutions or traditional architectures. For example:

- Zero downtime for upgrades, benefiting 24-hour plant operations and globally distributed projects
- "Smartphone-style" upgrades meaning customers can immediately take advantage of regular, rolling innovations
- Accelerated and improved innovation, made possible by shifting resources to new capabilities and away from having to support and maintain multiple product versions
- Dynamically scaling architecture that provides a consistent user experience with dedicated resources
- Strong security supporting data segregation, data sovereignty and compliance.

2.3 What are InConcert's integration capabilities?

Integration and automated contextualization of data is central to InConcert's purpose. As such, integrations are now easily implemented, allowing organizations to continue to leverage the strength of their current investments. Examples of such InConcert integrations include:

- Octave solutions for design and engineering (e.g., Forte 3D (formerly Smart 3D), Facets P&ID (formerly Smart P&ID)) and enterprise asset management (Attune EAM (formerly HxGN EAM))
- Third-party design systems (e.g., Navisworks, IFC, E3D via S3D) whose data is treated the same as Octave's
- Third-party operational systems (e.g., SAP PM, IBM Maximo, Aveva PI System) to provide real-time data on asset performance
- Powerful Web API providing flexibility to connect with additional data sources

2.4 Will there be an on-premise version of InConcert?

No. Due to the new multi-tenant architecture, it will not be possible to host InConcert outside of HxGN Smart Cloud. That said, we will continue to offer and support the original InConcert Core for customers requiring on-premise solutions.

2.5 Will InConcert support multiple languages?

Yes, it will support English, Spanish, Portuguese, German and Chinese. Support for additional languages is planned for future releases.

Migration

3.1 Will Octave still support SmartPlant Foundation (SPF), SmartPlant Enterprise for Owner Operators (SPO) and InConcert Core?

Yes. Octave will continue supporting SPF/SPO and InConcert Core for existing projects and operations while devising solutions to help leverage your existing investments in these platforms should you decide to migrate to InConcert.

3.2 How do I migrate to InConcert from InConcert Core or SPO/SPF?

With continued growing interest from customers and the overall industry in pursuing SaaS solutions, we have made a concerted effort to address our clients' concerns around security, data locations, etc.

For InConcert Core, our intention is to provide a straightforward Octave-managed service to move to InConcert, inclusive of before and after health checks and efforts to ensure that any implemented extensibility remains intact. This will address any additional configuration required so that maximum value is leveraged from the migration. We expect migrations of existing systems may begin at the end of 2024.

For SPO/SPF, our data exchange capability is being refactored as a Windows service that will push information from the SPF/SPO integrated environment into InConcert. This SPF/SPO sharing service can run in parallel to ensure that customers can transition gradually.

Octave representatives are happy to work with you and explain the development roadmap so you may identify when there is sufficient value in its new capabilities to plan a transition to InConcert.

Next steps

4.1 How can I quantify the benefits of using InConcert when determining if it's a good fit for my business needs?

Octave offers a complementary service where we work with you to identify your most critical challenges and align them to the value InConcert delivers. The resulting business case can then be used to make informed decisions on what will best support your journey forward. Please contact us to learn more.

4.2 How can I learn more and stay informed about upcoming product-related information?

- Visit the InConcert product page on octave.com
- Subscribe to the Smart Digital Reality email list via our Subscription Management Center
- Download additional InConcert information from our Online Resource Center
- Contact your Octave representative or complete this form

About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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