OCTAVE
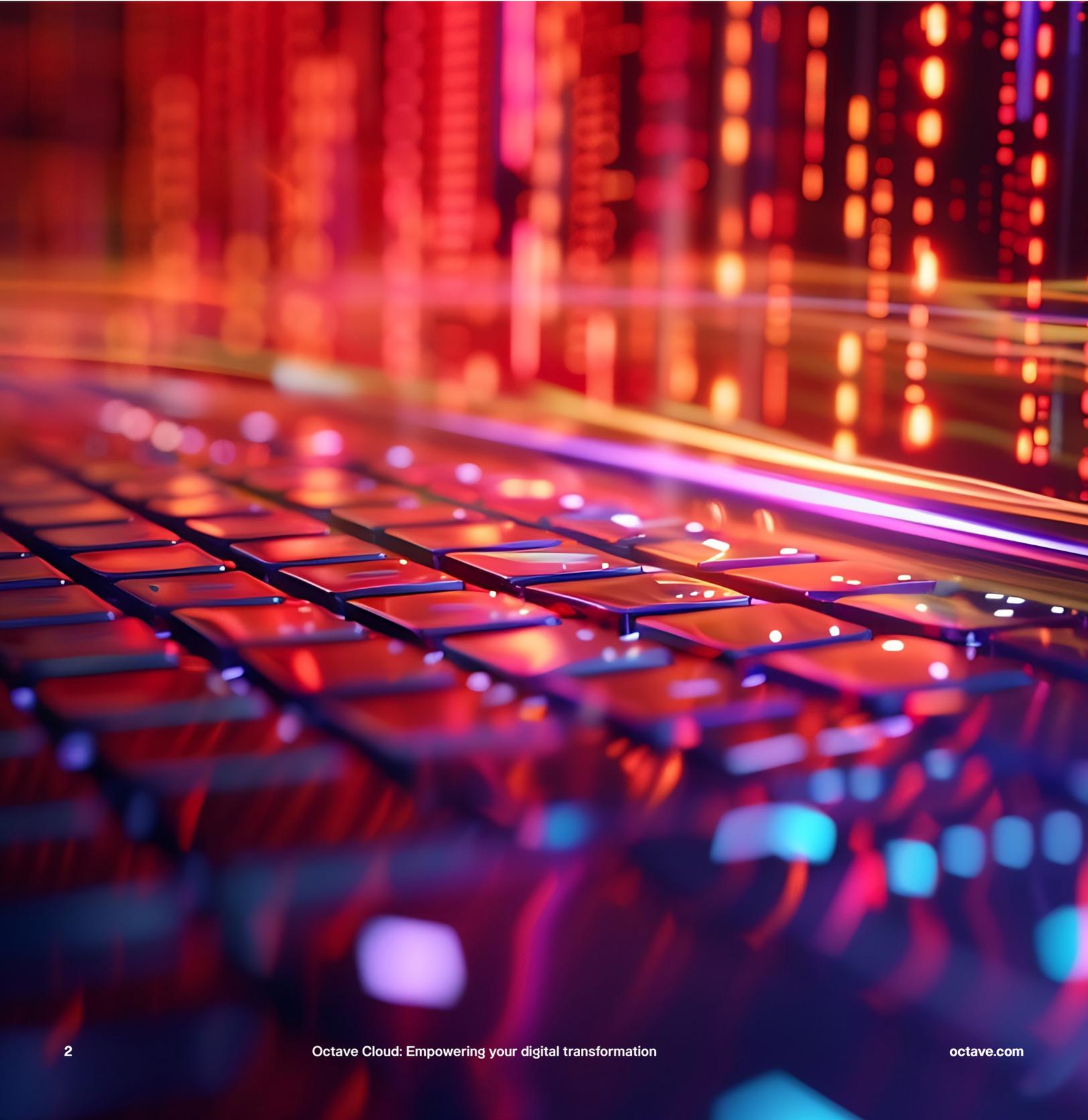
Empowering your digital transformation

Octave Cloud

Octave Cloud (formerly Intergraph Smart® Cloud) is Octave's Software as a Service (SaaS) platform for delivering our applications in a secure, reliable, and high-performance cloud environment.
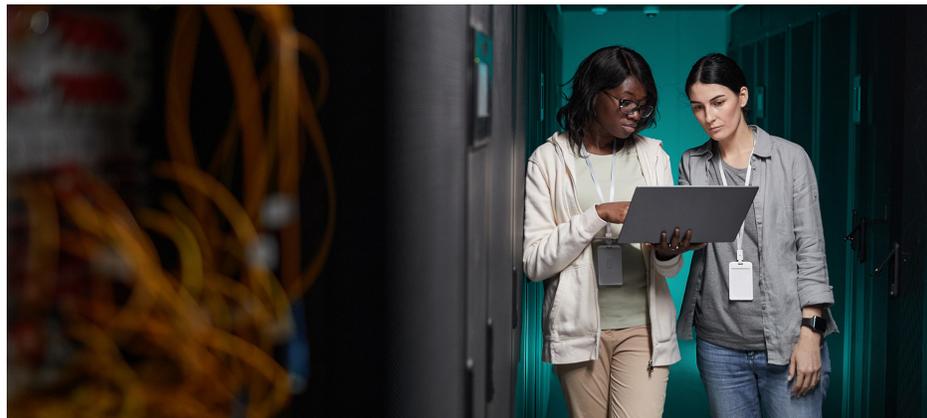
Octave Cloud enables consistency of project tools across the design and operational lifecycle helping teams meet schedule commitments and reduce handover costs, while ensuring higher quality and integrity of data. The Octave Cloud Portal provides an intuitive, role-based interface for users to access project applications and streamlines the management of cloud environments for administrator's continuous optimization. Coupled with 24x7 monitoring and support, Octave Cloud allows teams more time for added-value activities and enables data centralization for better analytics.

Current industry challenges

In today's rapidly changing market, expectations remain constant: deliver projects on schedule with high quality and consistency, collaborate effectively with partners and safely operate facilities while producing profitable outcomes. Despite the apparent simplicity of these goals, several factors continue to slow and complicate the project's lifecycle.

- Teams differ internally and externally among vendors, subcontractors and partners. This complicates communications and makes access to real-time project data problematic.
- IT tends to prioritize corporate initiatives rather than integrating tools and capabilities that would save on costs and enable faster project execution.
- Organizing data and documents from multiple sources adds time and pressure to resources and project schedules.
- Data security costs and the time spent securing on premise hardware, networks and user devices are growing at a pace few can keep up with.

In addition to these challenges, the majority of project risks, costs and delays occur during the handover process. A lack of clarity around required information, data organization, implemented tools and processes, and delivery methods contributes to at least 40 percent of projects missing their schedules. As the number and profitability of projects decline, organizations are increasingly focused on efficiency—driving design and operations teams to adopt cloud-based solutions more than ever before.

Octave Cloud: Empowering your digital transformation

octave.com

Octave Cloud has been entrusted with over $40 billion USD worth of projects in dozens of countries across multiple engineering and owner operator companies.

Welcome to the cloud

Octave Cloud eliminates these industry challenges by allowing customers to take advantage of the fundamental benefits our solutions offer. The resulting drawings, data and documents produced from these products are consistent and immediately accessible in a globally interconnected world of suppliers, vendors, fabricators, contractors and partners. In this cloud environment, the information handover process is not a single event, but rather an iterative process of information sharing throughout the entire engineering and construction process.

- For owner/operators, cloud-based projects offer several advantages over traditional implementations. Octave Cloud consolidates plant data into a single, secure location, and is available anytime – from anywhere. Having a consolidated environment enables one to review designs earlier, eliminating potential construction rework.

- Engineering contractors are expected to execute on schedule and produce consistent and high-quality deliverables. Design systems provide an increased level of intelligence for feeding procurement, construction and plant systems. Octave Cloud allows all partners to be more in-sync while maintaining strict safety requirements. Octave Cloud also enables consistency of project tools in FEED, detail design and operations to better meet schedules, reduce organization migration costs, ensure higher quality and integrity of data and ease the handover process.

Octave Cloud benefits

Security & Control

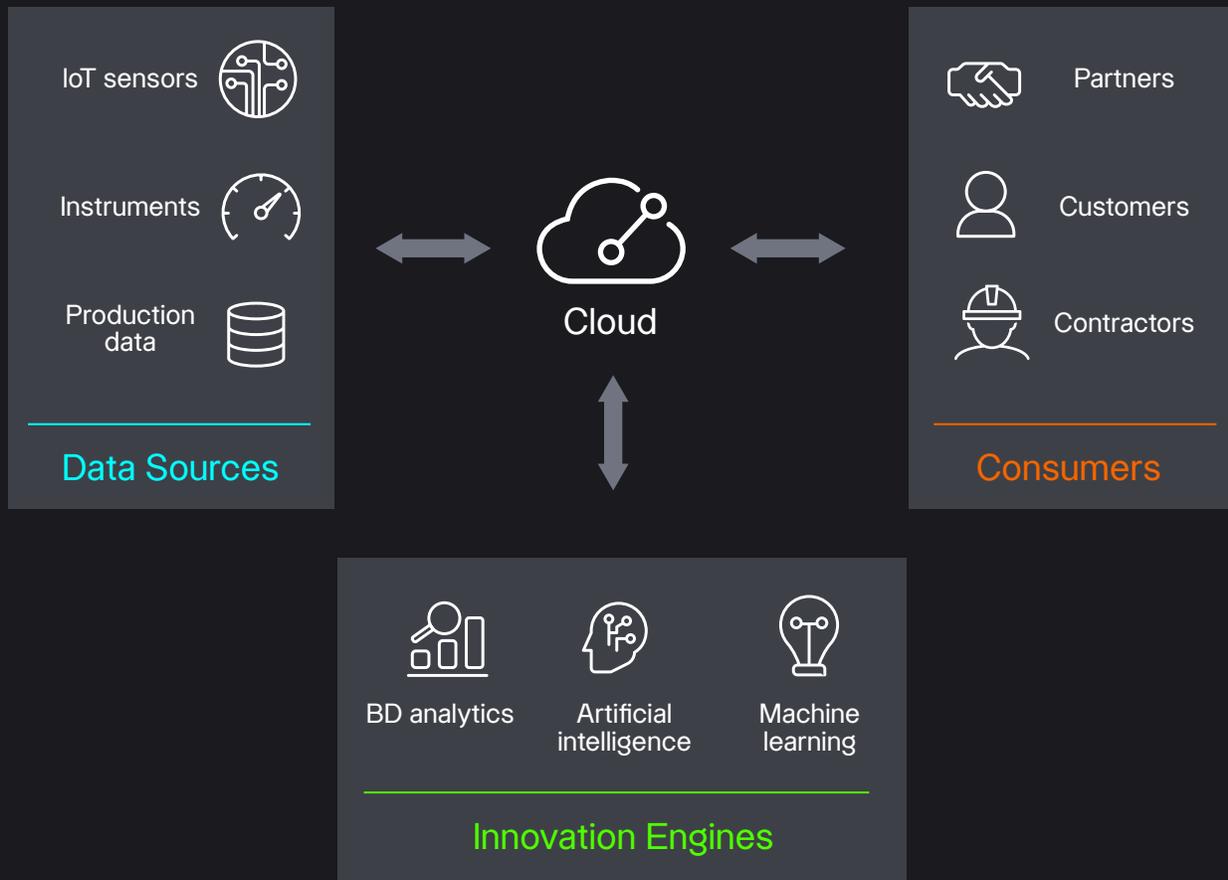**Data is secure and 100% yours.**

Outside hackers have traditionally been perceived as the biggest security threat. However, according to a study by Ernst & Young, 77 percent of security executives now consider a careless member of staff as their biggest security threat. When you include vendors, suppliers, contractors and partners, the risk grows. Octave understands you have intellectual property that needs protection. We provide this through our industry-leading commitment to ISO 27001 and SOC 1/SOC 2 compliance, two leading infosec standards for Cloud security involving formal auditing and certification by third-party resources.

We protect your data with strong user compliance and governance, in addition to daily off-site backups. To ensure all intellectual property stays secure, information can be segregated from access at various levels maintained by your internal departments.

Foundation for digital transformation

Your on-ramp to industry 4.0, IoT, Data Analytics, and Machine Learning.

One of the main reasons we built Octave Cloud was to provide customers with a solid foundation for their Digital Transformation initiatives. Octave Cloud is an industry-specific platform designed to offer applications and data in a centralized, scalable and secure environment. Having a holistic view of the enterprise enables organizations to drive new levels of efficiency through collaboration and higher levels of safety by ensuring that everyone has access to the critical data they need to safely perform their jobs.

Data Sources: IoT sensors, Instruments, Production data

Cloud

Consumers: Partners, Customers, Contractors

Innovation Engines: BD analytics, Artificial intelligence, Machine learning

Support & optimization

Continuous optimization and monitoring with 24/7 support.

Most companies assume adopting a cloud service will increase risk for their organization, partners and suppliers. To take the risk out of this transition, we provide a dedicated team of experts to guide you through the initial use of the Octave Cloud portal to put your team at ease, and to ensure your success.

Early implementation support identifies issues, shares best practices and removes barriers to adoption. Octave is your trusted partner to make your cloud implementation successful. Once you are up and running, we will maintain and monitor your global infrastructure. Regardless of the type of issue – network, hardware or software – our unparalleled Octave Cloud service team is available 24/7 to solve your problem.

Agility & flexibility

Faster start-up. Compressed schedules. Lower cost.

Project managers have told us it can take months to become fully operational, which is unacceptable. Additional provisioning for peak usage leads to idle resources and increased costs in both infrastructure and man-hours. Octave Cloud provides the agility to quickly start projects, compress schedules, and scale resources up or down as needed. It also enables organizations to leverage local expertise across multiple global offices. Octave Cloud is accessible from virtually any device with no changes to your IT infrastructure.
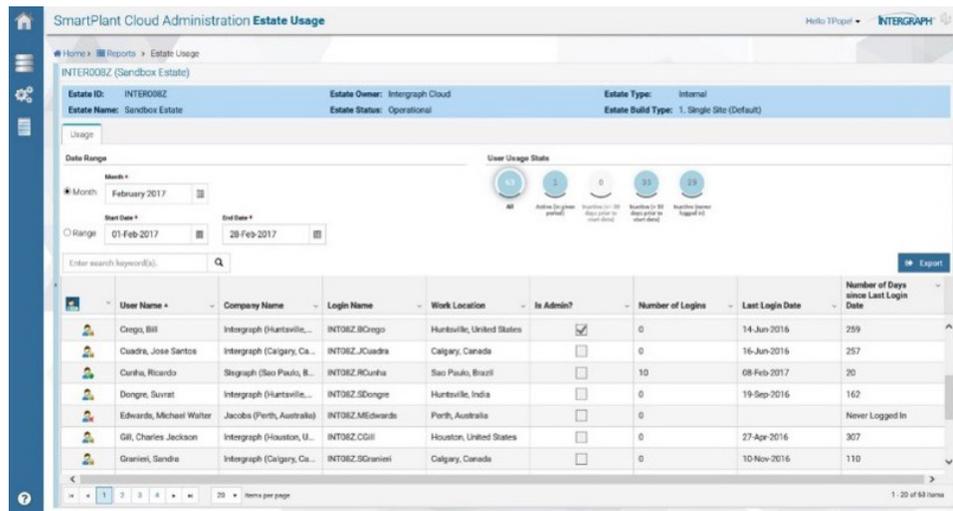
The Octave Cloud Portal

Octave Cloud Portal is a globally accessible intuitive user interface designed to ease navigation and streamline management of your Cloud environment that enables faster project startup, compressed schedules and cost savings.

- Real-time usage reporting
- Application access level control
- Self-service estate & user management
- Integrated support filing & tracking
- Monitoring & alerts

More than Software as a Service (SaaS):

Octave Cloud is more than just another cloud offering. Our platform is tailored to the architecture of Octave products and provides expertise for ongoing scaling and maintenance. With data centers located on multiple continents, our goal is to provide the optimal performance and reliability you expect.

Ask your account manager how Octave Cloud can deliver projects faster, cheaper, and with less risk.

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.