SOLUTION SHEET

Octave OnSite Production for pipe fabricators

Optimize your schedule and meet delivery deadlines

In the onshore, construction, mining, offshore and shipbuilding industries, you need production-proven solutions that will help you stay one step ahead of the competition. Octave Onsite Production (formerly Intergraph Smart Production Powered by NESTIX for Pipe Fabricators) offers powerful tools to provide support for not only the module and block production processes, but also for pipe shops, representing a unique single solution for the complete fabrication process.



Starting from all major design solutions and continuing through part production until completed spool, module and block assembly, Octave offers real-time data in a transparent view that covers time, material and available resources, allowing work preparation time reductions. Getting ahead and staying ahead of your competition requires your continuous improvement and support of lean manufacturing [digitally enabled lean: Industry 4.0].

Onsite Production enables the constant capture of your production knowledge to enhance project quality and increase productivity.

Why OnSite Production SSC?

Change management

With the data-centric approach, you can manage all changes to the production process consistently throughout.

Control production

Valuable insights are provided on work progress at any time by accessing real-time feedback from the shop floor machines and workstations.

Improve material utilization

By integrating inventory, actual usage and remnant management into the process, significant material optimization can be achieved.

"OnSite Production enables the constant capture of your production knowledge to enhance project quality and increase your productivity."

Advantages of software

OnSite Production solutions provide:

- Intelligent integration with engineering and design solutions that can lead to a significant reduction in time spent on work preparation
- Consistent and automatic management of change
- Smart backward and forward scheduling functionality resulting in an optimized shop floor
- A production schedule with individual work center instructions, thereby shortening through put times and improving resource utilization
- Improved material management through powerful nesting and remnant management
- Real-time interactions with resources, machines and work centers, and therefore up-to-date business intelligence information, such as availability to produce (materials) as well as capacity to produce (resources)



- Full weld management capabilities
- Full traceability of materials, logistics and production

Key features

Increase design/production visibility

Manually create or import data from 3D design systems as the basis; the system visualizes in detail real-time production status compared to plan.

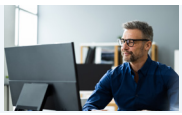
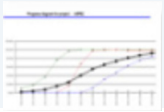
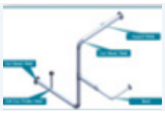
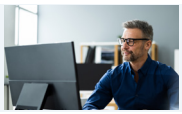
Efficient load balancing

Based on production routing and previously established estimates, Smart Production allows backward and forward scheduling based on available resources and capacity (load balancing) to allow the creation of an accurate work preparation plan.

Easy production scheduling

Just-in-time production scheduling is supported throughout the complete process, including spool and sub-spool assembly stages taking the part fabrication scheduling into account.

Smart fabrication process with OnSite Production

Sales			Calculate accurate quotations make production order
Spooling			Field welds olacement, detail supports, erection drawings
QA/DC documentation			QA documents preparation, report for status and progress, transmittals
Welding documentation			Populate weld data, welds docs, report welds and welders
Work preparation			Production routing, capacity planning part preparation, change management
Work management			Workshop sequencing and balancing and queueing work phases
Fabrication (shop floor)			Cutting, part fabrication spool and assembly production inspection and internal logistics
Delivery			Packing, dispatching, invoicing

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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