

Intergraph Smart[®] Production Enterprise Powered by NESTIX 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. Intergraph Smart® Production Enterprise 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, Hexagon's Asset Lifecycle Intelligence division solutions offer 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].

Smart Production Enterprise Powered by NESTIX enables the constant capture of your production knowledge to enhance project quality and increase productivity.

Why Intergraph Smart Production?

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.

Advantages of Software

Smart 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 throughput 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

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.

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



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Smart Fabrication Process with Smart Production Enterprise





About Hexagon

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

Our technologies are shaping production and people-related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's Asset Lifecycle Intelligence division helps clients design, construct, and operate more profitable, safe, and sustainable industrial facilities. We empower customers to unlock data, accelerate industrial project modernization and digital maturity, increase productivity, and move the sustainability needle.

Our technologies help produce actionable insights that enable better decision-making and intelligence across the asset lifecycle of industrial projects, leading to improvements in safety, quality, efficiency, and productivity, which contribute to Economic and Environmental Sustainability.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 23,000 employees in 50 countries and net sales of approximately 4.6bn USD. Learn more at [hexagon.com](https://www.hexagon.com) and follow us @HexagonAB