OPTIMIZE YOUR SCHEDULE AND MEET DELIVERY DEADLINES
INTERGRAPH SMART® PRODUCTION ENTERPRISE POWERED BY NESTIX FOR PIPE FABRICATORS
In the onshore, construction, mining, offshore, and shipbuilding industry, 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 PPM's Fabrication 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 your 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
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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 SMART PRODUCTION ENTERPRISE

- Calculate Accurate Quotations
- Make Production Order
- Field Welds Placement, Detail Supports, Erection Drawings
- QA Documents Preparation, Report for Status and Progress, Transmittals
- Populate Weld Data, Welds Docs, Report Welds and Welders
- Production Routing, Capacity Planning Part Preparation, Change Management
- Workshop Sequencing and Balancing and Queueing Work Phases
- Cutting, Part Fabrication Spool and Assembly Production Inspection and Internal Logistics
- Packing, Dispatching, Invoicing

ABOUT HEXAGON

Hexagon is a global leader in digital solutions that create Autonomous Connected Ecosystems (ACE). Our industry-specific solutions create smart digital realities that improve productivity and quality across manufacturing, infrastructure, safety and mobility applications.

Hexagon's PPM division empowers its clients to transform unstructured information into a smart digital asset to visualize, build and manage structures and facilities of all complexities, ensuring safe and efficient operation throughout the entire lifecycle.

Hexagon (Nasdaq Stockholm: HEXA B) has approximately 19,000 employees in 50 countries and net sales of approximately 3.5bn EUR. Learn more at hexagon.com and follow us @HexagonAB.