SOLUTION SHEET

OnSite Production for steel service centers

OnSite Production (formerly Intergraph Smart Production) for steel service centers (SSC) brings a bottom-up approach to control the full production process within steel service centers and mechanical engineering companies, based on Industry 4.0 concepts. With more than 400 customers, it's a proven solution that unifies sales, work preparation, fabrication and delivery, with load balancing for material and resources in a single integrated solution.



OnSite Production allows design import and handles schedule, material management and the machines on the shop floor. The result? The solution increases material and resource utilization, manages remnants, improves schedule and material flow and significantly reduces the work hours in work preparation .

OnSite Production SSC manages the complete steel service center production process from quotation through work planning, part production, packaging, delivery and final invoicing. Using real geometry, teams can generate fast, accurate quotesthat sharpen competitiveness. Customers typically see a 30% to 80% reduction in time, as well as improved profitability of orders. With the inclusion of nesting, material optimization algorithms and remnant management, material saving of 1% to 5% can be seen. This all contributes to keeping promised delivery dates and being viewed as an even more reliable partner.

Why OnSite Production SSC?

Control production

Access real-time feedback from shop floor machines and workstations to provide valuable insights on work progress at any given time.

Customer sales

Generate accurate quotes across all work phases, with reliable delivery timelines that convert directly into planned work orders..

Improve material utilization

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

Efficient load balancing

Based on production routing and estimates, OnSite Production supports back and forward scheduling based on available resources and capacity (load balancing) to allow the creation of an accurate work preparation.

Change management

Manage production changes consistently with a data-centric approach.

Invoicing

Invoices accurately detailing all the work can be created as documents when orders are released to production, allowing prompt payment.

Steel service center processes managed by OnSite Production SSC

Sales phases



- Import geometries and production data
- Select production chains
- Calculate accurate quotations

Work preparation



- Make internal production order
- Schedule production orders
- Work preparation
- Plate part nesting
- Profile optimization
- Guidance for shop floor
- Storage management

Fabrication



- Picking material from storage
- Cutting and sawing
- Part prefabrication: e.g. drilling, beveling, bending, blasting, painting
- Assembly, welding

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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