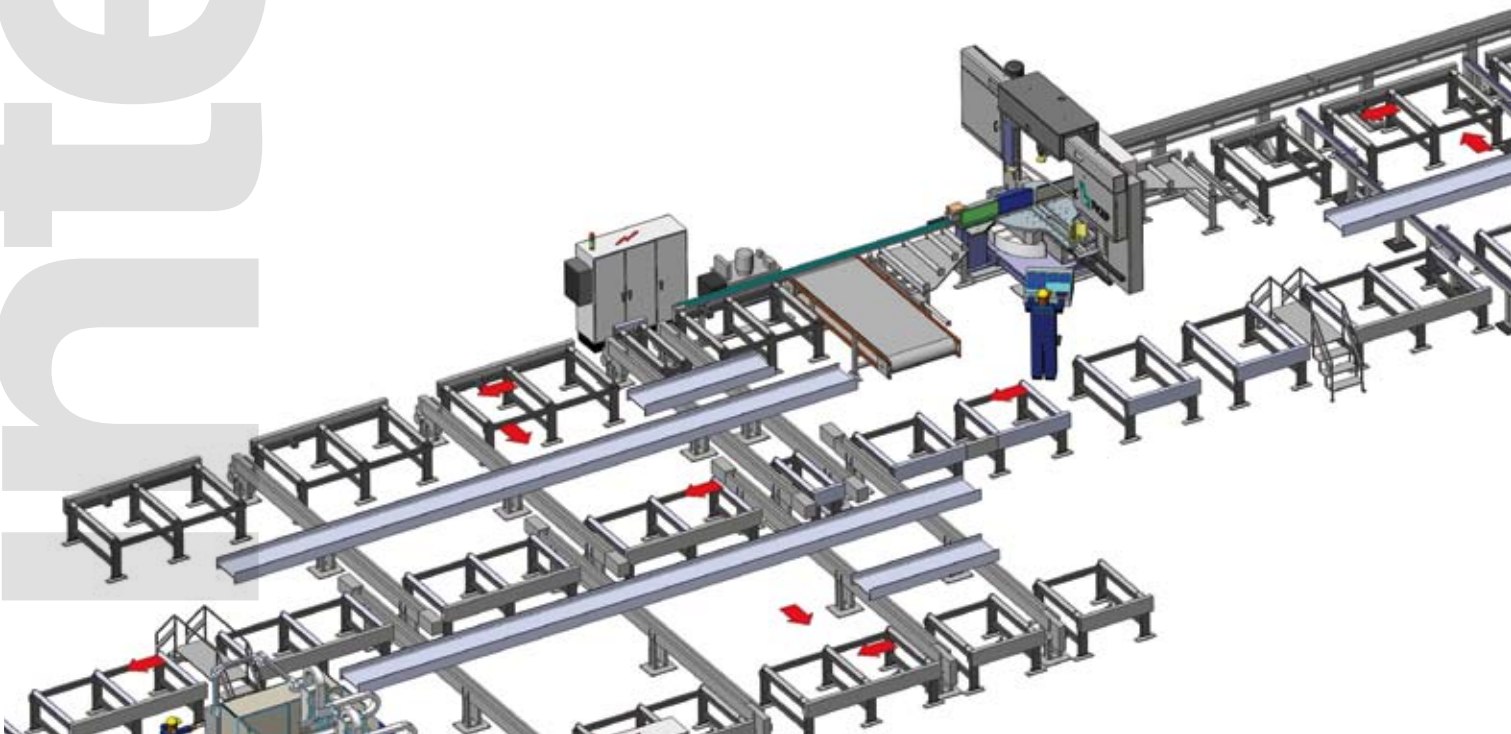


intelligent



intelligent fabrication



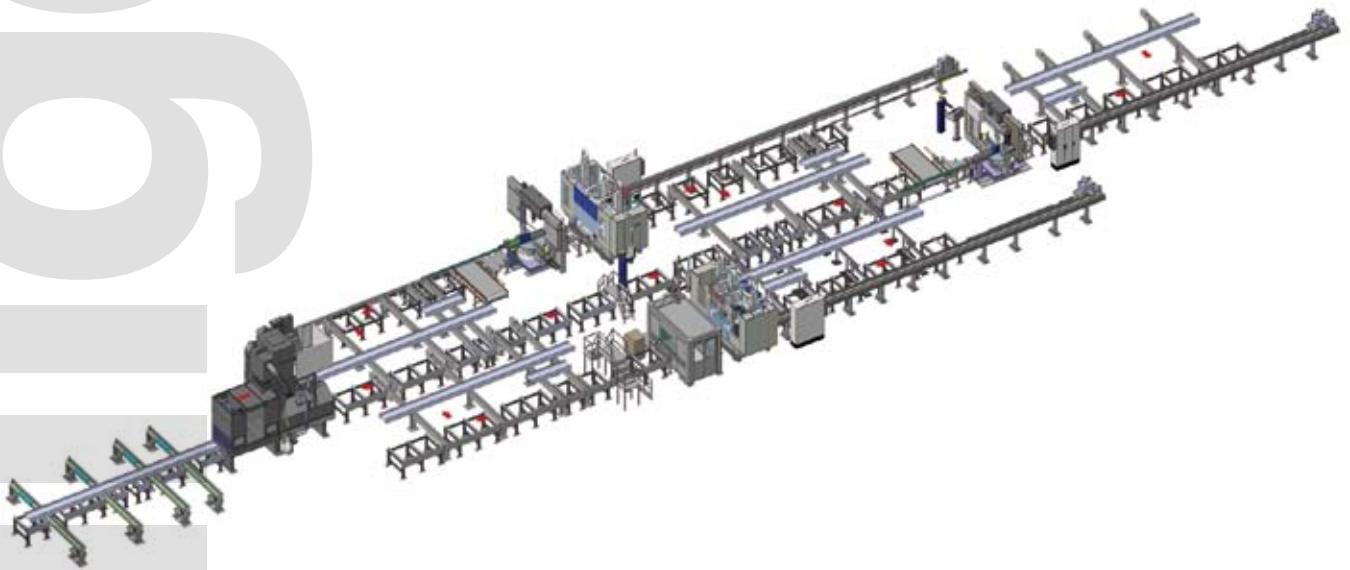
INTELLIGENCE IN FABRICATION

Enhanced automation for steel fabrication:

- Full automatic steel fabrication “BIM factories”
- Automation of the assembly phase (scribing, welding, surface treatment, material handling, etc.)
- Comprehensive solutions for planning and monitoring of production processes

Expanded information management solutions as the current standards cannot fulfill the needs:

- Assembly lifecycle management with full traceability
- Logically structured files with expanded information that can bring steel fabrication to be part of the BIM workflow.



FULL AUTOMATIC STEEL FABRICATION “FACTORIES” - HOW IT IS DONE?

Requirement management is very important to:

- Understanding the type of steel structures to be fabricated – studying the work history
- Current fabrication management models (processes, ERP, etc.)

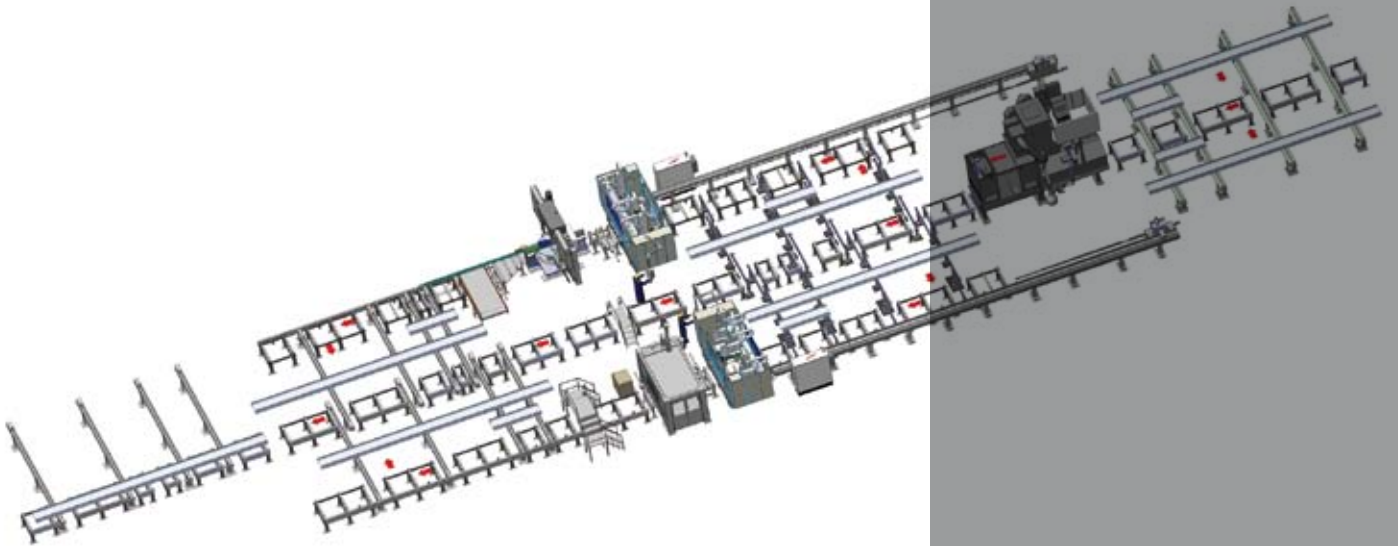
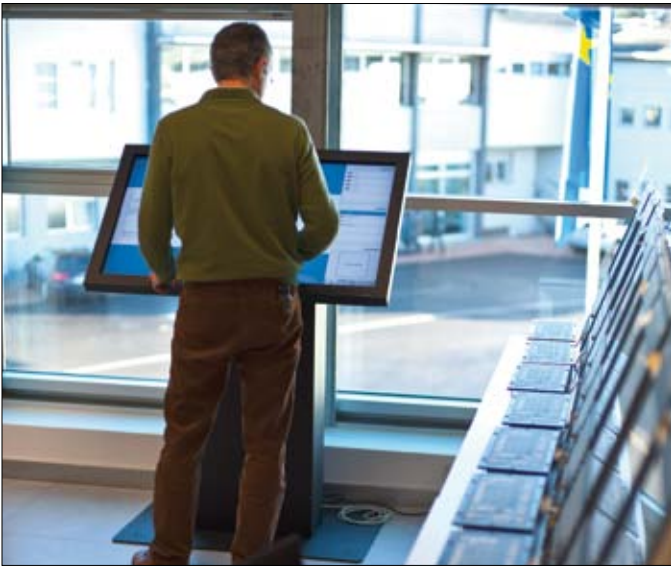
We have developed sophisticated software to analyze your effective production capacity based on each project’s requirements and different plant layout proposals. This way we can present the optimal plant layout solution for each customer.

FICEP is the world leading supplier of automatic systems for structural steel industry. We have designed and installed over 100 FULLY automatic systems of different configurations.

THE DEMAND FOR A NEW STANDARDS – IFC FOR FABRICATION

IFC (Industry Foundation Classes) is an open, neutral and standardized specification for Building Information Models, BIM. Up to now the IFC based workflows has been more common in the design processes.

To bring steel fabrication process to BIM workflow FICEP, Steel Projects, Tekla, HGG, AISC and BuildingSmart have been working together on the IFC for fabrication definition to benefit the whole industry. The knowledge put on to the project was based on the development of Tekla Open API applications developed to resolve the information needs from BIM models. The first meetings were held already in 2009 in Germany with BuildingSmart.





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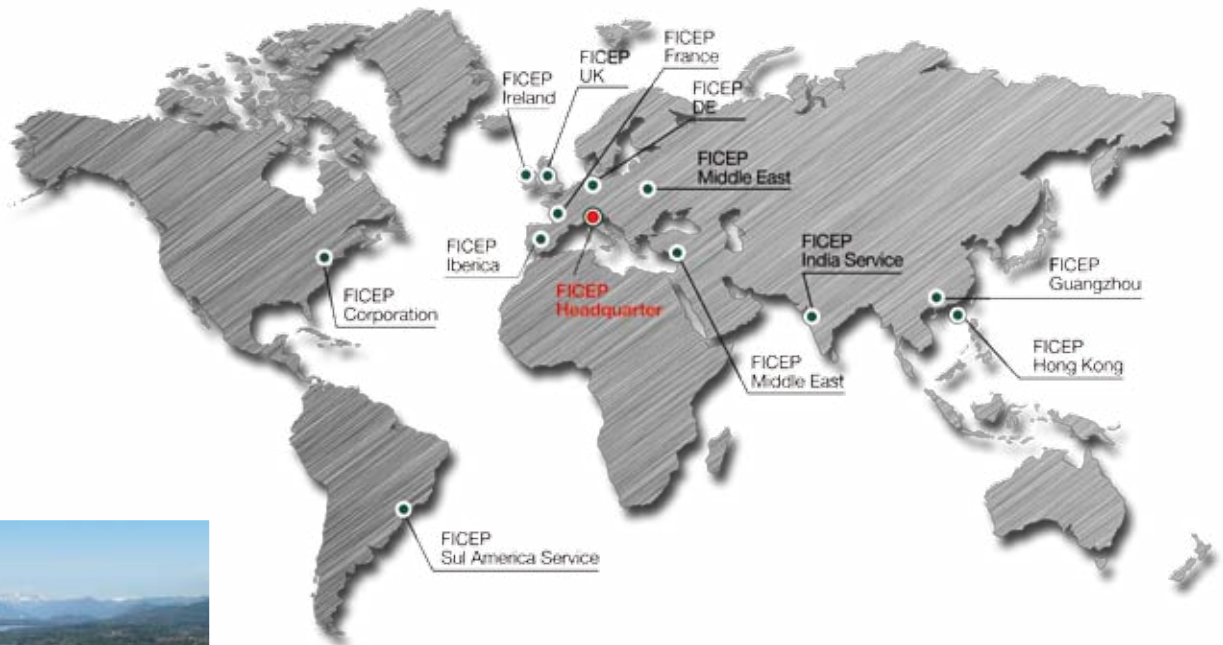
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Headquartered in Varese, Italy, Ficep is the leading manufacturer of machine tools for the steel construction industry with customers in nearly 90 countries globally. The company provides the world's widest range of machines for both the structural steel and forging industries.