

> Mastery by our teams of computerized calculation and CAD tools

> 2D DESIGN



> 3D DESIGN



> STRUCTURAL CALCULATION



OUR SKILLS FOR YOU



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➤ **A Project ? Questions ?**

➤ **Want to join us ?**

Do not hesitate to contact us.



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WHO ARE WE ?

Ingénierie Technique en Construction Métallique by abbreviation **ITCM**, established since its creation in 2015 in the Valenciennes agglomeration (Haut-de-France region), is a company providing engineering services and technical assistance.

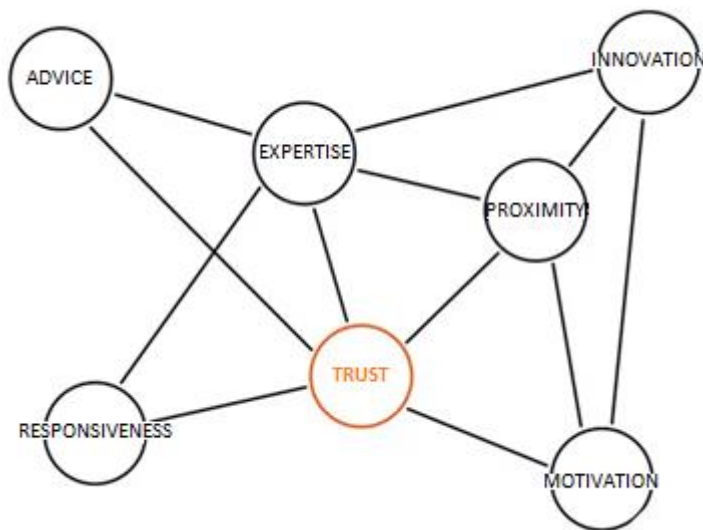
Our multidisciplinary teams of technicians and engineers work from our offices or directly on customer sites in technical assistance for industrial projects ranging from design to production.

Throughout its development, **ITCM** has specialized in the various engineering trades :

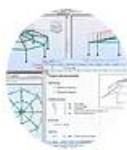
- > AUTOMOTIVE
- > METALLIC CONSTRUCTION
- > PRODUCTS STUDY
- > RAIL
- > GENERAL INSTALLATION
- > TOOLS

Our teams work mainly in the northern half of France but also in the industrial centers of neighboring countries like Belgium.

OUR VALUES



OUR SKILLS



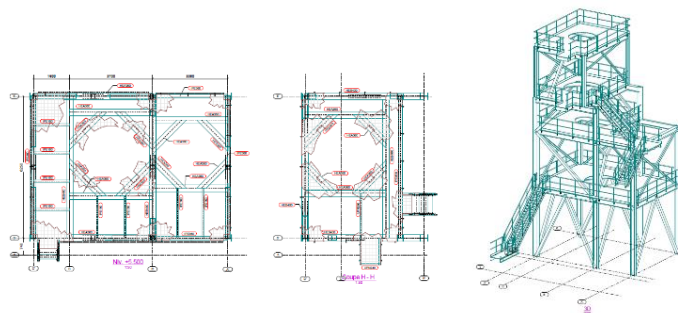
Calculation notes

- > Analysis of the bearing capacity of existing structures with report and recommendations (audit of structures),
- > Establishment of calculation notes,
- > Modeling of 3D structures with stress analysis, deformation and studies with finite elements,
- > Seismic and climatic analysis of the effects on structures,
- > Studies under French and foreign regulations,
- > Computer calculations on ROBOT Structural Analysis software.



Study and execution files

- > On-site rib reading,
- > Preliminary Project - External Consultation File - Specifications, etc.,
- > Design adapted according to workshop equipment and technical constraints,
- > Executed Project File,
- > Establishment of overall plans, details and layout in the metal construction, boilermaking, handling, mechanically welded elements,
- > Establishment of 3D models with TEKLA Structures or AutoCAD software,
- > Output tracing (flow, assembly sheets, true, etc.),
- > Computer files (DSTV),
- > IFC files for BIM.

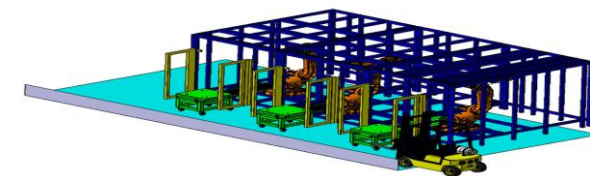


OUR SKILLS



Design and Engineering

- > Mechanical design and engineering,
- > Taking into account customer requirements,
- > 2D drawings and 3D models for industrialization.



Technical assistance

- > Provision of employees (designer, engineer...) whose skills have been checked and validated in order to integrate your project teams,
- > Intervention on customer sites,
- > Technical support from us,
- > Rates calculated according to the experience of the employee and the location of intervention.



Turnkey solutions

- > In collaboration with our partners, manufacturing management and installation of our solutions.