




CONSULTING AND STUDIES

We help our customers optimize metallurgical processes, evaluate and develop business models, and integrate industrial software.



**welcome to our
consulting services**

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Consulting | Studies

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01. METALLURGICAL PROCESS OPTIMIZATION

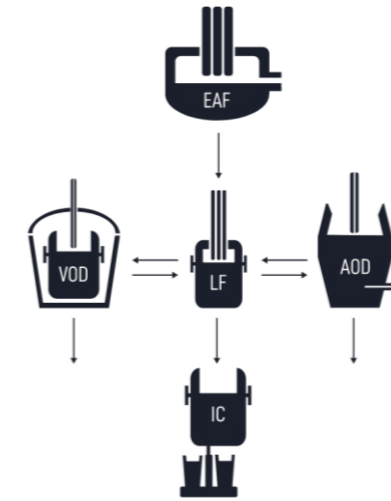
Our production-proven experts are familiar with the latest melting and casting technologies and know how to transfer experience and implement solutions.



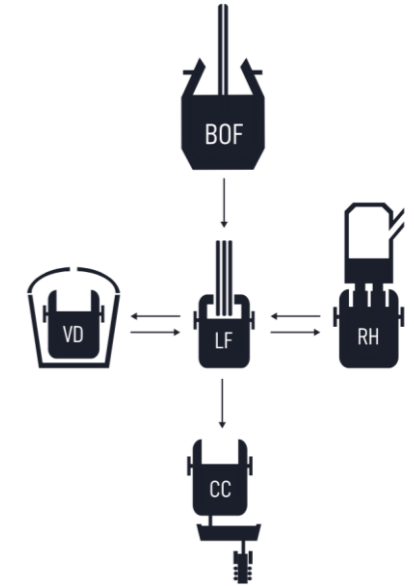
01. METALLURGICAL PROCESS OPTIMIZATION

Where we are supporting our customers:

- Scrap yard and raw material optimization
- Optimization of the EAF process (change of furnace operating modes)
- Improvement of secondary steelmaking (reduction of non-metallic inclusions, slag metallurgy, degassing, decarburization, alloying strategies, etc.)
- Ingot casting (plate preparation, casting rate, powder addition, solidification)
- Continuous casting (solidification, EMS, soft reduction, cooling strategies, reduction of internal and surface defects, etc.)



Electric or stainless steelmaking



Integrated steelmaking

Our technological expertise covers integrated steelmaking, as well as electric steelmaking, with a special emphasis on the production of quality steels, stainless steels and high-alloyed grades.

01. METALLURGICAL PROCESS OPTIMIZATION

our work | references

- Technological consulting services for ingot casting
- Evaluation of potential steel plant improvements
- Improving the meltshop's productivity
- Solidification analysis for continuous casting
- Evaluation of potential optimizations for ingot casting
- Evaluation of the concept of a newly planned steel plant
- Optimization of the ingot casting quality



02. REQUIREMENT & SOFTWARE ENGINEERING

Together with you, we create and develop future-oriented, modern and innovative digital solutions for the production of tomorrow.



02. REQUIREMENT & SOFTWARE ENGINEERING

Where we are supporting our customers:

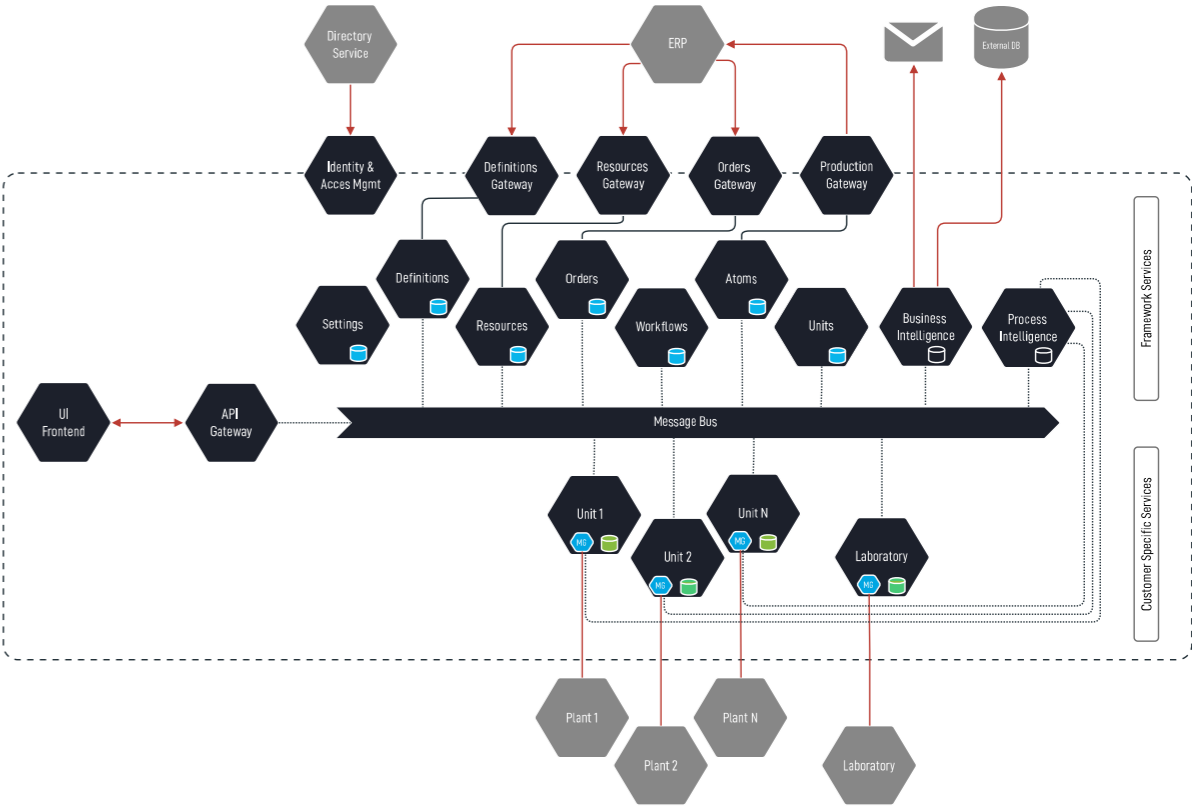
- Evaluating the current situation (software systems, overall IT architecture, degree of automation and digitization)
- Cross-system analysis of business processes.
- Establishment and standardization of interfaces
- Systematic and professional requirement engineering
- Work-out and design of solutions
- Support with software integration (communication & change request management, project planning and monitoring,
- Identify possible Industry 4.0 technologies (find the right product).



02. REQUIREMENT & SOFTWARE ENGINEERING

our work | references

- Conceptual software design for product life cycle tracking
- Several software requirement projects
- Creation of a roadmap for the digitization of a manufacturing plant
- Conceptual design of software to optimize ferro-alloy production
- Requirement engineering for a software in a foundry
- Development of a software enterprise architecture



03. FEASIBILITY & BUSINESS STRATEGY STUDIES

With our experienced C-Level experts in the field of metallurgy, we prepare independent reports and help in the development of cooperate strategies.



03. FEASIBILITY & BUSINESS STRATEGY STUDIES

Where we are supporting our customers:

- Working out conceptual studies for upgrades of existing plants.
- Consulting for creating tender documents for new investments and supervision of the tender phase.
- Conducting an independent review of an ongoing investment project.
- Elaboration and evaluation of capex and opex measures CAPEX and OPEX
- Business model evaluation and development



03. FEASIBILITY & BUSINESS STRATEGY STUDIES



our work | references

- Conceptual mechanical engineering study
- Comparative metallurgical studies of raw material use in EAF and IF
- Technological basic data and tender evaluation support of new CCM
- Evaluation of savings potential in ladle management
- Feasibility study on different blowing processes and development of a business model for the utilization of metallurgical slag



qoncept

**expect nothing
less**

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