



Technosteel
& Consulting



EXCEED
EXPECTATIONS

ELECTRIC ARC FURNACE
LADLE FURNACE
CONTINUOUS CASTING MACHINE
MAINTENANCE MANAGEMENT

 Technosteel.pro

WHO WE ARE?

Founded in Serbia in 2014 as a company for technical support in steel production processes, today, Technosteel & Consulting Doo is an international company operating in the steel industry with its experienced and qualified team all over the world.

Technosteel & Consulting Doo is a very young company, founded only in 2014, although the founder, being also the General Manager, has many years of experience in steel production. Thanks to his enthusiasm, will to grow and years of market research, he decided to finish his career as the General Director at a Plant and create Technosteel & Consulting Doo, that operates today. The Technosteel & Consulting Doo team represents a group of steel technicians and specialists with plenty of experience in the steel industry.

Technosteel & Consulting Doo's objective is providing new perspectives on possible steel industry developments. Our team has gathered the technical expertise and long term operating experience in the steel sector to service this industry and help our customers in achieving their objectives.



Technosteel & Consulting Doo is a company that insists on constant growth of its services, and in this moment we are focused on:

Technical consulting in steel production

From the preparation of raw materials to steel casting, Technosteel & Consulting Doo offers a complete range of services. Our team of specialists can offer you solutions serving every stage of the steel melting process. Technosteel & Consulting Doo dedicated team combines specific developments with standard procedures in order to provide the best solution adapted to your steel plant.

Our team will assist your production, support you in your process and advise you in identifying innovative solutions to suit your needs, and all of this in order to:

Optimise your
production process



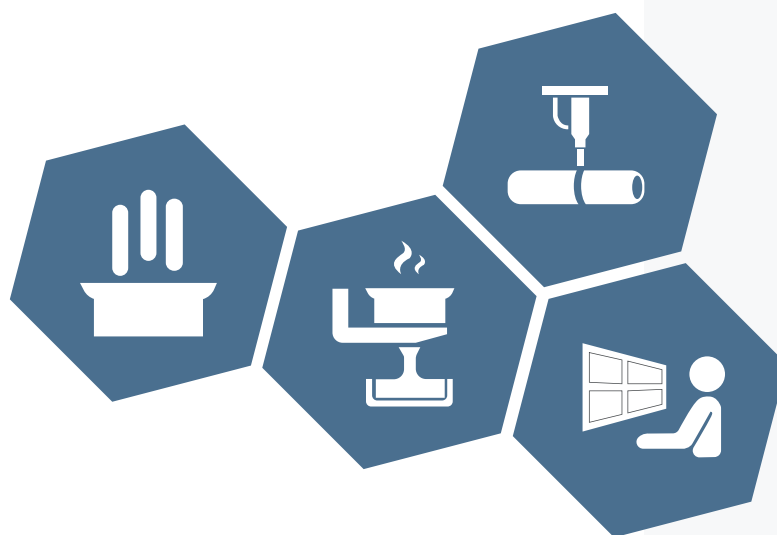
Organize your
maintenance time

Decrease your costs



Technosteel & Consulting Doo puts its expertise at your service. Vast experience of our team allows us to lead, consult and offer solutions for all types of technical questions our clients might have. Our activities in the steel industry are focused on inspection, monitoring and solution advising.

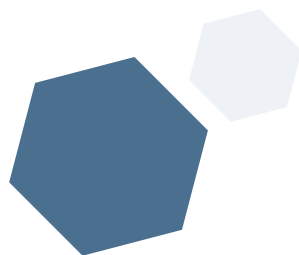
High quality of the provided services, experience in the steel industry and know-how are the basis of our team of specialists.



Software for Electrical Arc Furnace and Ladle Furnace

Technosteel & Consulting Doo, in direct collaboration with Industrial Automation Doo, a team of software engineers, have developed specialized software for electrode regulation for EAF and LF with main goals of increasing productivity and decreasing energy consumption thereby decreasing the costs of the production process.

Our team of specialists is able to cover the implementation and commissioning of the system with consequent monitoring of achieved goals.



We have the pleasure to offer a Technical Service focused on reducing transformation costs and improving plant performance to our clients.

The scope of our services includes:

- ✓ Data collection: analysis of existing equipment and actual working conditions
- ✓ Evaluation of the necessary technical actions to improve the process
- ✓ Optimization of production management with particular attention to the reduction of transformation costs
- ✓ Improvement of the actual condition of the line
- ✓ Reaching the highest possible availability of equipment
- ✓ Optimization of EAF, LF and
- ✓ Continuous Casting Machine
- ✓ Reduction of unpredicted shut-down of the Melting Shop
- ✓ Reduction of the Maintenance costs
- ✓ Optimization of Scrap management



The analysis of data/info collected during our firsts technical visits will be studied in detail in order to prepare the action proposal and final plan, all in order to achieve the best result possible in:



ELECTRIC ARC FURNACE

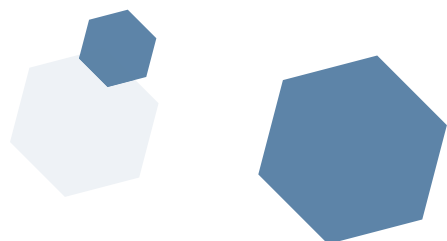
- ✓ Optimization of power consumption
- ✓ Optimization of graphite electrode consumption
- ✓ Optimization of injection carbon consumption
- ✓ Optimization of charging carbon consumption
- ✓ Optimization of lime consumption
- ✓ Optimization of oxygen consumption
- ✓ Optimization of LPG/Natural gas
- ✓ Optimization of tap to tap time

EAF



LADLE FURNACE

- ✓ Optimization of power consumption
- ✓ Optimization of graphite electrode consumption
- ✓ Optimization of carbon re-carburizer
- ✓ Optimization of lime consumption
- ✓ Optimization of tap to tap time
- ✓ Optimization of the ferroalloy consumption
- ✓ Improvement of steel analysis

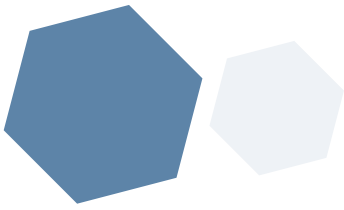


CONTINUOUS CASTING MACHINE

- ✓ Optimization of starting and ending of the sequences
- ✓ Optimization of the quality of the final product (focus on internal cracks and geometry)
- ✓ Optimization of consumption of copper molds
- ✓ Reduction of break outs
- ✓ Reduction of scrap billets in order to reach max 1% on the final product

CCM





MAINTENANCE MANAGEMENT

- ✓ Optimization of equipment maintenance, with a focus on improving the actual performance
- ✓ Avoiding unplanned stoppages
- ✓ Optimization of planned ordinary maintenance
- ✓ On site training for proper management of extraordinary maintenance along with fast problem solving procedures



MAINTENANCE MANAGEMENT

The services provided by Technosteel & Consulting doo are always in compliance with all the policies and procedures of the client, based on the current Quality, Environmental, Health and Safety management systems.

We remain at your complete disposal for any further clarifications.

We are dedicated to creating value for our clients with a very wide and direct geographical presence. We are sensitive to market changes and promptly adapt when appropriate, since this is a critical factor for all players in the steel industry

Besides our key products in the steel industry, we can create a complete project (turn-key solution) for all of your automation needs, since we are also specialized in a variety of industrial automations systems.

We collaborate with "Industrial Automation", a group of software engineers with a lot experience in a wide industry range of automations systems.

Among our product list, we can also offer our services for creating or implementing modifications for:

- ✓ Dedusting plant
- ✓ Water treatment plant
- ✓ Design and control system for medium voltage
- ✓ Ferroalloys
- ✓ Rolling mill
- ✓ SCADA systems
- ✓ Pneumatic and hydraulic systems
- ✓ Coke and Lime Injectors
- ✓ Burners





Technosteel & Consulting

Our clients are the most important partners and they are the heart of everything we do.

The goal of Technosteel & Consulting is to exceed our customers expectations in the areas of engineering, manufacturing and design of industrial automation systems.

To explore how we can assist your company in further improving its operations, please contact Technosteel & Consulting d.o.o. and ask us about our industrial automation systems solutions.



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