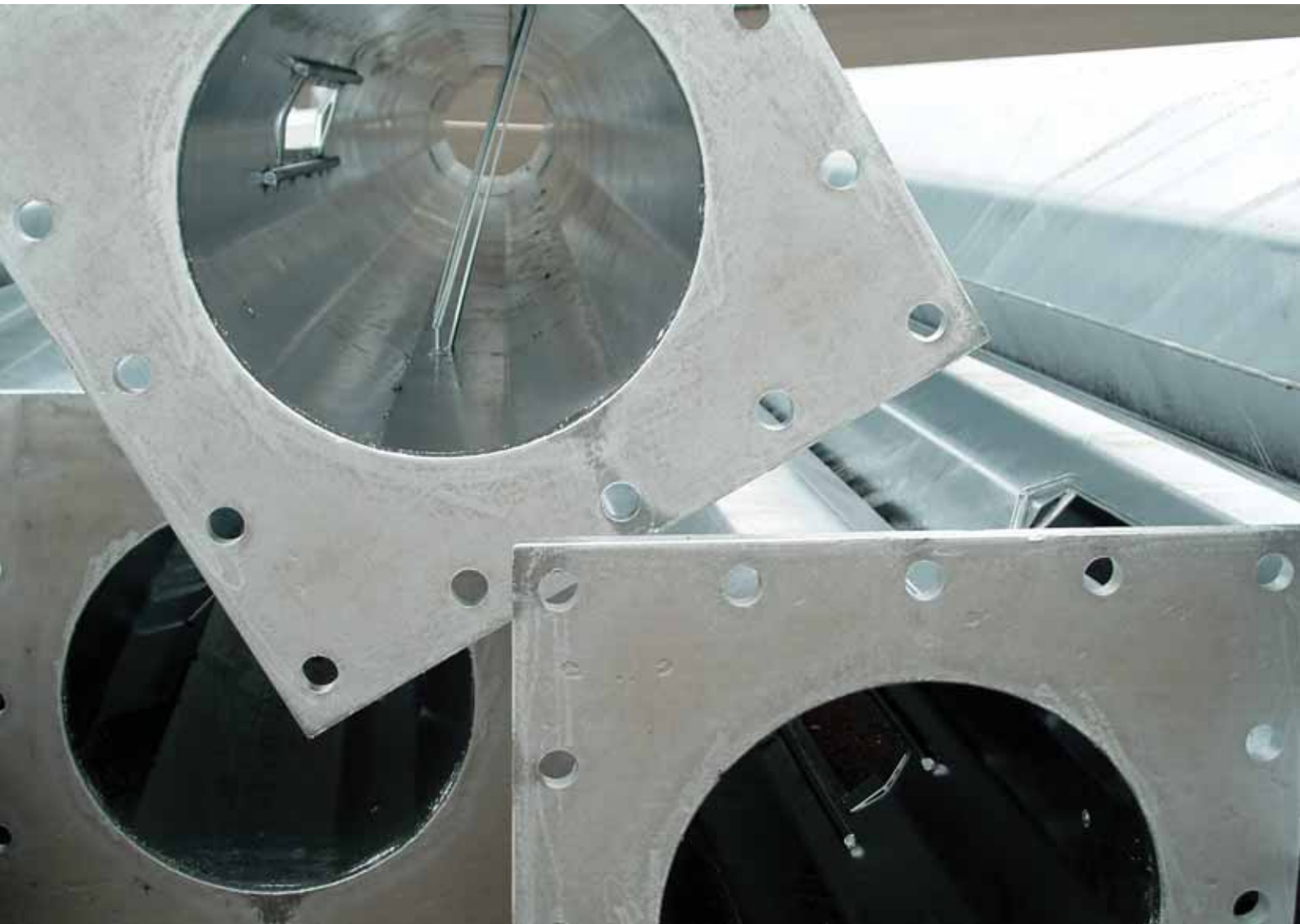


# Dalekovod Galvanizing Plant



# Basic vision of Dalekovod Group is to become a regional leader in its branch of activity

Achievement of the above vision requires continuous investment in all divisions, ranging from design and production to construction and erection division.

Synergy within the Group has been significantly improved by investment in and commissioning of the hot-dip galvanizing plant.

Dalekovod-cinčaonica d.o.o. is a component part of the Dalekovod Group system. The above plant is specialized in anti-corrosion protection of steel by hot-dip galvanizing procedure.

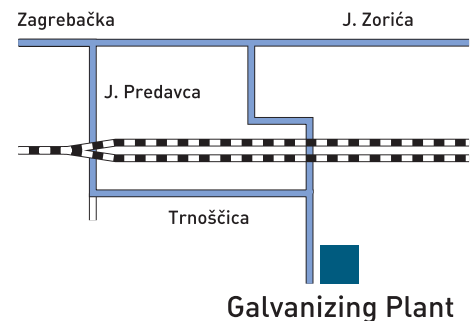
Production facilities consist of a discontinuous galvanizing line and an automatic centrifuge galvanizing line.

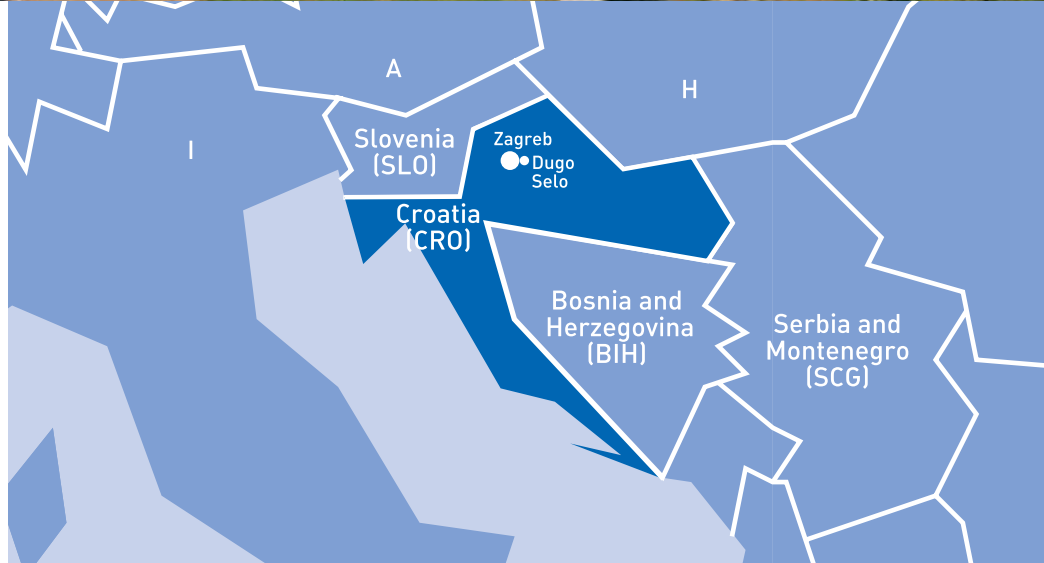
Applied norms are EN ISO 9001:2000, EN ISO 14001:1996, OHSAS 18001.

Due to long-time experience and application of latest technological achievements in the field of galvanizing technology, our highly educated personnel are ready to both fulfill market requirements and provide customers with complete and high quality services.



## DUGO SELO - location







## Discontinuous Galvanizing Line

This galvanizing line is designed for galvanizing various steel lattice structures, tubular and polygonal poles, guardrails and safety barriers, decorative fences, containers, water heaters, concrete reinforcing steel bars and other steel products of up to 12.5 m in length.



## Centrifuge Galvanizing Line





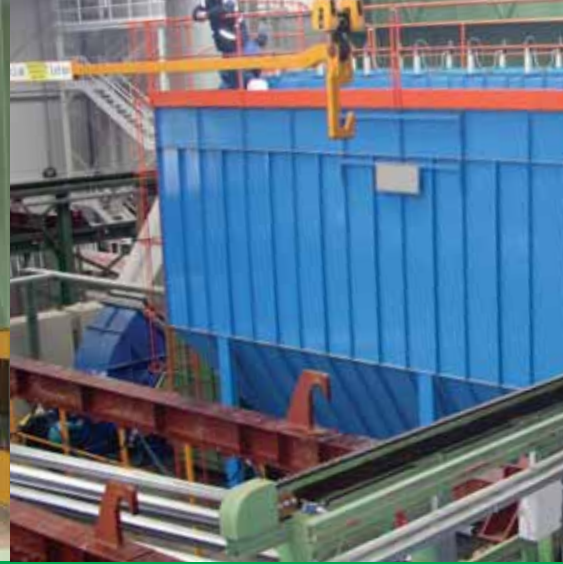
Capacity: **up to 30,000 t/year**  
Heating system: **natural gas**  
Zinc temperature: **max. 450°C**  
Bath dimensions: **12.5 x 1.7 x 2.5 m**  
Norms: **ISO EN 1461, ASTM - A123, ASTM-A 385 or at customer's request**



This galvanizing line is designed for galvanizing bolted-type goods, nuts, washers, line hardware and other steel products by using a centrifuge system. Maximum product dimensions are 700 mm.

Capacity: **6,000 t/year**  
Heating system: **natural gas**  
Zinc temperature: **max 450-560°C**  
Norms: **ISO EN 1461, ASTM - A123, ASTM - A 385, or at customer's request.**



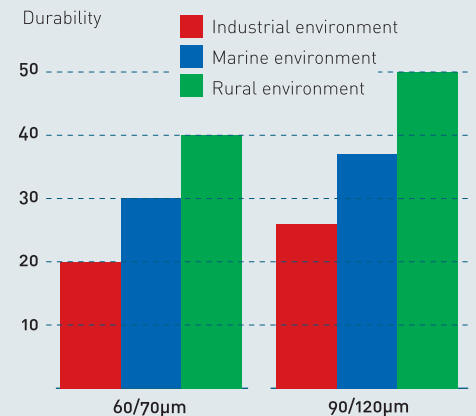


^ Suction and treatment of acid vapors from the closed chemical pre-treatment unit.

# Environmental Protection



Durability of zinc coated surfaces by galvanizing in relation to zinc layer thickness and environment



# Advantages of hot-dip Galvanizing

Iron, in other words steel, is considered to be a strategic metal. Beyond any doubt, it is the most frequently used metal nowadays. Corrosion of any metal is defined as electrochemical reaction of metal and its environment. From the technical, ecological and economic point of view, hot dip galvanizing is considered to be the most efficient and most acceptable steel corrosion protection method worldwide so far.

Unlike other steel surface protection methods, hot-dip galvanizing implies integral long-term protection. Supported with additional painting, high-quality protection may last more than fifty years. Galvanized steel elements (guardrails, various structures, lighting poles, park benches and multi-version lattices), additionally coated with adequate paints, shall contribute significantly to the urban environment of today.

### ADVANTAGES:

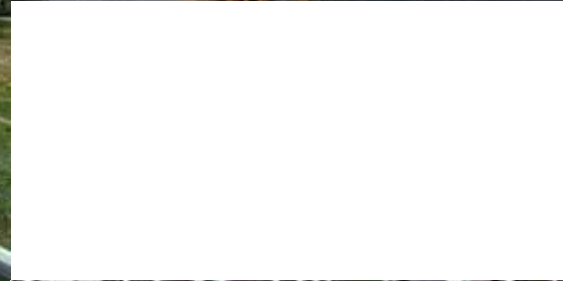
- low initial costs
- long-term protection without maintenance costs
- treatment in controlled and tested systems
- uniformity of surface protection
- possibility of protection of inaccessible structure areas
- possibility of treatment of large quantities of material within short period of time
- resistance to mechanical damages during transport, handling and installation
- three methods of protection: insulation, cathodic and mechanical protection
- possibility of simple quality checks as well as testing the efficiency of specific method of protection



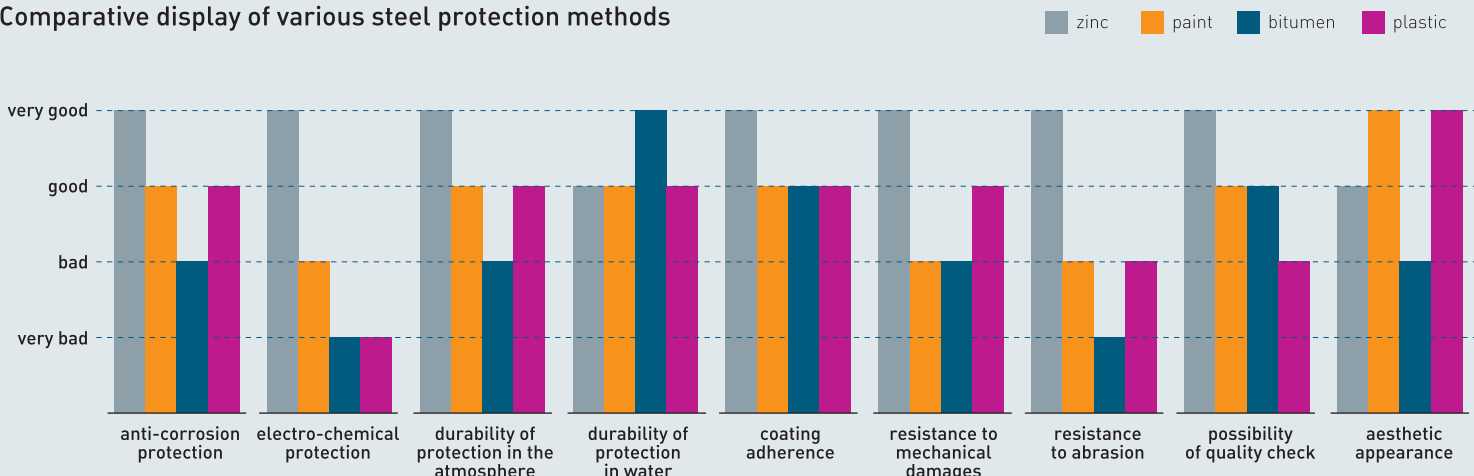
^ Suction and treatment of white fumes from the closed galvanizing bath area.



^ Treatment and recycling of expended solutions from the chemical pre-treatment unit.



Comparative display of various steel protection methods





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