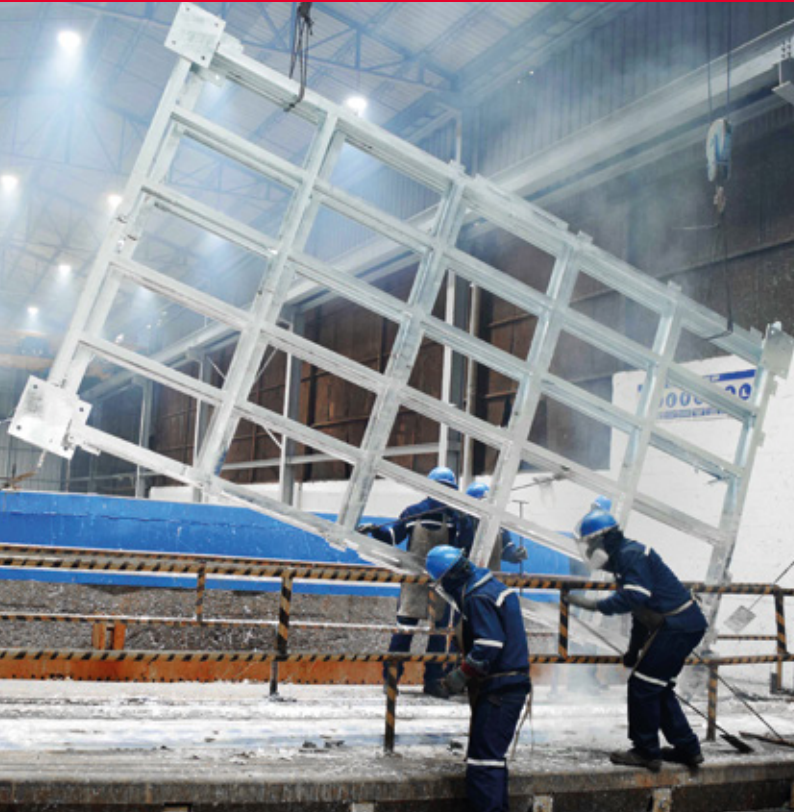




**HOT DIP
GALVANIZING
BROCHURE**



Our integral solutions
have no limits

At SEDEMI, we have consolidated a wide variety of products and services that complement our value proposition.

We offer an effective response for large scale projects with hot-dip galvanizing.

Galvanized Metal
Structure
Machala Hospital



Galvanized
Structure

HOT DIP GALVANIZING

Protection of steel products against corrosion, long durability and integral coating of structures.

Our robust high-tech plant allows us to have full control of the processes, with an installed capacity of 1,000 tons/month, complying with ASTM quality standards.

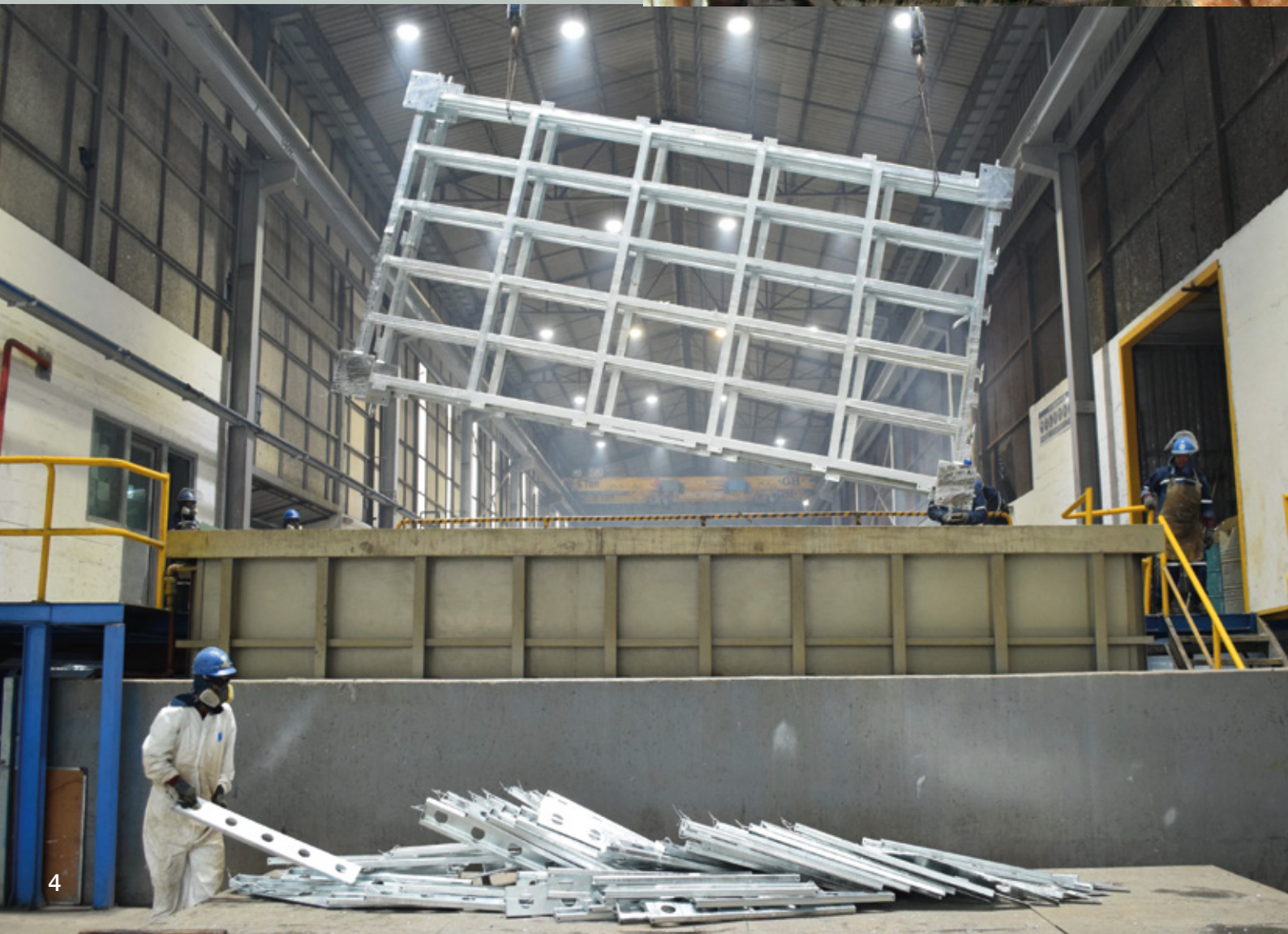


Galvanizing
Process

CORROSION

Corrosion is one of the challenges faced by the metalworking industry. However, industrial development has made it possible to apply metallic and polymeric coatings, to protect steel and extend its lifespan.

The most important coating is hot-dip galvanizing because of its long durability, unnecessary maintenance, triple protection, integral coating, easy to weld, easy to paint, and the toughness of the coating.





PRODUCTION PLANT

Our robust state-of-the-art plant allows us to be in control of all processes.

- Hot dipped galvanized in molten zinc.
- Crucible:
 - 6,50 meters long.
 - 1,10 meters wide.
 - 1,80 meters depth.
- Galvanizing capacity: 1000 ton/month.
- Blast cleaning.
- Technical assistance.
- Quality standards:
 - ASTM A123
 - ASTM A153



Our capacity allows us to galvanize: monopoles, transmission towers, water tanks, channels, caps, profiles, poles, ladders, ring pulls, anti-scalings, road protection and signaling: bands, poles, joists, etc.



REASONS TO GALVANIZE

1. Durability is extremely high.

Guarantees durability in terms of time and environment.

2. It is more economical.

3. Triple protection.

- Barrier protection.
- Cathodic protection.
- Zinc oxidation protection.

4. Versatility.

For all kinds of parts.

5. Reliability.

Specified by national and international standards.
(ASTM 123, 153, 780, 384,385)

6. Sustainability.

Steel and zinc are recyclable.

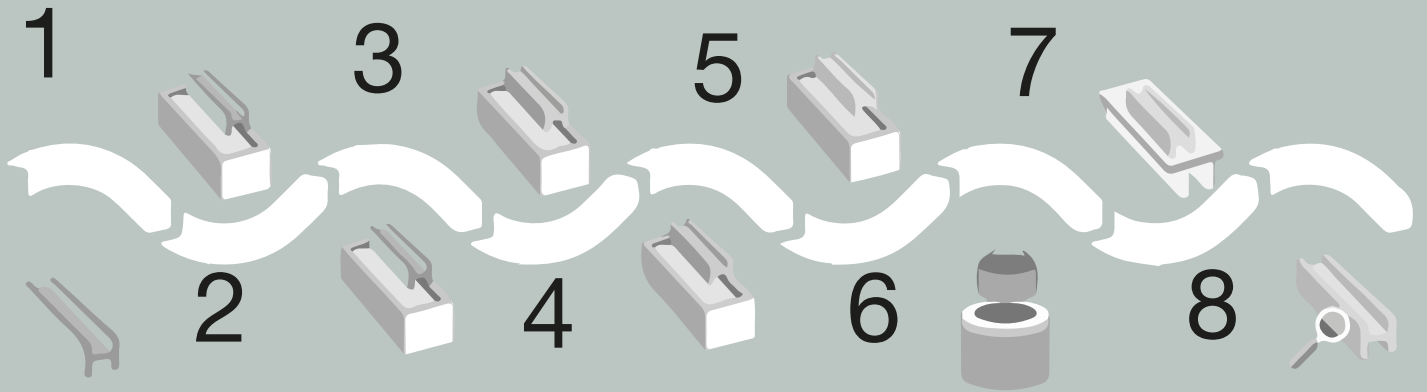




- 7.** Integral coating.
Internal and external coating.
- 8.** Uniform protection.
- 9.** Abrasion resistance.
Protection against hostile manipulation.
- 10.** Manageable.
Allows for easy assembly by bolting and welding.



GALVANIZING PROCESS



- 1. Degrease**
Removal of grease or oil from black steel.
- 2. Pickling**
Scale and rust removal.
- 3. Rinse**
Removes acid residues.
- 4. Fluxing**
Prevents oxidation of the piece before entering the bath, even thicknesses throughout the piece.



5. Drying
Eliminates liquid waste and moisture;
dry and heat the material.
6. Immersion in hot dip zinc 450°C.
7. Cooling.
8. Inspection and cleaning.





Hydroelectric Power Plant
Galvanized Metallic Structure.



Petroecuador
Oil Blocks
Galvanized Metallic Structure



Interconnected System
500 KV
Galvanized Metallic Structure



Claro and CNT Expansion
Galvanized Towers and Monopoles



IESS Manta Hospital
Galvanized Metallic
Superstructure



La Fabril Detergent Plant
Galvanized Metallic Structure



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