

CASE

STUDY

Galvasid
(Apodaca - N.L. - Mexico)



In the first half of 2017, Galvasid awarded one contract to CMI, to undertake the new continuous galvanizing line (CGL), in Apodaca (Nueva León - Mexico). Ingeteam Power Technology was selected, in consortium agreement with CMI, as the main supplier of the electric and automation equipment, including Level II supply.

The main technical characteristics of the new line:

- Production capacity: 250.000 Tn/year.
- Incoming material: Low carbon and low alloyed cold rolled steel.
 - *Width: 609- 1575 mm.
 - *Thickness: 0,18 - 1,9 mm.
 - *Int. diameter: 508 / 610 mm.
 - *Outer diameter: 2.133 mm.
 - *Weight: max. 33 Tn.
- Outgoing material: Hot dip galvanized steel / Zinc with normal spangles / Zinc without spangle.
- Line process speed: 190 mpm.

The following supplies and works will be carry out by Ingeteam Power Technology S.A. for the electrical equipment of the Continuous Galvanizing Line:

- AC equipment: kinematic drives equipment with corresponding motors, AC/AC converters for auxiliary variable speed drives.
- Main control systems (ControlLogix) and safety PLC.
- Human machine interface (Factory Talk).
- Communication with other subsystems: Welder, Gauges, Air knives, Zinc Pot, Marker, Oiler.
- Level II.
- Main operator desk and control panels.
- UPS + auxiliary voltage distribution.
- Auxiliary equipment: field sensors, etc.
- Interfaces with other subsystems.
- Basic and detail engineering.
- Commissioning.
- Training.

Continuous Galvanizing Line

Control Diagram

