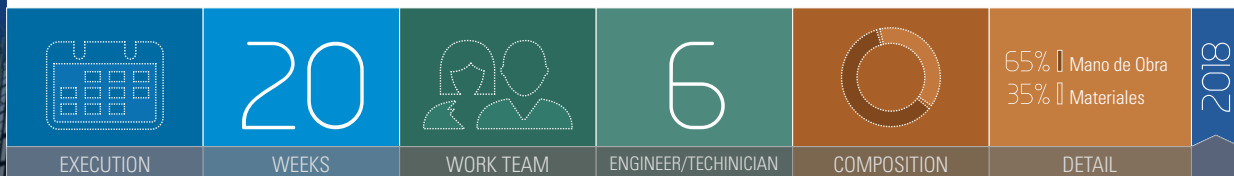


# ELECTROMECHANICAL ASSEMBLY OF NEW PACKAGING LINE

LA CAMPAGNOLA COMPLEX | SAN JUAN | ARGENTINA

## ENVIRONMENT

Industrial Group supplies the materials and services of qualified labor for the manufacture of boards, lighting assembly, complete electromechanical assembly, programming of PLC's, Panels and Commissioning of a new high-speed packaging line in the LA CAMPAGNOLA Complex of Arcor located in the city of San Juan, San Juan, Argentina.



## PROJECT DESCRIPTION

The project consists of several well-defined and important stages that were coordinated in such a way to meet the established deadline:

**1. Intervention of Transformer Substation,** assembly and connection of a 1600A Quadropole Tmax Switch and ABB Network Analyzer, current transformers; mounting and bending of 50x10mm copper bars.

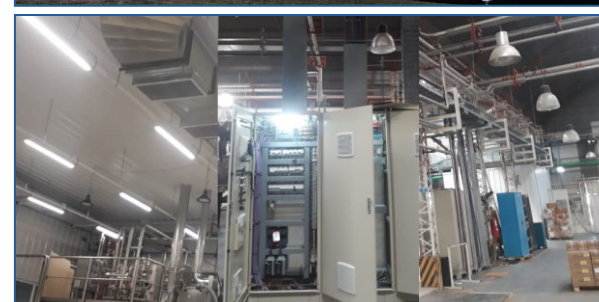
**2. Manufacture,** assembly and connection of 40 boards, including communication, pneumatic, switch, command, terminal boards, etc.

**3. Lighting Assembly,** in the Board Room, Packaging Room, Sampling Room, Production Hall, new line and Testing and Measurement Room, assembly and connection of 50 devices as: ceiling, hood and emergency equipment for lighting and signaling. 200 mts of profiles were mounted for the distribution of the lighting fixtures and 2,000 m. of cable for the connection of these.

**4. Complete electromechanical assembly** of all the equipment that comprises the New line. The assembly of 950 meters cable ladder trays (average height at 4.00 meters) and perforated cable trays was carried out; laying of 11,000 meters of cables, driving force (sections of 185 mm<sup>2</sup>, 120 mm<sup>2</sup>, 70mm<sup>2</sup>, 50mm<sup>2</sup>, etc.), grounding (sections 120mm<sup>2</sup>, 50mm<sup>2</sup>, 35mm<sup>2</sup>, etc.) and signals with double sheath (sections 12x1mm<sup>2</sup>, 7x1mm<sup>2</sup>, etc.); laying of 350 meters of Singlemode Optical Fiber, assembly of junction box and realization of 24 FO fusions; laying of 400 meters. polyurethane hose for pneumatic connections; assembly and connection of 46 inductive sensors.

**5. Development of automation software** for PLC Siemens, ET200S, Operator Panels and redundant fiber optic ring configuration.

**6. SAT tests and assistance** in the commissioning of all the equipment involved in the project and programming



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