

# INDUSTRIAL INSTALLATIONS AND ERECTIONS

QUALITY THAT EXCELS



## INTRODUCTION

Established in July 1996, aiming at attending market needs, Munhoz positively has taken charge of supplying high standard solutions, in the projects, civil constructions, industrial installations and erections, to the entire satisfaction of the customers.

Munhoz holds all quality standards at a high level, in executing jobs which include industrial installations and erections, adding to them responsibility, competence, effectiveness and years of work experience.

In this search for perfection, Munhoz employs a highly qualified team, skilled and involved with the company's philosophy, which is to always best serve customers.

# INDUSTRIAL INSTALLATIONS AND ERECTIONS



R. Terézio Gonçalves de Camargo, 156  
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- Supply of industrial electro-mechanical, and hydraulic installations in the turn-key mode;
- Installation, erection and start-up of electric substation in medium tension;
- Supply of electric panels for electric control and switching;
- Design and erection of lighting systems;
- Execution of outdoor and underground networks:
  - potable, industrial and reuse water and compressed air;
  - sanitary and industrial sewage;
  - gas distribution (oxygen, nitrogen, ammonia, LPG and CNG);
  - cooling oils distribution;
  - fire extinction networks.
- Protection systems against atmospheric discharges;
- Supply of specialized labour to the areas of electric maintenance, electronics and mechanical;
- Manufacture and erection of steel structures for equipment support, inter-connection of buildings (pipe racks) and towers for varied applications in the industrial processes.

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## INDUSTRIAL INSTALLATIONS AND ERECTIONS



- Erection of treatment plant for cooling oil effluents and emulsion clarification
- Electric and hydraulic erection of pumps and instrumentation;
- Electric pipe-rack and signal with derivations in fire galvanized piping;
- Launching of power, control and communication cabling

## INDUSTRIAL INSTALLATIONS AND ERECTIONS



- Manufacturing and erection of structure, passageways and pipe racks.



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## INDUSTRIAL INSTALLATIONS AND ERECTIONS



- 4MVA unit substation
- Erection of medium and low tension switch gear;
- Erection of electric racks, accessories and mechanic supports;
- Installations of transformers connected by copper busbar to the medium tension cubiculum;
- Low tension connected by armoured busbar;
- Launching and manufacturing of medium tension cabling extremities;
- Erection of lighting and service plugs of electric room;
- Commissioning and start-up of the system.

## INDUSTRIAL INSTALLATIONS AND ERECTIONS



- 2MVA unit substation
- Erection of medium and low tension switch gear;
- Erection of electric racks, accessories and mechanic supports;
- Installations of transformers connected by copper busbar to the medium tension cubiculum;
- Low tension connected by armoured busbar;
- Launching and manufacturing of medium tension cabling extremities;
- Erection of lighting and service plugs of electric room;
- Commissioning and start-up of the system..



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- CNG, LPG, Ammonia, Methanol and Nitrogen gas central, with pressure control at the consumption extension;
- Hydraulic and electric installations in the maintenance building;
- Electric erection, unit substation connected by busbar to medium and low tension.



## INDUSTRIAL INSTALLATIONS AND ERECTIONS



- Electro-mechanic erection, fire extinction system, potable water, compressed air and power switching.



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## INDUSTRIAL INSTALLATIONS AND ERECTIONS



- Water and cooling system
- Hydraulic erection for cooling system, including piping, motor pumps, heat exchangers and cooling tower.

# INDUSTRIAL INSTALLATIONS AND ERECTIONS



- Electro mechanical erection and instrumentation
- Electric project execution;
- Electro mechanical erection;
- Cable rack/tray support and derivations manufacture;
- Low tension distribution;
- Control cabling and interconnections launching;
- Comissioning;
- Start-up.



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