



Inggeteco

Tecnología Contra Incendio

CORPORATIVE PRESENTATION 2023



COMPANY



Ingeteco
Tecnología Contra Incendio

COMPANY

INGETECO is a company composed of a multidisciplinary team of professionals and technicians, **grouped together to develop engineering projects, supply, assembly, and maintenance of fire protection systems.**

Focused on providing the best solution for fire protection, we provide technical advice for the correct evaluation of risks in the industrial area.

In addition, we are representatives of leading brands in the market of equipment and components for fire detection and control, with modern, sustainable, and environmentally friendly solutions.

COMPANY

MISSION

Our goal is to build the trust and preference of our customers by providing certified and efficient solutions to their fire detection and extinguishing needs. We achieve this by making available to them a team of top-level professionals and technicians who utilize cutting-edge technologies to maximize our customers' return on investment and satisfaction.

VISION

We aim to contribute to ensuring the sustainability of our customers by protecting their personnel and facilities with efficient and certified fire detection and extinguishing systems.

VALUES

Safety: Our top priority is to protect people and assets.

Excellence: We strive to be the best in everything we do and undertake.

Passion: We approach our commitments and projects with passion and utmost involvement.

Respect: We always act with the utmost respect for people, the environment, and applicable regulations.

OUR FOCUS

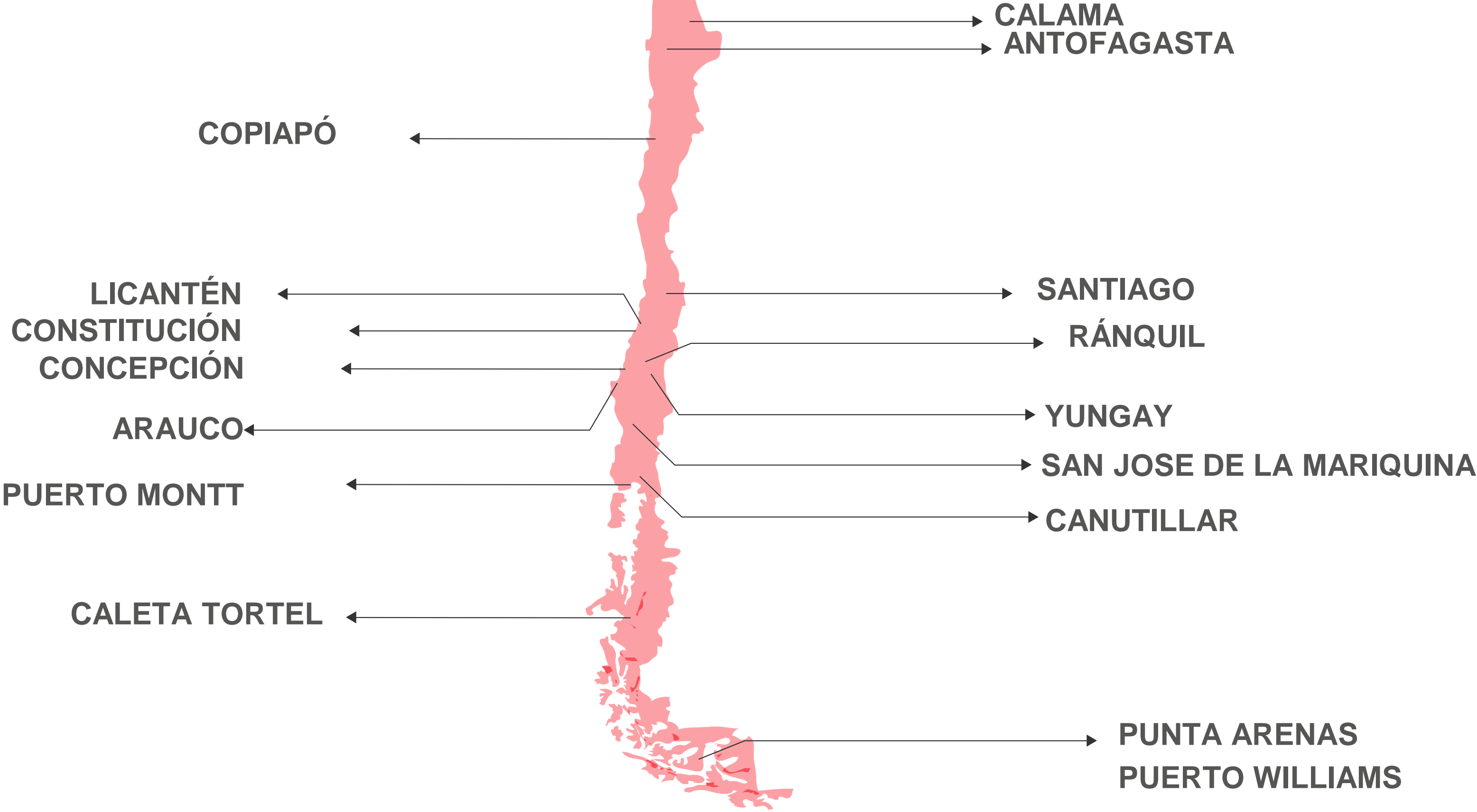
INGETECO SPA IS A COMPANY SPECIALIZING IN MINIMIZING THE RISK OF FIRE THROUGH SOLUTIONS SUCH AS:

- ▶ **Diagnostic audits and detailed engineering.**
- ▶ **Implementation of fire detection and extinguishing systems in electrical rooms.**
- ▶ **Implementation of fire detection and extinguishing systems in data centers.**
- ▶ **Implementation of fire detection and extinguishing systems in gas tanks.**
- ▶ **Implementation of fire detection and extinguishing systems in oil tanks.**
- ▶ **Implementation of fire detection and extinguishing systems in perimeter areas.**
- ▶ **Implementation of passive protection.**





PROJECT THROUGHOUT CHILE



LOGISTICS



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Tecnología Contra Incendio

INFRASTRUCTURE, EQUIPMENT AND LOGISTICS

Headquarters Located in San Pedro de la Paz

Engineering and Design Office Located in San Pedro de la Paz

Warehouse Located in San Pedro de la Paz

Workshop 1 Located in Yungay

Workshop 2 Located in Carampangue



INGETECO SpA

76.549.669-1

Obras de Ingeniería

Pasaje Juan Valiente #119

Villa San Pedro, San Pedro de la Paz

Código Postal: 4130484

Region del Bio-Bío

CHILE

BIM Design and Modeling

- High-performance graphic computers.
- iPad for modeling.
- Leica BLK 360 3D scanner. (point clouds)
- Long-range laser meters.
- Plotter / Printers.
- Video conferencing equipment.



INFRASTRUCTURE, EQUIPMENT AND LOGISTICS

Vehicles



6x2 6m Truck Crane (5.4-ton crane with 12-meter extension)



Double Cabin ¾ Ton Truck



21 Trucks



Hydraulic Test Pump.



Pipe grooving machine for AC pipes.

Equipment and Tools



Pipe Bender



Tripod with Chain



Electric Threader

Containers:

- Office 3
- Warehouse 3



Other Tools:

- Rotary hammers.
- Fans and extractors.
- Welding machines.
- Compressor for painting.
- Pneumatic tools.
- Ladders.
- Extensions.
- Label makers.



Electric Generators



Reciprocating Saw



Rotary Hammer



Core Drill.

*Note: To meet the demands of each project, necessary equipment and tools are acquired or rented..

ENVIRONMENT AND SAFETY



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Tecnología Contra Incendio

ENVIRONMENT AND OCCUPATIONAL SAFETY

Our company has an Integrated Management System for Safety, Occupational Health, and Environment, focused on the continuous improvement of our operations. To achieve this, we:

We have an Integrated Management System for Safety, Occupational Health, and Environment, with a focus on continuous improvement of our operations. For this purpose, we have an integrated policy for Safety, Occupational Health, and Environment, with a strong commitment to the care of our employees, the environment, and continuous improvement.



We carry out a thorough identification of hazards and risk assessment of our operations, in order to maintain safe and accident-free worksites.



We analyze all incidents, non-conformities, and opportunities for improvement, with the sole purpose of protecting our employees and improving our processes.



The fundamental pillars of our management are based on Visible Leadership from Management, Supervisors and the high participation of our employees in decision making.



Our OHS management indicator (Last 24 months)

Accidents	0
Lost Days	0
Frecuency Rate	0
Severety Index	0
Accident Rate	0
Total Work Hours in the last 24 Months	500.000
Average Staffing in the Last 24 Months	102

We are convinced that our employees are the greatest partners in our achievements, which is why we are constantly developing joint participation and leadership activities that have a positive impact on our management.

REPRESENTATIONS



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Tecnología Contra Incendio

REPRESENTATIONS



OUR CLIENTS



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Tecnología Contra Incendio

OUR CLIENTS

ARAUCO

FINNING
FINNING CAT

EATON
Powering Business Worldwide

enlasa

Agrolomas

Puerto Coronel

aitue.

tinguiririca energía

Colbun

RHONA

Atton
HOTELES

UdeC
Instituto de Investigaciones Tecnológicas

GP
Georgia-Pacific

INGETAL
INGENIERIA & CONSTRUCCION

Servicio de Salud Araucanía Sur
Ministerio de Salud
Gobierno de Chile

Hospital de Pitrufquén

Servicio de Salud Concepción
Ministerio de Salud

Hospital de Florida

Universidad de Concepción

NETGLOBALIS
Centro de Servicios TI y Telecomunicaciones

inkia

Salmones Antártica S.A.

CTR
Telefónica Regional

BO PAPER
Bio Bio

cbb

inchalam

COMPAÑÍA CHILENA DE FÓSFOROS

cmppc

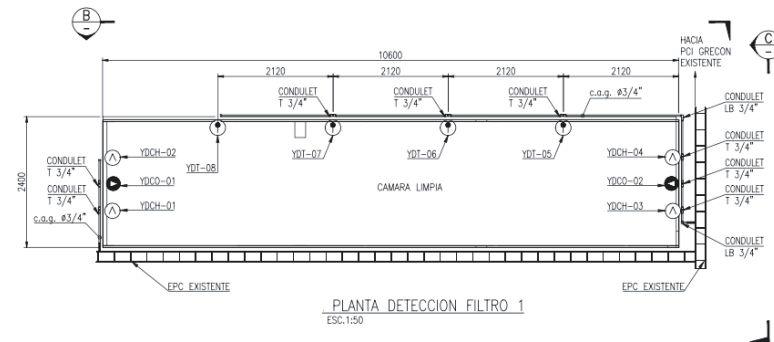
HIGHLIGHTED ENGINEERING PROJECTS



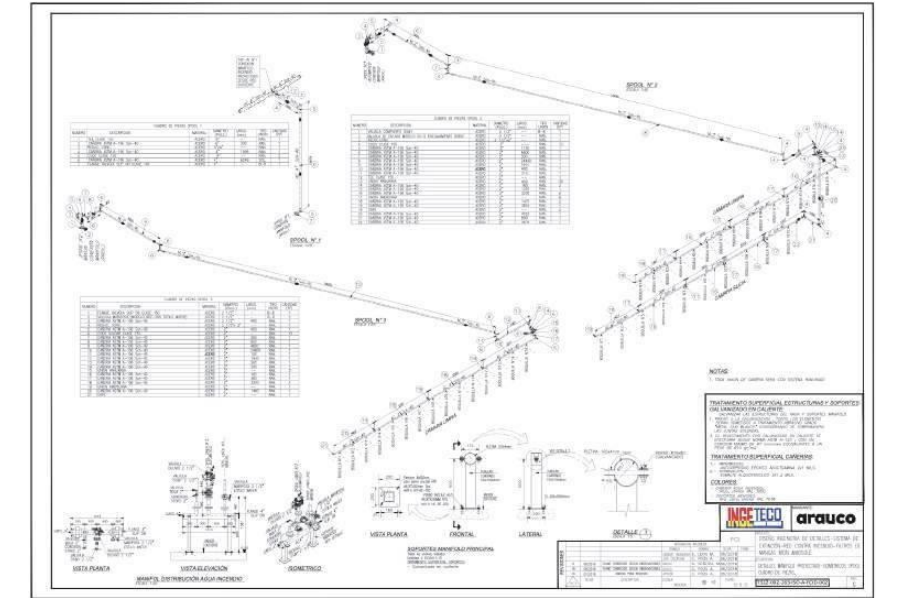
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ENGINEERING PROJECTS

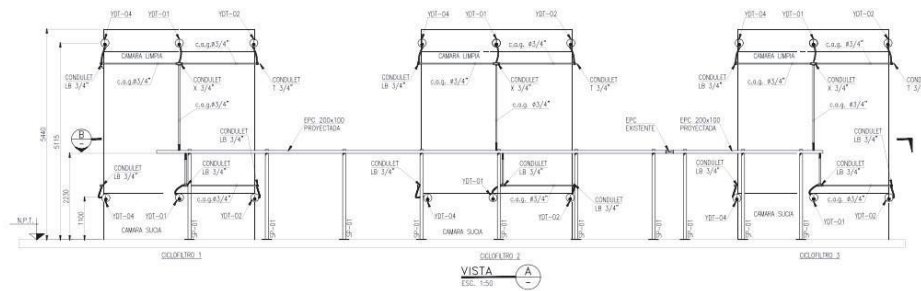
Project in Paneles Valdivia that consisted in the engineering of the fire detection and extinguishing system for 4 dust filters.



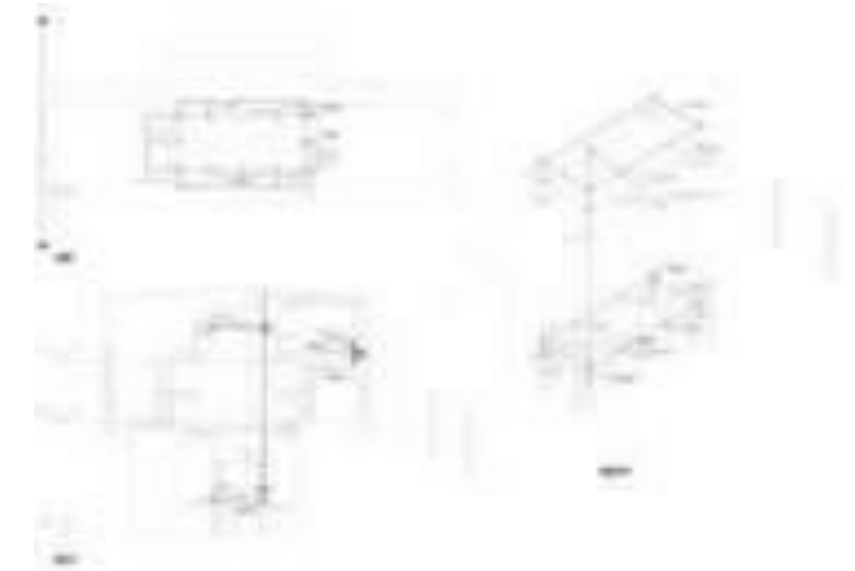
Project at Terciados Nueva Aldea that consisted of the engineering of the fire suppression system for 5 dust filters.



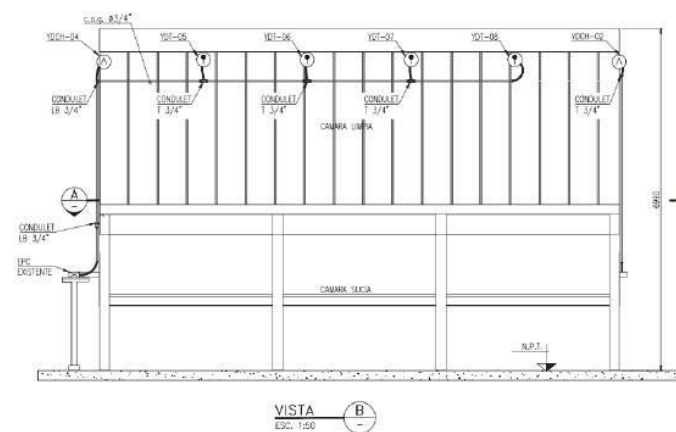
Project in Rema Horcones which consisted of the engineering of the fire detection and suppression system for 6 dust filters.



Project at Paneles Arauco Yungay, which consisted of the "Fire Protection System Engineering for MDF1 Line Migration to a New Perimeter Network according to NFPA Regulations." The areas covered in the engineering were: Press and Press Pit, Press Exit, Forming Line, Melamine, Warehouses, Perimeter Zone, Administrative Offices, Loading Dock, and Sawdust Warehouse.



Project at Rema Viñales that consisted of the engineering of the fire detection and suppression system for 3 dust filters.



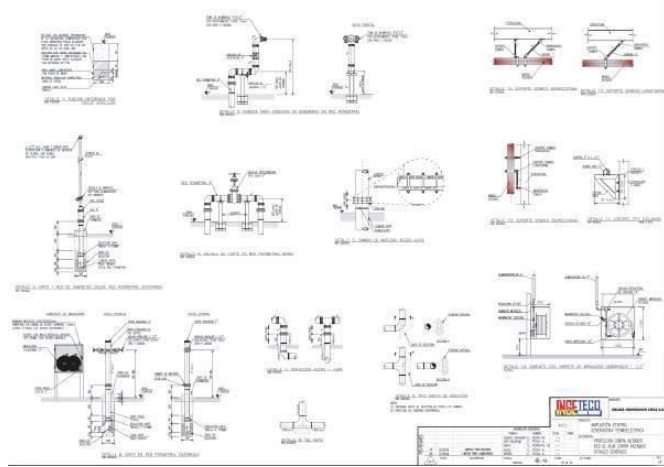
Project at Paneles Arauco Yungay that consisted of "Fire Protection System Engineering for 6 Conveyor Belts in the Wood Area".



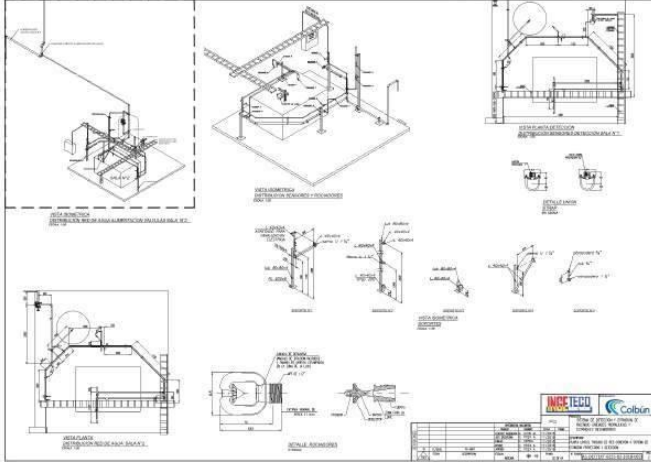
ENGINEERING PROJECTS



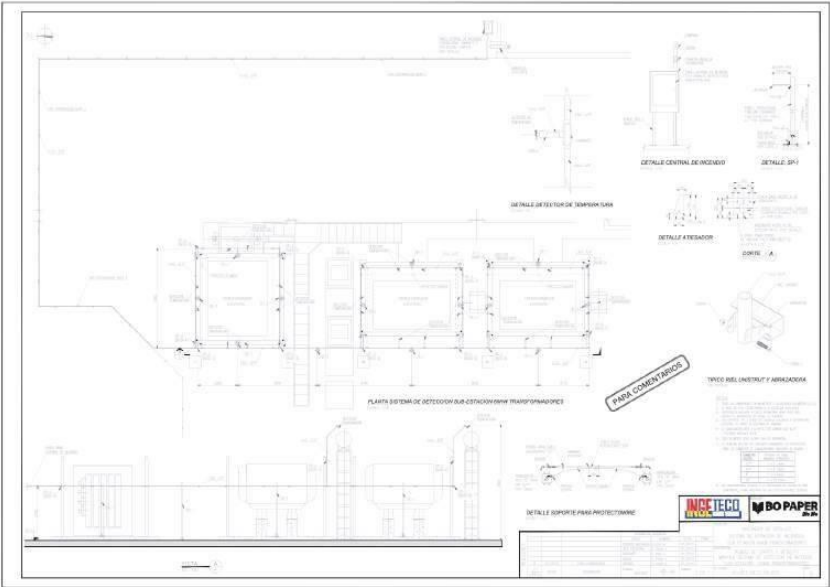
Project at Enlasa Generacion that consisted of "Fire Protection System Engineering" at a Gas-based Power Generation Plant. The areas covered in the engineering are as follows: Perimeter Network, Pump Room, Water Tanks for Fire Protection, Gas Unloading Area, Generation Area, Raw Material Warehouses, Administrative Area.



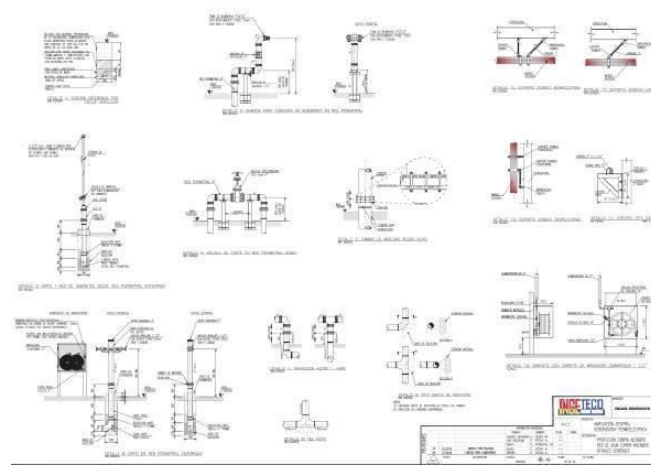
Project in COLBUN's Canutillar Hydroelectric Power Plant, which consisted of "Fire Protection System Engineering". The areas covered by the engineering were as follows: Transformer 1 and 2, Hydraulic Units 1 and 2, Perimeter Hydrant.



Project at "BO PAPER" which consisted of "Fire Protection System Engineering" for 2 electrical transformers.



New engineering project for Cementos Bio-Bío plant in Talcahuano. It included the design and calculation of water tank, pump room, perimeter network, and fast attack cabinets for the entire plant.

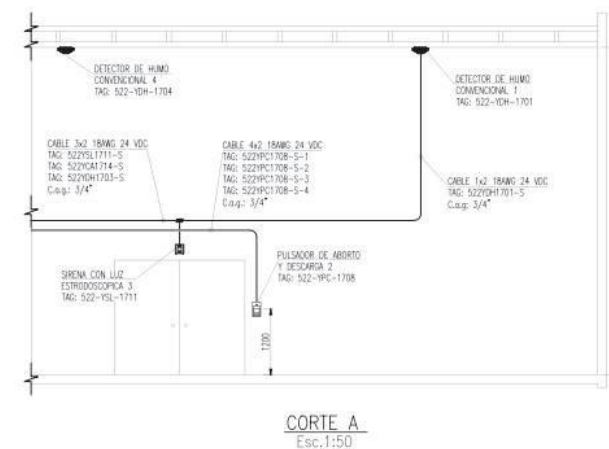
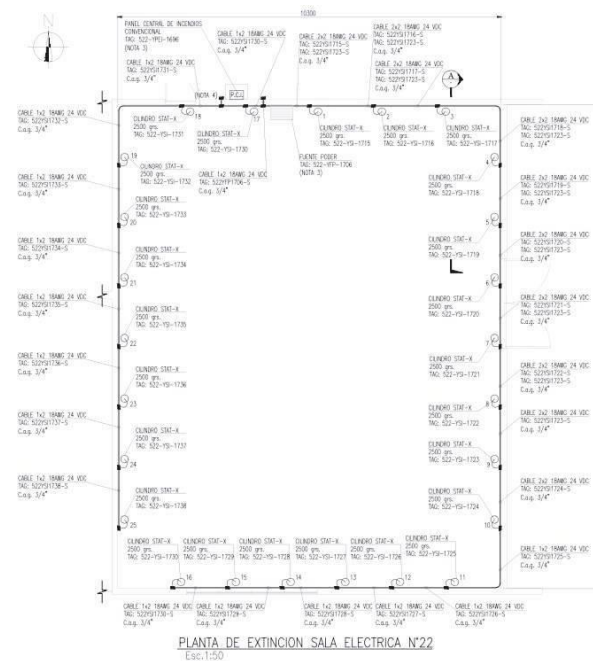


ENGINEERING PROJECTS

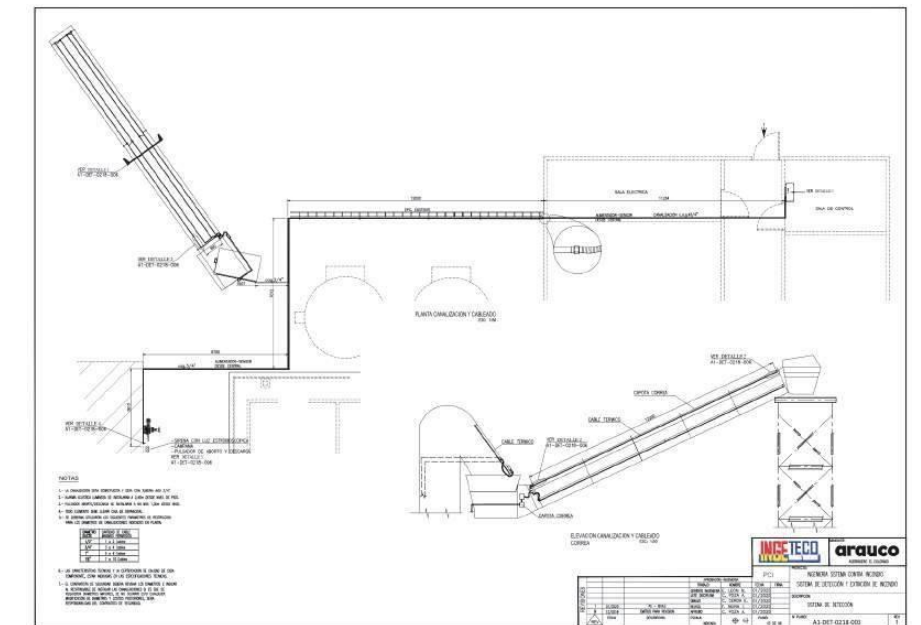
The Engineering and Construction Management (GIC) of the Arauco Group awarded us the engineering and supply for the protection of electrical rooms, cable floors, and battery rooms with Stat-X and Novec1230 for the Mega Project of Modernization and Expansion of the Arauco Plant (MAPA), which will make this plant one of the largest in the world.

The Engineering and Projects Superintendence (SIIP) of the Arauco Group awarded us the engineering, supply, and installation for the protection of electrical rooms with Stat-X:

- Arauco Plant: Protection of 40 electrical rooms.
- Valdivia Plant: Protection of 9 electrical rooms.
- Licancel Plant: Protection of 17 electrical rooms.
- Nueva Aldea Plant: Protection of 18 electrical rooms.
- Constitución Plant: Protection of 13 electrical rooms.



Project at ASERRADERO EL COLORADO that consisted of "Fire Protection System Engineering" for 1 conveyor belt in the Boiler area.



Fire Protection Project for Moulding Machines, replicable in other equipment with similar characteristics.

Engineering design, supply, and installation of Stat-X devices in 13 moulding machines at Paneles Yungay Plant.



OUTSTANDING PROJECTS



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Tecnología Contra Incendio

ASSEMBLY OF PUMP ROOM

HIDROELECTRICA TNGUIRIRICA



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

Pump Room, Hidroeléctrica tinguirica energia

San Fernando

PROTECTION OF GAS TANKS, DELUGE SYSTEM



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

GAS TANKS, DELUGE SYSTEM

Cholguán. Nueva Aldea, Horcones, Valdivia y Viñales.

PROTECTION OF TRANSFORMER COLMITO



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

Fire Detection and Suppression System, Deluge System.

Central Colmito, Concón.

PROTECTION OF

TRANSFORMER TINGUIRIRICA



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

Fire Detection and Suppression System, Deluge System

Central Tinguiririca, San Fernando.

INSTALLATION OF PERIMETER FIRE PROTECTION SYSTEM

PACKING
SANTA CRUZ



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

Perimeter Fire Protection System, Packing Santa Cruz

Quillota

INSTALLATION OF COOLING RING



CENTRAL GENERADORA
CANUTILLAR



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

Cooling Rings, Central Hidroeléctrica Canutillar

Puerto Montt

INSTALLATION OF DELUGE SYSTEM

arauco
PLANTA PANELES
CHOLGUAN



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

Deluge System applied in Conveyor Belt, Paneles Cholguán

Yungay

PROTECTION OF HYDRAULIC UNITS

arauco
PLANTA PANELES
CHOLGUAN



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP Deluge

System applied in Hydraulic Units, Paneles Cholguán

Yungay

INSTALLATION OF DELUGE SYSTEM

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PLANTA PANELES
TENEO



INSTALLATION AND START-UP

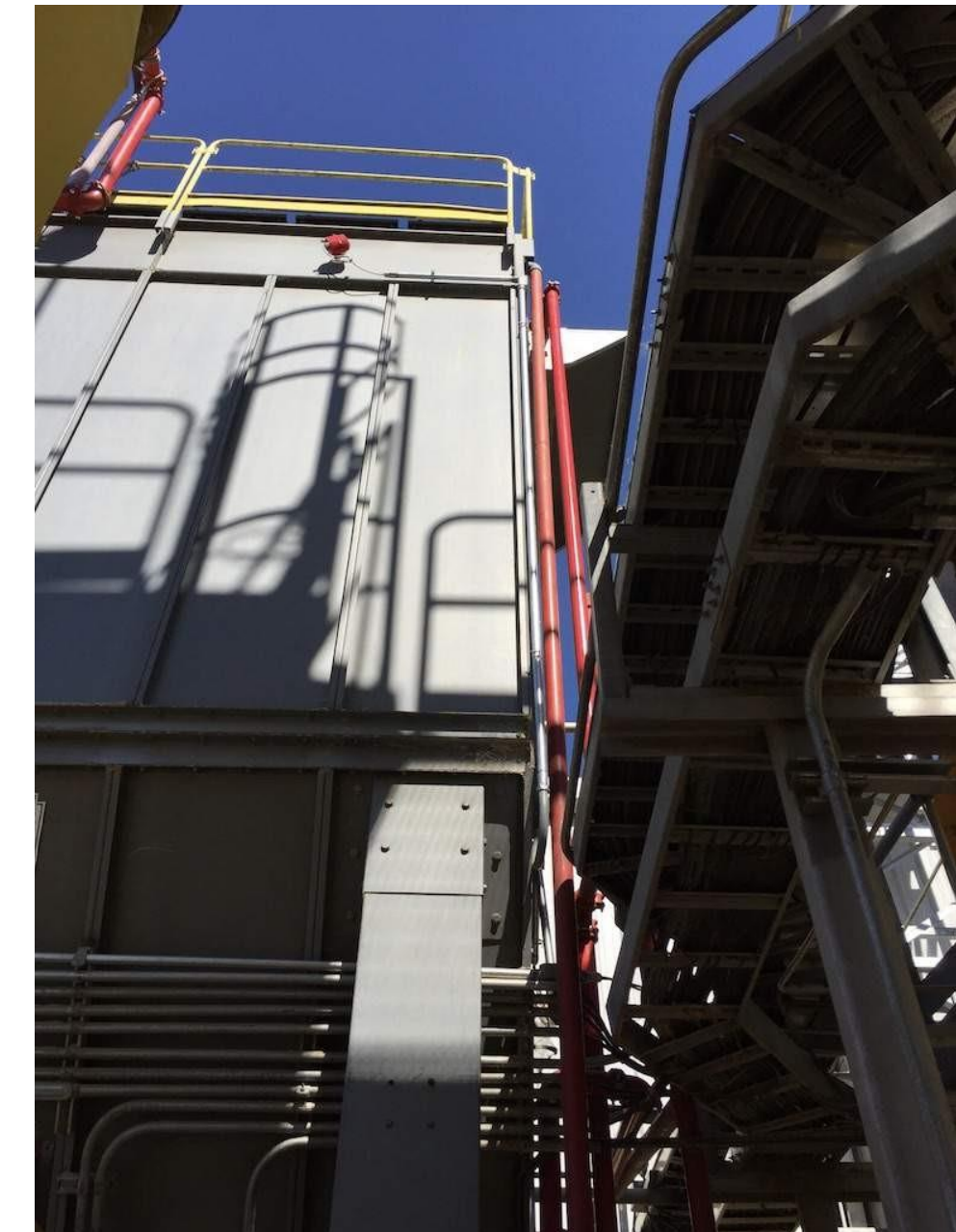
Deluge System applied in Conveyor Belt, Planta Paneles Teno

Teno

INSTALLATION OF DETECTION AND SUPPRESSION DELUGE SYSTEM

arauco

PLANTA TERCADOS
NUEVA ALDEA



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

System of Detection and Fire Suppression in Dust Filters, Planta Paneles Teno

Ranquil

INSTALLATION OF DETECTION AND SUPPRESSION DELUGE SYSTEM

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PLANTA REMANUFACTURA

HORCONES



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

System of Detection and Fire Suppression in Dust Filters, Planta Remanufactura Horcones

Arauco

INSTALLATION OF DETECTION AND SUPPRESSION DELUGE SYSTEM

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PLANTA REMANUFACTURA
VALDIVIA



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

System of Detection and Fire Suppression in Dust Filters, Planta Remanufactura Valdivia

San Jose de la Mariquina

INSTALLATION OF DETECTION AND SUPPRESSION DELUGE SYSTEM

ARAUCO
PLANTA PANELES CHOLGUAN
YUNGAY



INSTALLATION AND START-UP

System of Detection and Fire Suppression in Dust Filters, Planta Paneles Cholguan

Yungay

INSTALLATION OF PERIMETER FIRE PROTECTION SYSTEM ON WAREHOUSE



COMPAÑÍA CHILENA DE FÓSFOROS



INSTALLATION AND START-UP

Fire Protection Perimeter for Storage Warehouse, Compañía Chilena de Fósforos, Retiro.

Maule

INSTALLATION OF DELUGE SYSTEM

arauco
ASERRADERO EL COLORADO
CURANILAHUE



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP
Deluge System applied in Conveyor Belt, aserradero El Colorado
curanilahue

INSTALLATION OF DETECTION AND SUPPRESSION OF FIRE WITH FM200



SALA ELECTRICA PLC
CEMENTOS BIO-BIO



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP
Fire Detection and Suppression System FM200, Sala Electrica PLC

Talcahuano

PROTECTION OF
40 CRITICAL ELECTRIC ROOMS



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

Fire Detection and Suppression System Stat-X

Electric Room, Planta Horcones, Arauco.

PROTECTION OF 18 CRITICAL ELECTRIC ROOMS



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

Fire Detection and Suppression System Stat-X

Electric Room, Planta Nueva Aldea, Ranquíl.

PROTECTION OF 9 CRITICAL ELECTRIC ROOMS



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

Fire Detection and Suppression System Stat-X

Electric Room, Planta Constitución, Constitución.

PROTECTION OF

9 CRITICAL ELECTRIC ROOMS



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

Fire Detection and Suppression System Stat-X

Electric Room, Planta Valdivia, Mariquina.

PROTECTION OF

18 CRITICAL ELECTRIC ROOMS



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

Fire Detection and Suppression System Stat-X

Electric Room, Planta Licancel, Licantén.

**PROTECTION OF
6 ELECTRICAL ROOMS**

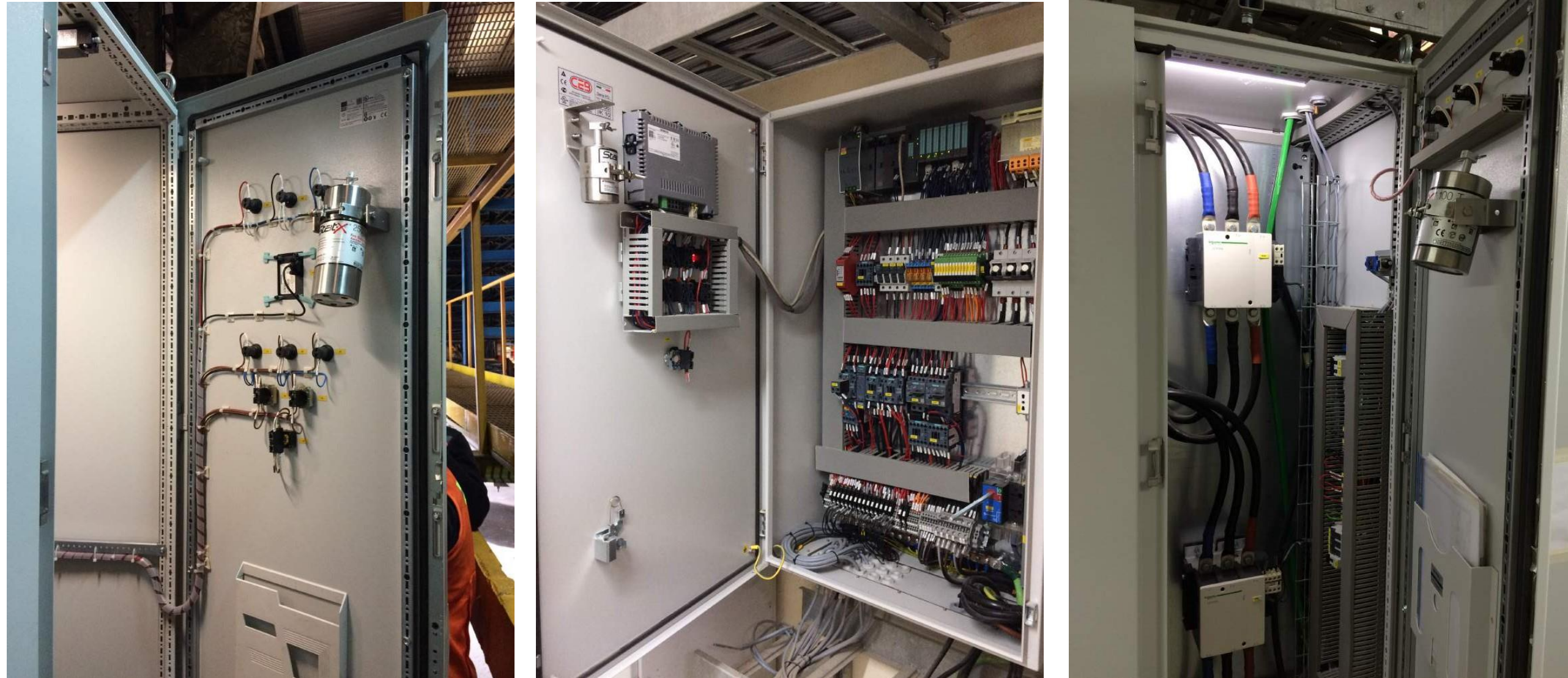


ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

Fire Detection and Suppression System Stat-X

Electric Room, Planta Horcones, Arauco.

PROTECTION OF 60 ELECTRICAL PANELS



INSTALLATION AND START-UP
Fire Detection and Suppression System Stat-X
Electrical Panels, Vigas Laminadas, Cholguán.

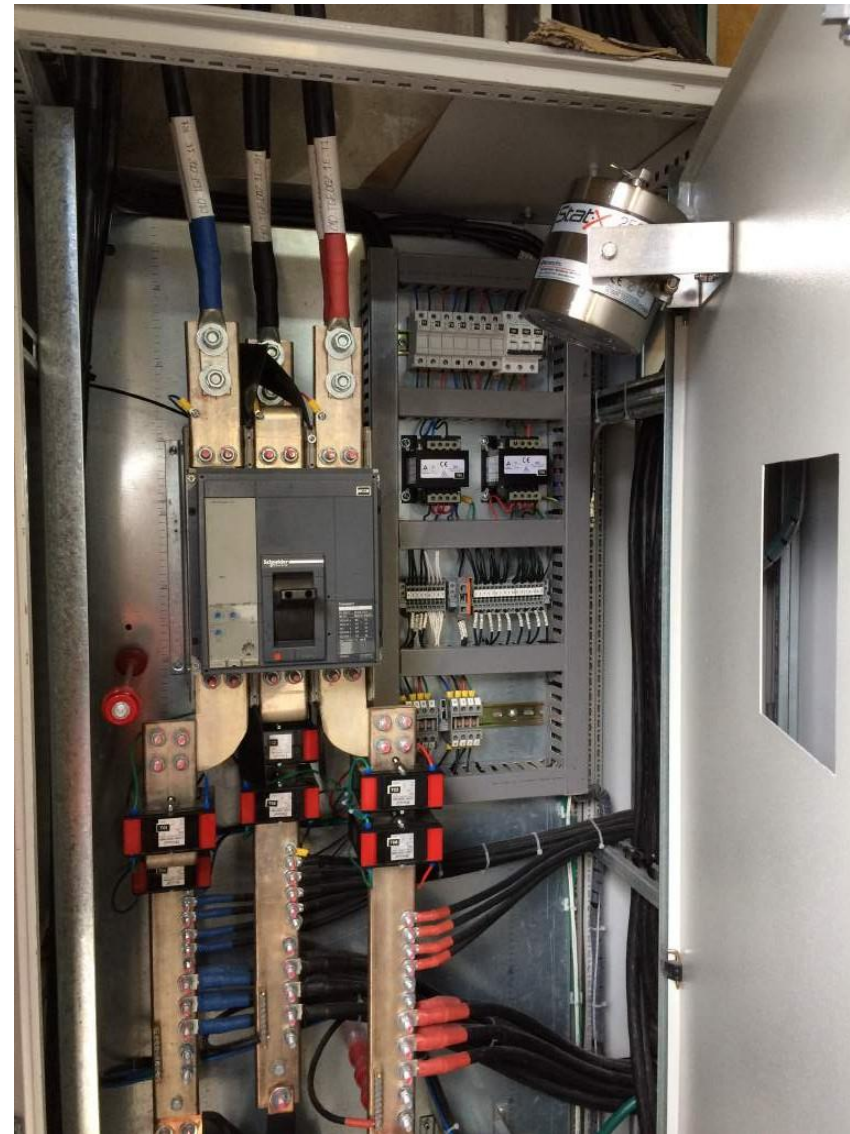
PROTECTION OF 661 ELECTRICAL PANELS



INSTALLATION AND START-UP
Fire Detection and Suppression System Stat-X
Electrical Panels, Terciados Horcones, Arauco.

PROTECTION OF

334 ELECTRICAL PANELS



INSTALLATION AND START-UP

Fire Detection and Suppression System Stat-X

Electrical Panels, Aserradero Horcones 1 y 2, Arauco.

PROTECTION OF 661 ELECTRICAL PANELS

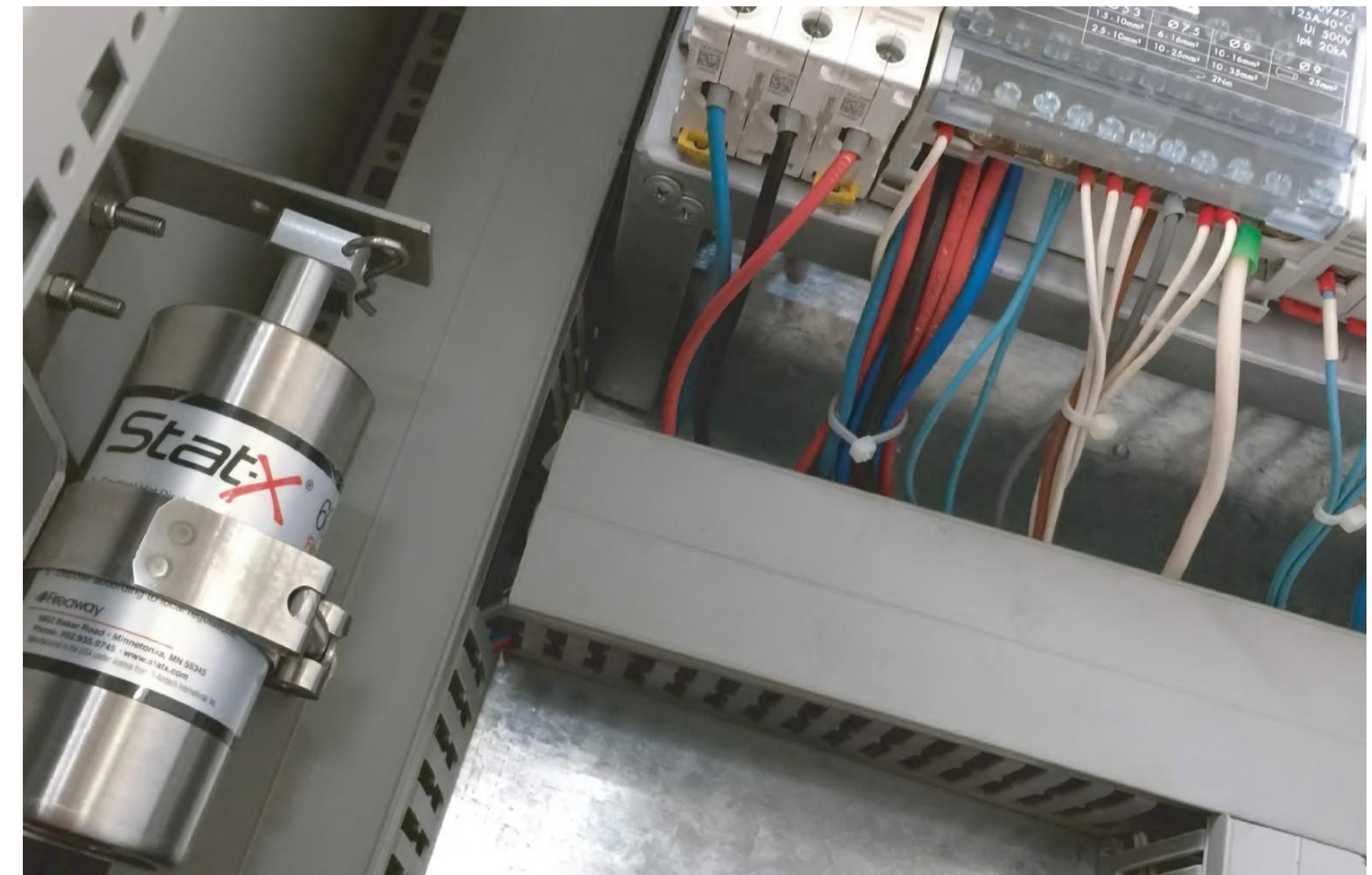


INSTALLATION AND START-UP

Fire Detection and Suppression System Stat-X

Electrical Panels, Bioenergía, Viñales.

PROTECTION OF 249 ELECTRICAL PANELS



INSTALLATION AND START-UP

Fire Detection and Suppression System Stat-X

Electrical Panels, Aserradero Nueva Aldea, Ranquíl.

PROTECTION OF

2 ELECTRICAL INSTALLATIONS



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

Fire Detection and Suppression System Stat-X

Electrical Room, Puerto de Coronel, Coronel.

PROTECTION OF 5 INSTALLATIONS

PROYECTO FIBRA ÓPTICA AUSTRAL



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

Fire Detection and Suppression System Stat-X

POIIT de comunicaciones Fibra Submarina, Puerto Montt, Quenuir, Caleta Tortel, Punta Arenas y Puerto Williams.

PROTECTION OF

MOBILE SUBSTATIONS AND SWITCHGEARS



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

Fire Detection and Suppression System Stat-X

Subestaciones Móviles y Switchgear para Minería.

PROTECTION OF DIESEL ELECTRIC GENERATORS

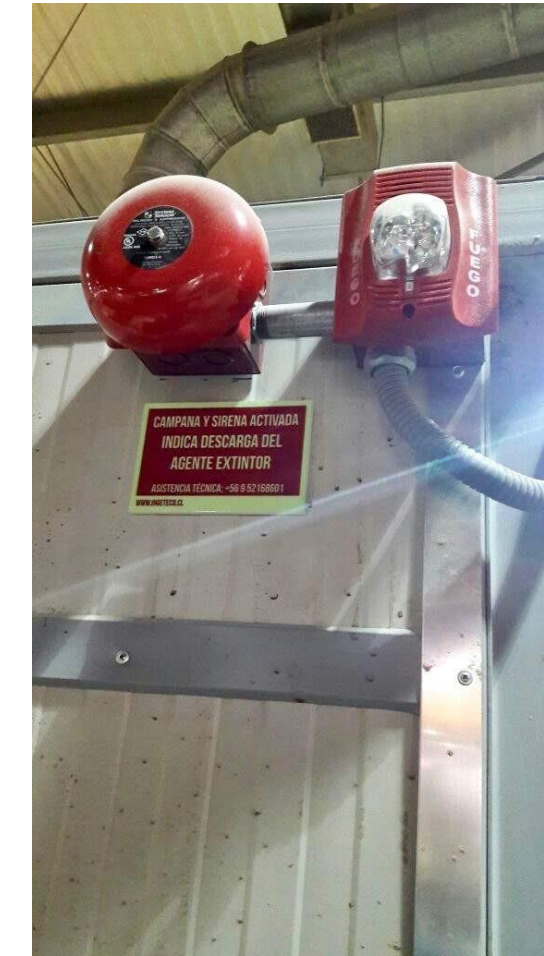


ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

Fire Detection and Suppression System Stat-X

Puerto Coloso, Antofagasta.

PROTECTION OF MOLDING AND PLANING MACHINES



ENGINEERING, SUPPLY, INSTALLATION, AND START-UP

Fire Detection and Suppression System Stat-X

Moldureras en Planta Trupan Cholguán, Yungay.

PROTECTION OF

GENERATION ROOMS AND BATERIAS

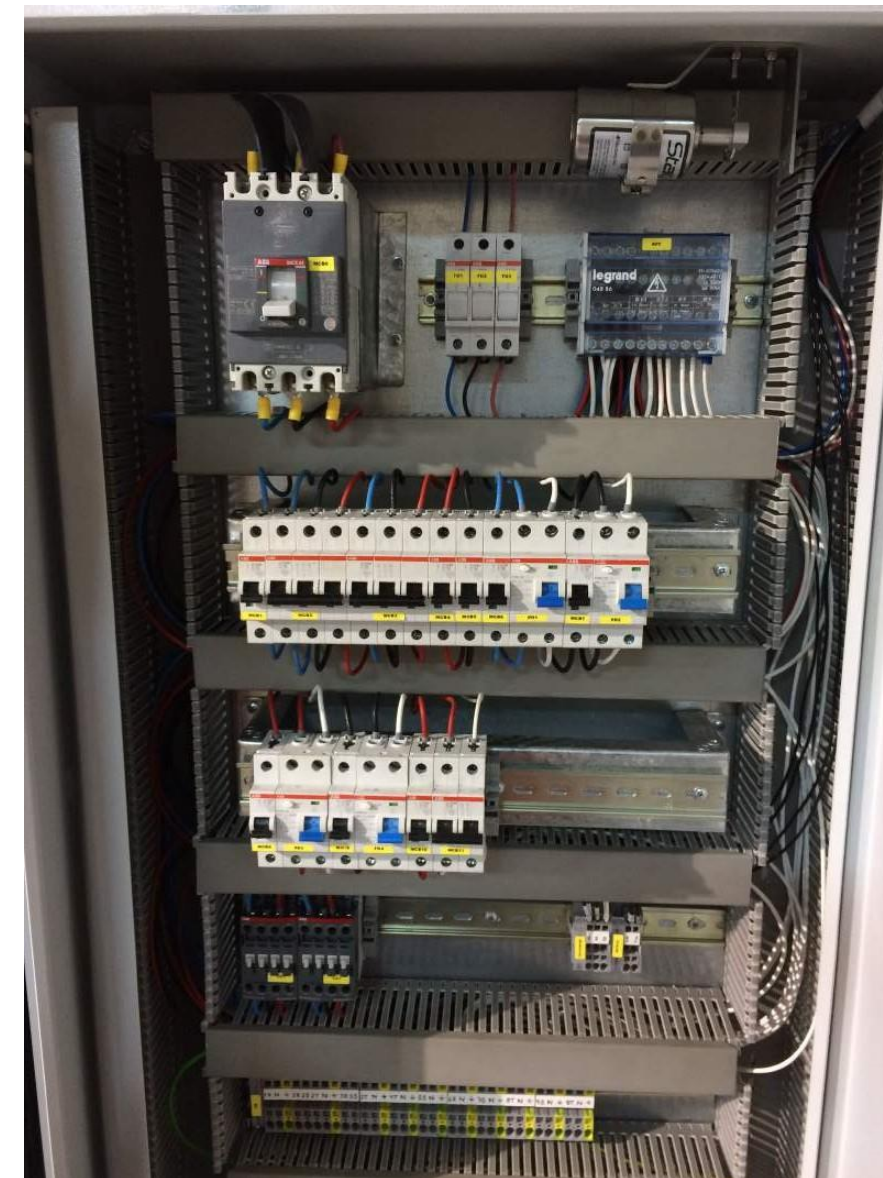
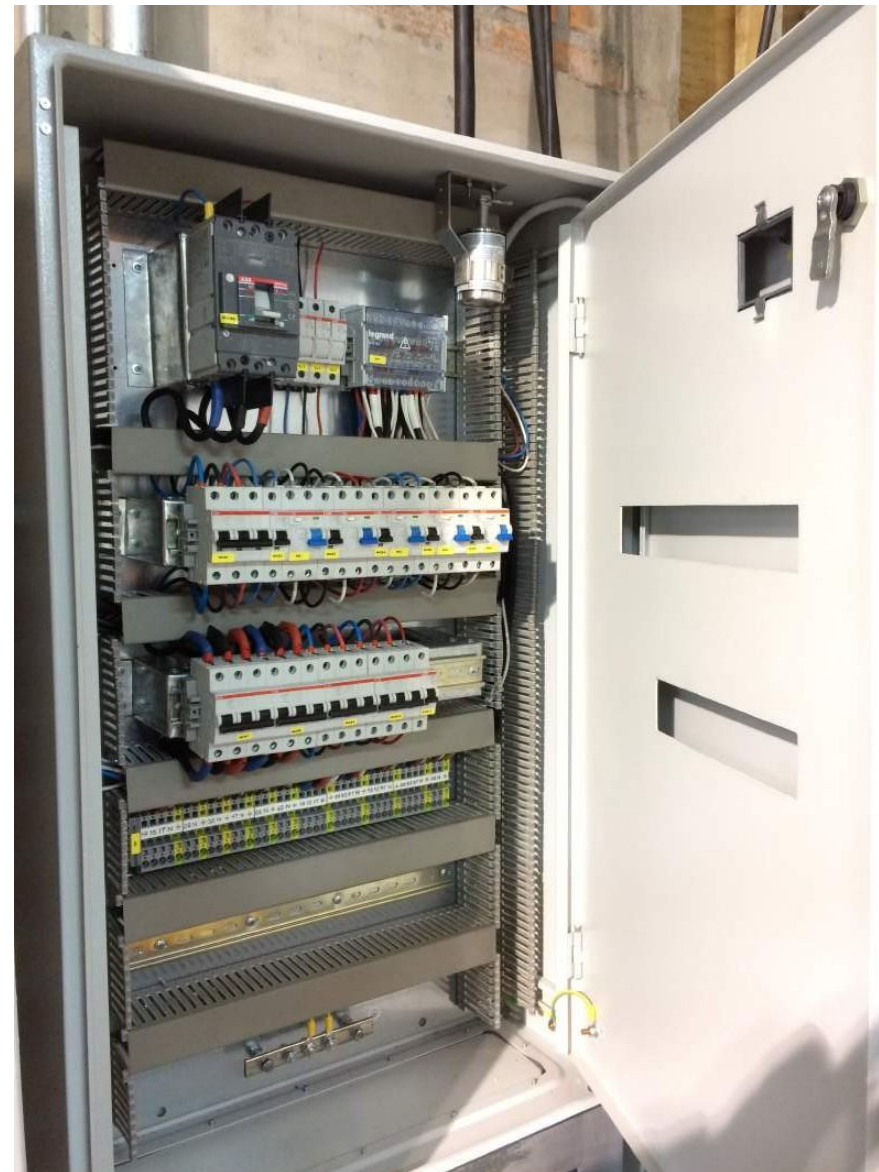


INSTALLATION AND START-UP

Fire Detection and Suppression System Stat-X

Huechuraba, Santiago.

PROTECTION OF 25 ELECTRIC PANELS



INSTALLATION AND START-UP

Fire Detection and Suppression System Stat-X

Electrical Panels, centro de distribución, Santiago.




PROTECTION OF

65 ROOMS OF PROJECT MAPA

arauco

CELULOSA PLANTA ARAUCO



Rooms Protected Total Volume	65 Rooms 79.087 m ³
Rooms Protected  (Novec 1230)	31 Rooms 42.900 m ³ 77.342 Lbs Novec 1230 
Rooms Protected  (Potassium Aerosol)	34 Rooms 36.187 m ³ 2.464Kg. Stat-X

ENGINEERING, SUPPLY AND INSTALLATION

Fire Detection and Suppression System Novec 1230 & Stat-X

Salas Eléctricas, Pisos de Cables y Salas de Baterías, Proyecto MAPA, Arauco.

THANKS!!!



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