

WE ARE A LEADING COMPANY IN THE CERTIFICATION, MAINTENANCE AND REPAIR OF BOILERS AND PRESSURE VESSELS PRESENT IN STEAM PLANTS

We provide the most specialized technical and legal advice in the country, in relation to the Regulation of Boilers, Autoclaves and pressure vessels that use steam (Supreme Decree N°10/2012 MINSAL).

PROFESSIONAL EXPERIENCE

Every day we face new challenges. Our skills and broad experience allow us to adapt to a wide spectrum of problems present in the industry, making use of our technology and innovation, guaranteeing quality services. Our company is oriented to emergency solutions, with specialized, reliable, and safe works.

Throughout our history, we have advised projects in different fields, such as:

- Construction and Assembly of Thermal Plants.
- Calculation Memories of Boilers, Autoclaves, and thermally pressurized metallic vessels.
- Non-Destructive Testing.
- Training in the areas of Thermal and Mechanical Engineering and efficient steam management.
- Industrial Combustion.
- Thermal balances and energy saving.
- Decontamination.
- Repair and Maintenance of Boilers, Autoclaves and pressure vessels that use steam.
- Inspection and Certification of Steam Generators, Boilers, Autoclaves, and pressure vessels that use steam.
- Maintenance, Calibration and Repair of Safety Valves.

FAILURE ANALISYS AND STRUCTURAL DIAGNOSIS

We have performed Failure Analysis in Boilers and thermally pressurized vessels, at the request of the Prosecutor's Office, Investigation Police Department, Insurance Companies and Defenders of Judgments of companies affected by the failures.

SERVICES

We offer a wide range of services:

1. Repair of Boilers, Autoclaves, and thermally pressurized metal vessels.
2. Preventive Maintenance and Performance Tests of Boilers, Autoclaves, and thermally pressurized metal vessels.
3. Regulatory Testing and Certification of Boilers, Autoclaves, and thermally pressurized metal vessels.
4. Inspections, Diagnostics and Failure Analysis in Boilers and thermally pressurized metallic vessels.
5. Repair, Maintenance and Calibration of Safety Valves in Test Bench.
6. Training in the fields of Mechanical and Thermal Engineering for personnel from Thermal Plants (Boiler and Autoclave Operators; Thermal Plant Managers and Supervisors; Mechanics, Electricians, and Instrumentation Technicians).

7. Structural Diagnostics and Boiler Adaptations for fuel conversion (Liquefied Petroleum Gas/Natural Gas).
8. Thermal Calculation and selection of Burners for Fuel Conversion in Boilers.
9. Equipment design and layout drawings for manufacturing (Autodesk Inventor).
10. Measurements, Non-Destructive Testing and Testing of Materials.
11. Gas Analysis and Combustion Calibration in Boilers.
12. Maintenance of components, accessories and control systems for Boilers, Autoclaves, and thermally pressurized metal vessels.
13. Burner Maintenance.
14. Consulting and Inspection of Boilers and Boiler Room according to local legislation (D.S. N°10/2012 MINSAL).
15. Sales of spare parts for Boilers and Burners.
16. Supply and Assembly of components for Boilers and Burners.

Aware of the need for the efficient use of energy, our work aims at optimizing processes. In addition, always interested in contributing to the care of the environment.

INDUSTRY SCOPE

Over time, our knowledge in the fields of Thermal and Mechanical Engineering, plus the efficiency of our procedures, have allowed us to conduct projects with first class results, generating bonds of trust and guaranteeing the safety of our clients and workers.

Our reach covers most of the industrial fields, such as:

- Pulp and Paper Industry
- Mining industry
- Petrochemical industry
- Electric Power Generation Industry
- Agri-food and Fishing Industry
- Steel industry
- Fuel Industries
- Cement industry
- Textile industry
- Timber Industry and Sawmills
- Bottling Industry

Our broad experience has allowed us to form an extensive network of clients:

1. PULP AND PAPER INDUSTRY

- Forestal e Industrial Santa Fe S.A.
- Norske Skog S.A.
- Cartulinas CMPC S.A. (Valdivia).
- Chilena de Moldeados S.A. (Thno).

2. MINING INDUSTRY

- Codelco Chile Div. Chuquicamata y Ventanas.
- Compañía Minera Doña Inés de Collahuasi SCM.
- Sociedad Química Minera Chile S.A.
- Sociedad Contractual Minera El Abra.
- Minera Escondida Ltda.
- Compañía Minera Disputada de Las Condes S.A. (Fundición Chagres).
- Compañía Minera Lomas Bayas.
- Compañía Minera Cerro Colorado Ltda.
- Schwager S.A.
- Cía. Minera Maricunga S.A.

3. PETROQUEMICAL INDUSTRY

- Enap Refinerías S.A. (Talcahuano y Concón).
 - Occidental Chemical Chile S.A.I.
 - Petroquímica Dow S.A.
 - Oxiquím S.A.
 - Nova Chemical Chile Ltda.
 - Harting Aromas S.A.
- ### 4. ELECTRIC POWER GENERATION INDUSTRY
- PetroPower Ltda.
 - Edelnor S.A.
 - Empresa Eléctrica Guacolda S.A.
 - AES Gener S.A.
 - ENESA S.A.

5. AGRI-FOOD AND FISHING INDUSTRY

- Agroindustrial Surfrut Ltda.
- Agrícola Essential Oil Ltda.

- Lácteos Frutillar Ltda.
- Iansafrut S.A. (Curicó)
- Danone Chile S.A.
- Geomar S.A.
- Conservas Castillo Ltda.
- Conservera Osiris S.A.
- Cargill.
- Ewos Chile.
- Cía. Pesquera Camanchaca S.A.
- Orizon S.A.
- Blumar S.A.
- Alimentos Marinos S.A. Alimar.
- Soc. Pesquera Landes S.A.
- Pesquera Itata S.A.
- South Pacific Korp S.A. (Thno. y Coronel).
- Pesquera El Golfo S.A.
- Pesquera Lota Protein S.A.
- Soc. Pesquera Tubul Ltda.
- Pesquera Bio Bio S.A.
- Pesquera San José S.A.
- Food Corp Chile S.A.
- Pesquera Bahía Coronel S.A.
- Sopesa S.A.
- Ind. Isla Quihua S.A.
- Alimentos Mar Profundo S.A.
- Sociedad Pesquera Viento Sur S.A.
- 6. STEEL INDUSTRY**
- Compañía Siderúrgica Huachipato S.A.
- 7. FUEL INDUSTRY**
- Innergy Soluciones Energéticas.
- Abastible S.A. (Talcahuano)
- GasSur S.A.
- Gasco S.A.
- Shell Chile S.A.C.E.I. (Talcahuano).

8. CEMENT INDUSTRY

- Cementos Bío Bío S.A.C.I.

9. TEXTILE INDUSTRY

- Santista Textil Chile S.A.
- Crossville Fabric Chile S.A.

10. TIMBER INDUSTRY AND SAWMILLS

- CMPC Maderas S.A. (Coronel).
- Forestal Tromen S.A.
- Promasa.
- Colcura S.A.
- Laminadora Los Ángeles S.A.
- Maderas San Lorenzo.
- Secadoras de Maderas Coronel.
- Maderas y Secado S.A.
- Monteverde S.A.
- Masisa S.A.
- Foracion Chile S.A.
- Maderera Río Itata S.A.
- Aserraderos Arauco S.A.
- Aserraderos Mininco S.A. (Pta. Mulchen).
- Maderas Prensadas Cholguán S.A.
- Aserraderos Paillaco S.A.
- Forestal Vigo Ltda.

11. BOTTLING INDUSTRY

- CocaCola Embonor S.A.
- Embotelladoras Chilenas Unidas (Santiago).
- Cerveceras Chilenas Unidas Ltda. (CCU Santiago y Temuco).

12. OTHERS

- Asmar (Talcahuano).
- Foster Wheeler Energía S.A. Chile.
- Enaex S.A.
- Industria Magisur Ltda.
- Miguel Maritano Industria de Jabones S.A.

In accordance with our expertise, we have provided assistance to engineering and technical sales companies, as well as boiler and burner manufacturers.

13. BOILER/BURNER MANUFACTURERS, TECHNICAL SALES, AND ENGINEERING COMPANIES

- Briones S.A.
- Vapor Industrial S.A.
- Babcock Chile S.A.

- Energías Industriales S.A. (Ex Calderas Arrical Ltda).
- Autoflame Chile Ltda.
- KPA Unicon.
- Thermal Engineering Ltda.
- Termodinámica Ltda.
- Ing. Civil y Comercial Nexxo Ltda.

In addition, we have advised universities, hospitals, corporations, and state institutions:

14. UNIVERSITIES, HOSPITALS, STATE INSTITUTIONS AND CORPORATIONS

- Sec. Ministerial de Vivienda y Urbanismo.
- Serviu Región del Bio Bio.
- Asociación Chilena de Seguridad.
- Instituto de Seguridad del Trabajador.
- Hospital Regional de Concepción.
- Hospital de los Ángeles.
- Hospital Tomé.
- Hospital de Vallenar.
- Hospital las Higueras.
- Hospital del Trabajador Concepción.
- Hospital Traumatológico Concepción.
- Hospital de Yumbel
- Universidad del Bío Bío
- Universidad de Concepción
- Corporación de Capacitación de la Construcción
- Corporación de Capacitaciones y Empleo SOFOFA
- Municipalidad y Dirección de Salud de Talcahuano
- Dirección de Salud de Atacama
- Municipalidad de Penco
- Empresa de Ferrocarriles del Estado
- Cía. Nacional de Energía S.A. (CONADE y DALKIA)

Seek expert advice.

Kind regards,



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