Reliable Technology

Acero de los Andes

has a professional and highly qualified experienced staff, with specialized engineering and cutting-edge software, fully equipped and suitable industrial facilities, plus an integrated quality system, allowing us to make reliable products, meeting all international quality standards and the requirements of the most demanding customers.

As part of strategic planning, our alliances are made with top international companies, which promote technological innovation and guarantee to provide integral and reliable solutions in highly complex projects.

Quality Certificates ISO 900I-2008, ASME U, U2, S, R





















Management and Quality Control procedures that meet the highest international standards and certifications

Corporate Group

IAA is an important part of Ecuadorian Business Group, which in close partnership with affiliated companies, form a value chain, integrating: engineering, manufacturing, construction, assembly, automation and control, logistics and services that ensure the provision of high quality solutions.







ACERO DE LOS ANDES

Engineering - Manufacturing - Assembly

Business Sectors

Oil and Gas







Auto-tank of 54 m3 for LPG - AGIP

Energy





Guemes Thermal Power Station - PAMPA ENERGIA

Industrial





Infrastructure and Mining





Washing Plant for Alluvial Gold - ECUMINAS

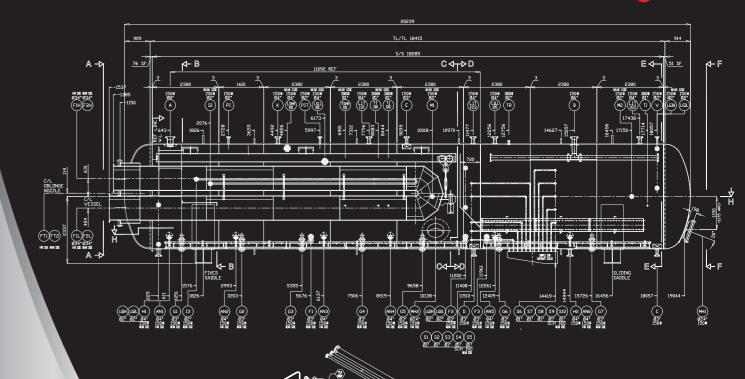
Trusses Guayasamin Tunnel - CARTELLONE

Av. Eloy Alfaro N 30-341 y Amazonas, Edif. Finandes, 1er. Piso. Phone: (593-2) 250 3600 / 601 / 602 Fax: (593-2) 250 3633 E-mail: iaamain@aceroandes.com

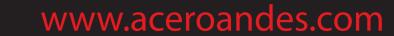
Panamericana Sur Km 14 1/2 Parque Industrial Turubamba (PIT) Phone: (593-2) 269 0141 / 652 / 955 Fax: (593-2) 269 0954 E-mail: iaaplant@aceroandes.com

ACERO DE LOS ANDES

Towards new challenges







Trajectory

IAA has manufactured capital goods with metal-mechanic content, equipment and facilities for oil and energy projects of great relevance implemented in Ecuador, such as first and second extension of the Esmeraldas refinery, construction and first expansion of the Amazonas refinery, production facilities oil in the Ecuadorian Orient, Mazar hydroelectric projects, Paute, Agoyán, among others.

Since 1992, IAA has enters into the regional market exporting process equipment, pressure vessels and storage tanks to Argentina, Brazil, Bolivia, Peru, Colombia, Venezuela, Central America and the Caribbean.

Product of technological development reached during our business growth in 2009, IAA achieved the first export of distillation towers, high-tech refinery in the Middle East and Africa, an event that promises to achieve more ambitious projects in the coming years.



Γanque T- 01 - CEPE

The first flagship project was the construction of the 01 tank to CEPE of 60,000 BBL of oil torage capacity.



Manifolds - Bolivia

AA export activity, began in 1992 with the export of 2 Manifolds ANSI 300 # to Bolivia, a market hitherto supplied only by the uthern Cone countries and the United

Client: Yacimientos Pretrolíferos fiscales de Bolivia

Experience, Innovation and Leadership in the Manufacture of Capital Goods



Process Equipment

ew months after the peace treaty with export 20 process equipment, to Manaus razil for PETROBRAS refinery in that city. Client: Confab - BRASII



Electrostatic Heater Ecuador

Flectrostatic Heater Treater Pressure 100 PSIG, Capacity 10.000 BFPD 12 MM BTU/h with ASME Stamp Client: City Oriente - Petreco - USA

34.500 m2 **Total Area**

Manufacturing Area

Courtyard Storage

Green Areas and Circulation

Warehouse



Production Facilities

IAA has an Integrated and highly equipped Manufacturing Plant to develop various production processes

10.000 m2

1.500 m2

10.000 m2

13.000 m2

including cutting, forming, machining, welding, heat treating, painting, non destructive testing, among others.



Plant Equipment



Dimensions 6m H. x 6m W. 18m D. 2 Burners LPG







Gantry for Welding and Positioners Longitudinal Displacement 3.5m automatic. Vertical Displacement 3m automatic



Blasting continued train for: Sheets, Pipes and Outlines Dimensions 8m H. x 6m D. x4m de W It has 6 turbines of 20 HP.



Turning Radius 2200 mm. Velocidad de 4 a 1420 rpm



With a combined capacity of 60 tons



Maximum Thickness 1'



Stress Relief Oven High temperature 750° C. Internal Dimensions: 6m H x 4 5m W x 14m D



Horizontal Lathe. Turning diameter of 4 m on the pit Max turning diameter. 2m on the bedplate.



Capacity of 300 tons. Vertical displacement 1m

Ecuador



Atmospheric Tanks

23 API 650 Tanks with capacities from 5,000 to 20,500 BBL to BBL for Proyecto La Cira Infantas en Barrancabermeja

Client: OxyAndina - COLOMBIA

Colombia

Refining Columns and Process Equipment

AMAKPE refinery in Nigeria, with a nitial capacity of 6,000 BBL / day and for KAR refinery in Iraq, with a capacity of 20,000 BBL / day **Client:** Ventech Engineering - USA



Salt Oven Ecuador

Salt Oven for Gas Plant CIS., with gas processing capacity of 7,000 m3 / h. Client: EP Petroecuador - ECUADOR

20H



Cameras Flash Ecuador

2 Cameras Flash for Refinery La Libertad water desalination capacity of 8.000 als / h.

Client: EP Petroecuador - ECUADOR

Major Product Lines and Services

- ➤ Oil Flash Vessels.
- Oil and Gas Separators.
- Oil and Gas Heaters.
- Electrostatic Treaters.
- > Heat Exchangers.
- Columns / Towers Distillation, Fractionation, Deisopentanizer.

- Flare Knock Out Drum
- > Free Water Separators
- Multiphase Separators.
- Oil Storage Tanks and their Derivatives API 650, 12D, 12F, API 620.
- ► Elevated Water Storage Tanks AWWA 210.
- Cone roof tanks, Self-supporting dome, Floating Aluminum Dome.

Underground Storage Tanks

> Spheres.

Pressure Vessels Heavy Structures

- Storage Vessels for: LPG, CO2, NH3, H2, etc.
 - > Telescopic Structures.
 - > Skids for Chemicals Injection.
 - > Ladders and Platforms.

➤ Pig Launchers & Receivers.

- Ducts.
- Hydromechanical components Spools Prefabrication.

Services Line

- Modifications and repairs with Certificate ASME U and R.
- ➤ Blasting with metal particles for large equipment, using turbines for flat plates and cabins (6mx4mx18m).
- Painting in a pressurized cabin and climatized.
- > Localized heat treatment and furnace for large equipment. > Inspection of new equipment and manufacturing process.
- Mechanical assembly of API tanks and pressure vessels.
- > Installation of equipment in the field. API Tank Repairs with API 650 Inspector

Process Equipment for the Oil Industry Atmospheric Tanks

> VRU Knock Out Drum.

- > Crude Oil Degasser.
- > Reflux Accumulator

- Stationary Vessels.
 - Tankers for: LPG, CO2, NH3, Fuel and Cement. ➤ Gas Boot.
 - > Air Compressed Vessels

Pressure Pipes

- > Bridges. ➤ Gantry Crane
- Package skid.
- ➤ Pipe Racks.
- Tunnel Trusses.

> Manifolds.

- > Fireplaces.
- ➤ Pressure Pipes
 - Fire Tube Lines.