



**GRUPO AXIS**

50 YEARS OF

**INDUSTRIAL  
EXCELLENCE**

 **Foster Wheeler  
Mexicana**

Ingeniería  **Peabody**<sup>MR</sup>

 **FORMETAX \***  
UNA EMPRESA DE GRUPO AXIS



# GRUPO AXIS

## ABOUT **OUR COMPANY**

Core business: Design and manufacturing of heat transfer equipment for the use in refining, petrochemical, chemical industry and power generation.



**1969**

**Start Our Company**

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and formed by two independent companies



**Foster Wheeler  
Mexicana**




**Ingeniería Peabody**



# GRUPO AXIS

Oscar Larrabure Infante

 **Foster Wheeler Mexicana**  
**Design**  
**Adan Herrera**

**Industrial Boiler Design**

**Direct Fired Heaters Design**

- ⬡ New Equipment
- ⬡ Modernization
- ⬡ Rehabilitation

**HRSG Desing**

- ⬡ Vertical & Horizontal Design
- ⬡ Triple pressure
- ⬡ Fresh air capabilities

 **Foster Wheeler Mexicana**  
**Manufacture**  
**Daniel McIntosh**

**Services**

- ⬡ Detail Engineering
- ⬡ Structure Seismic Design
- ⬡ Fabrication

**Fabrication**

- ⬡ Vessels
- ⬡ Columns & Towers
- ⬡ Direct Fired Heaters
- ⬡ HRSG
- ⬡ Surface Condensers
- ⬡ Others

 **Ingeniería Peabody**  
**Miguel Armenta**

**Process Burners  
Flares  
Pit Burners**

- ⬡ New Equipment
- ⬡ Modernization
- ⬡ Rehabilitation

**BMS Desing**

- ⬡ Engineering under NFPA
- ⬡ Installation
- ⬡ Maintenance

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- ⬡ Heads fabrication
- ⬡ Special products fabrication
- ⬡ Heat Treatmets

## BUSINESS STRUCTURE

# COMPANY PROFILE

DESIGN, MANUFACTURING,  
AND ERECTION OF:

- ◆ Boilers up to 990,000 pph
- ◆ Fired Heaters
- ◆ HRSG up to 50MWe
- ◆ Surface Condensers and Feed Water Heaters



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Mexicana**



# Our Industry Activity

## Boilers

### Services:

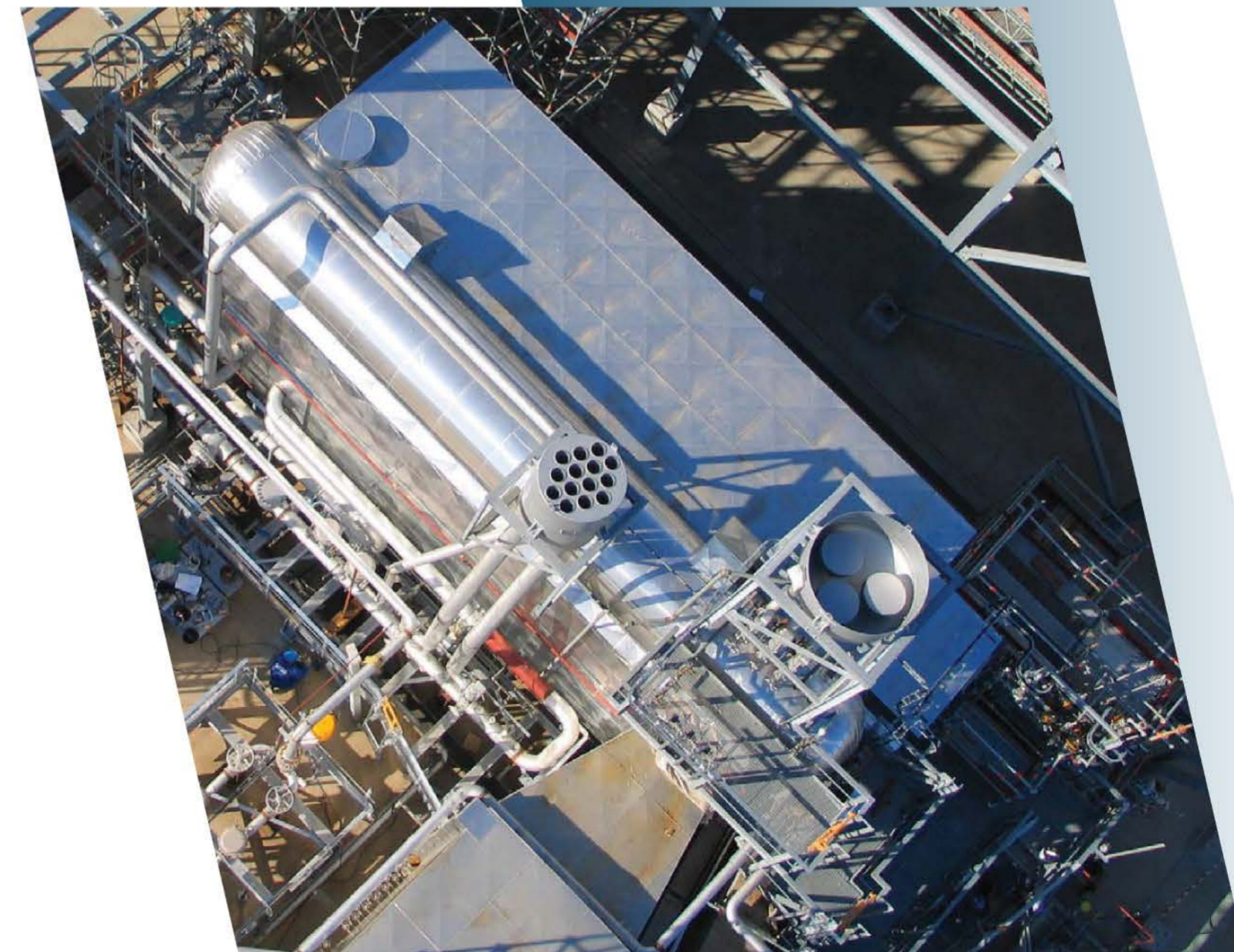
- ◆ Design
- ◆ Manufacture
- ◆ Installation
- ◆ Modernization
- ◆ Revamps & Rehabilitation

### To:

- ◆ Package Boilers
- ◆ Industrial Boilers
- ◆ Utility Boilers
- ◆ BCF Boilers
- ◆ CFB Boilers
- ◆ Old Steam Generators any brand



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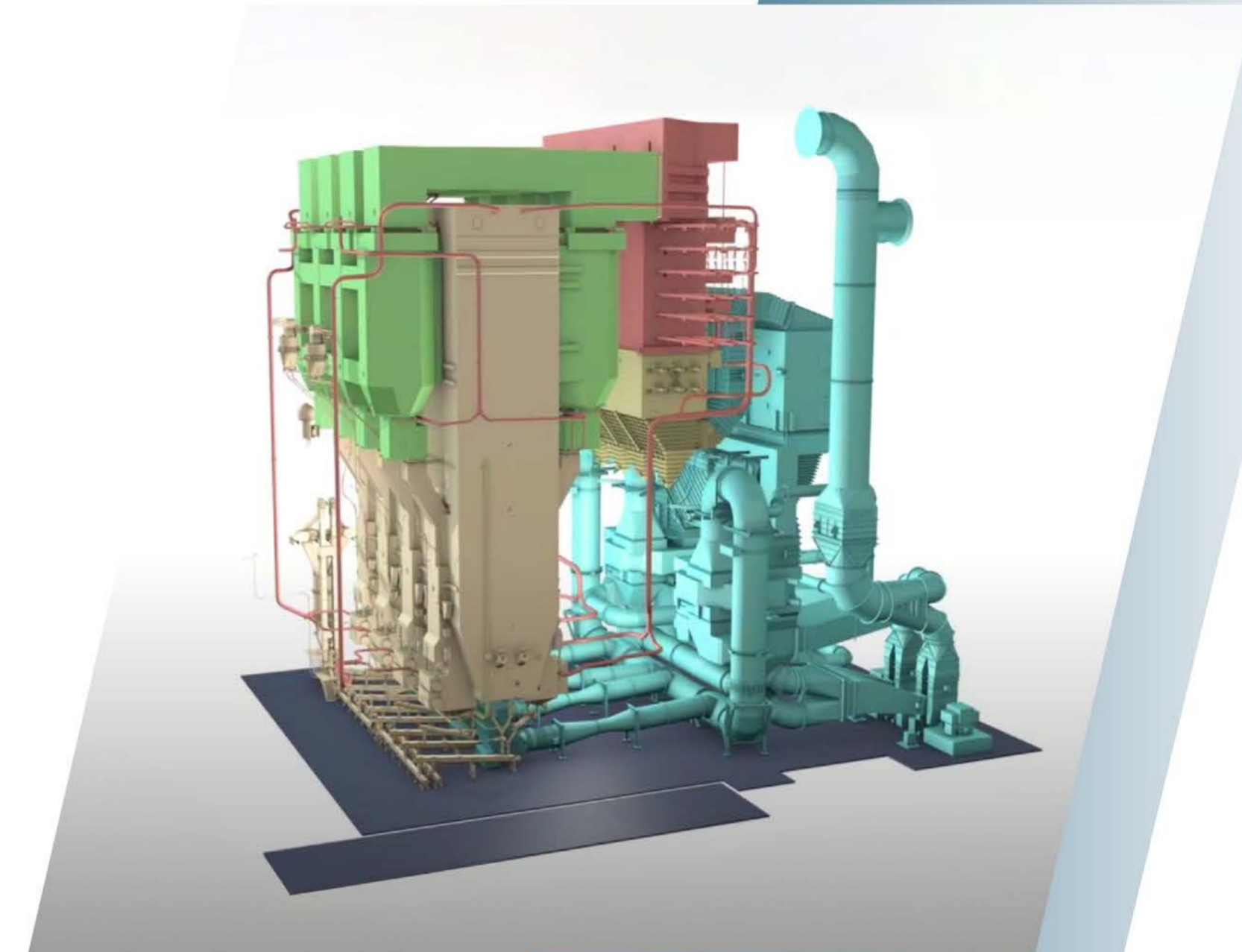
# Our Industry Activity



## Boilers

### Services:

- ◆ CFB Boiler repair under agreement
- ◆ Spare parts manufacture
- ◆ Pressure parts fabrication
- ◆ Installation



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# Our Industry Activity

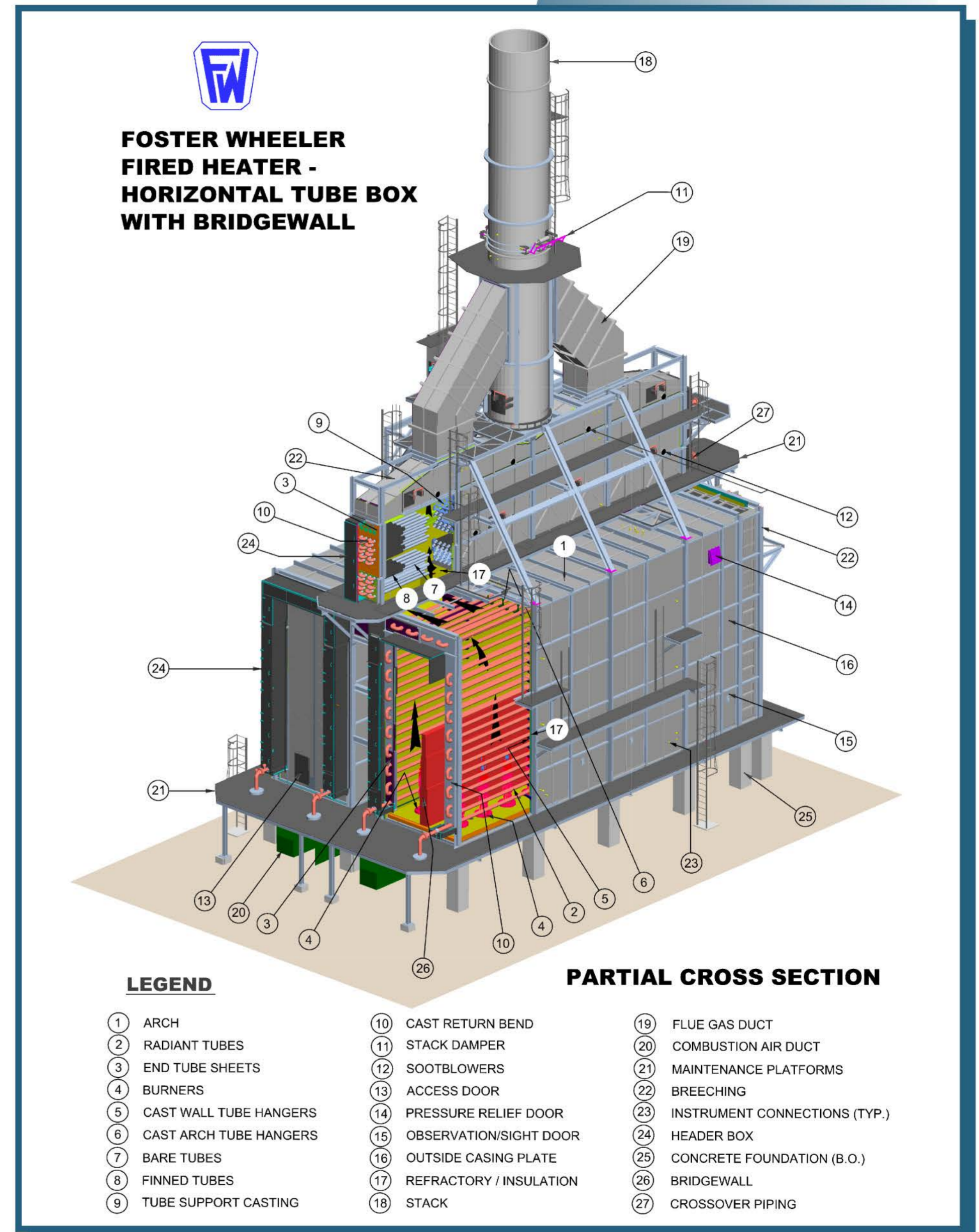
## Fired Heaters

### Services:

- ◆ Design
- ◆ Manufacture
- ◆ Installation
- ◆ Modernization
- ◆ Revamps & Rehabilitation

### To:

- ◆ Old Fired Heaters any brand
- ◆ Vertical Cylindrical Type
- ◆ Horizontal Tube Box Type
- ◆ Arbor Type



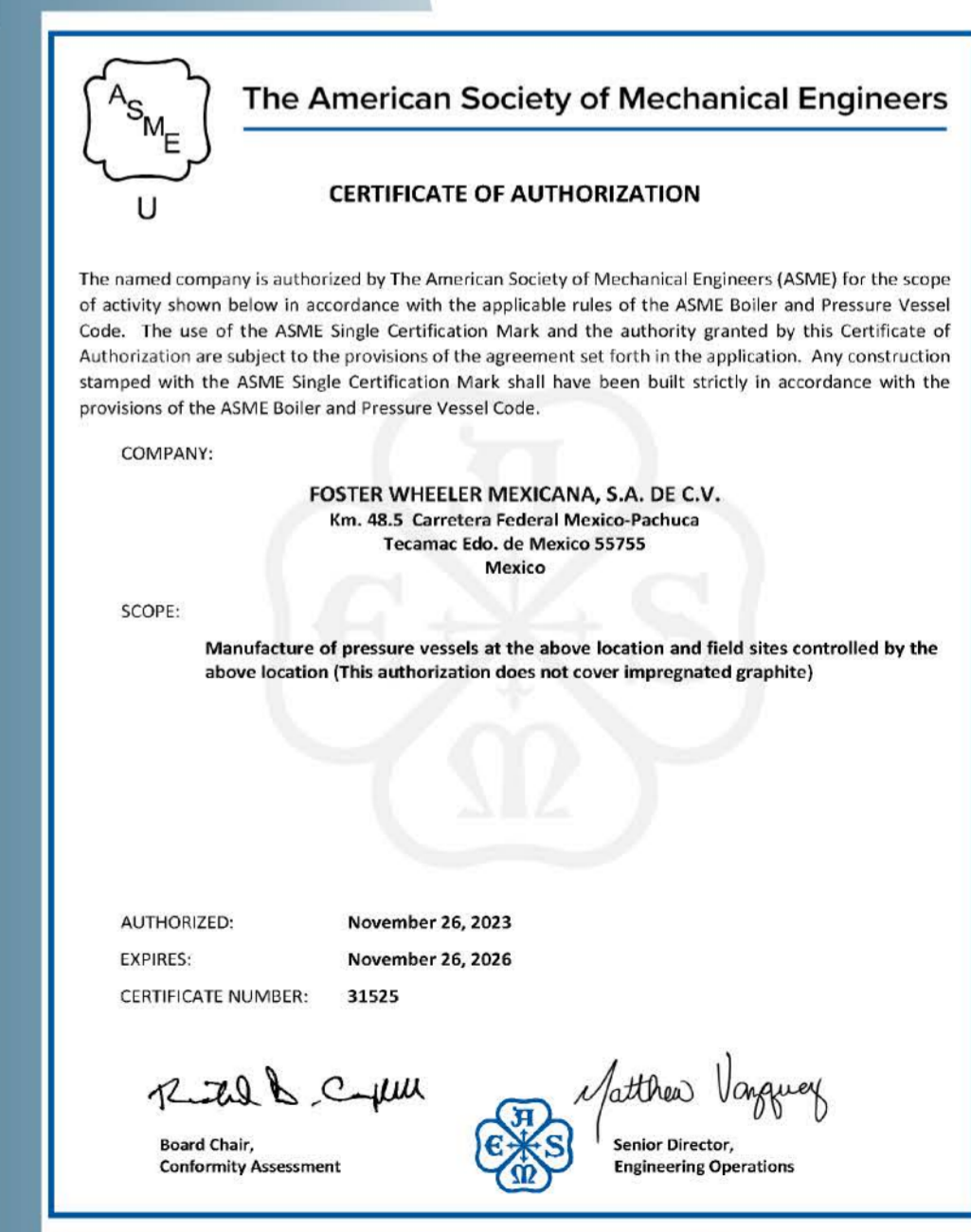
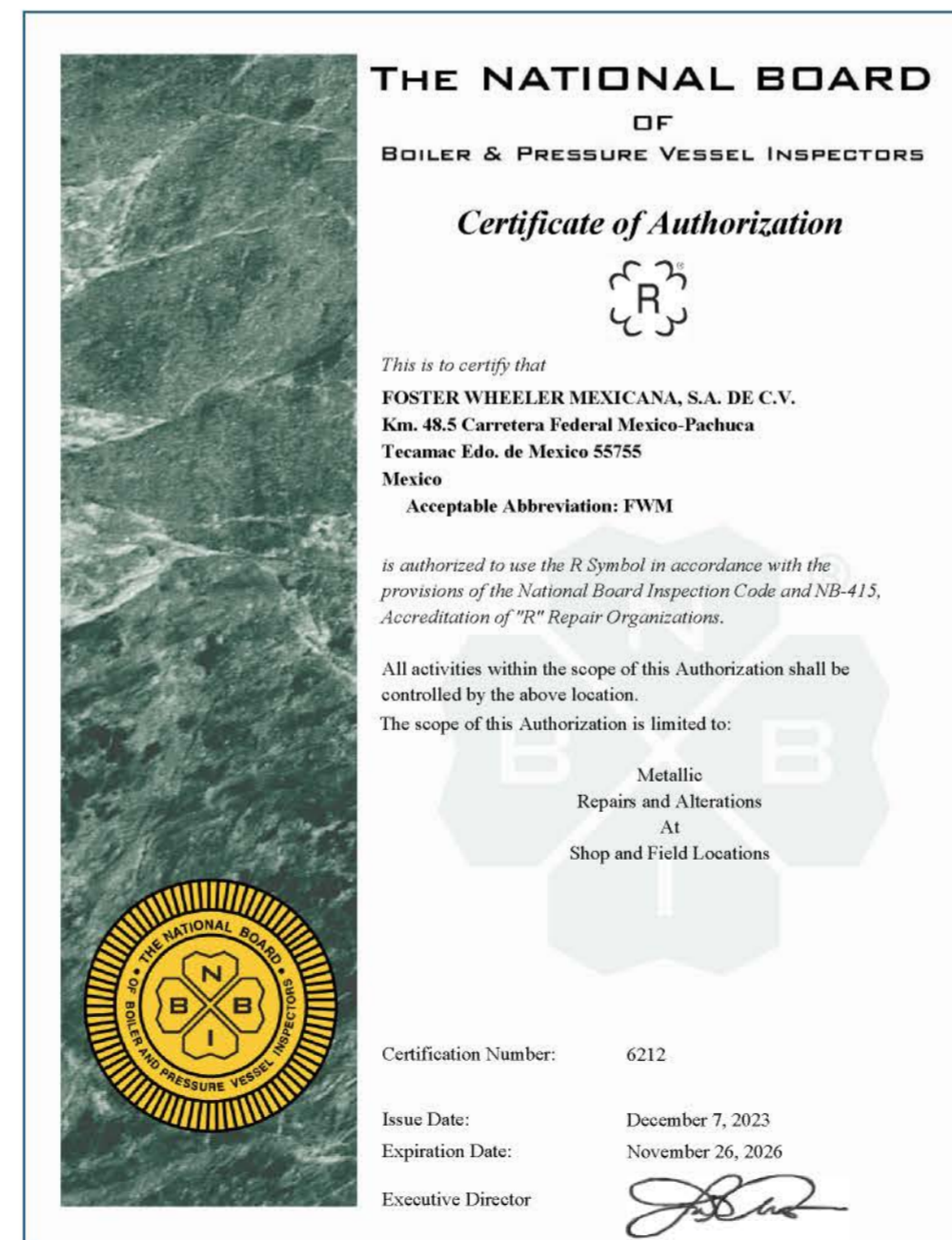


Foster Wheeler Mexicana

# COMPANY PROFILE

## DESIGN, MANUFACTURING AND DETAIL ENGINEERING OF INDUSTRIAL METAL PRODUCTS:

- ◆ ISO 9001:2008 Quality Assurance System
- ◆ Certification ASME "R", "S", "U"





# Manufactured Products

## Design & Manufacture

- ◆ Vessels
- ◆ Heads
- ◆ Columns & Towers
- ◆ Heat Exchangers
- ◆ Stacks

## Other Services

- ◆ Heat Treatments
- ◆ Quenching
- ◆ ASME Stamp



# COMPANY PROFILE

DESIGN, INSTALLATION,  
MAINTENANCE & REHABILITATION:

- ◆ Burner Management Systems Design.
- ◆ Exclusive Peabody Technology.
- ◆ ISO 9001:2008  
Quality Assurance System.





# Main Products

## Design & Manufacture

- ◆ Low NOx burners for boilers
- ◆ Low NOx burners for Fired Heaters
- ◆ Flares Self-Supported
- ◆ Pit Burners and Derrick

## Services:

- ◆ BMS design
- ◆ Characterization of old burner systems
- ◆ Improvement of efficiency on Burner systems





**Boiler Burners**

Site - CFE Tula



**Pit Burners**

Site - New PEMEX



**Flares**

Site - Cadereyta Refinery

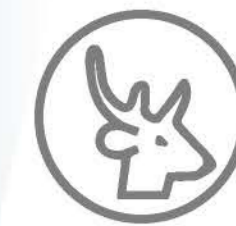
# National Executed Projects



**2005 / 2007**  
**Minatitlan Refinery**

20 Process Columns

# National Executed Projects



**CCR La Cangrejera**

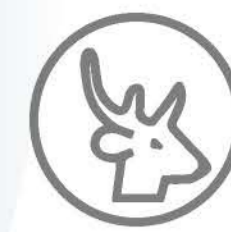


**Tula Refinery Sector 8**

# National Executed Projects

◆ SD Boiler CB2N  
550,000 pph

Madero's Refinery





## CANADA

### Edmonton

- ◆ Package Boilers Pressure Parts

## CHILE

### Mejillones

- ◆ 2 Condensers
- ◆ 14 Feed Water Heaters

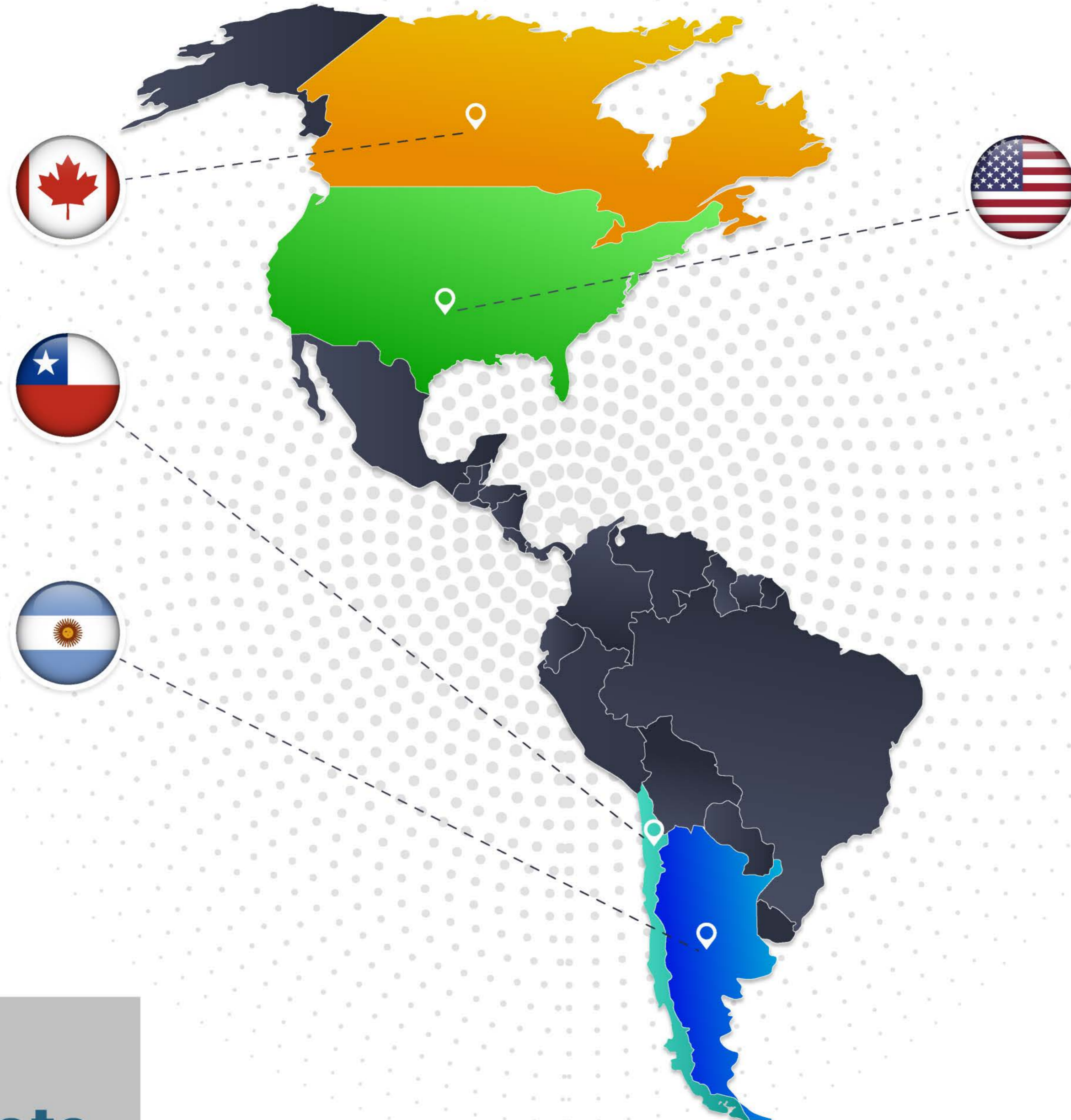
## ARGENTINA

### Loma la Lata

- ◆ Condenser

### El Pilar

- ◆ Condenser



## USA

### Mississippi Chevron CCR

- ◆ Direct Fired Heater 780 tons

### Barrick Gold Strike

- ◆ 2 packages Boilers

### Idaho Agrium

- ◆ Economizer

### Tonopah & Mojave Solar Power Plant

- ◆ Feed Water Heaters

### North West Read Water

- ◆ 3 Boiler Pressure Parts

### SunCokeEnergy

- ◆ Steam Drum HP

International  
**Exported Projects**





# International Exported Projects

## Heat Exchanger

◆ Mejillones, Chile



## Condenser

◆ Loma la Lata, Argentina



## Condenser

◆ El Pilar, Argentina



# Experience to Revamp **Industrial Equipment**

- ◆ Direct Fired Heater Revamp at Tula's Refinery
- ◆ Revamp of Waste Heat Recovery Boiler at Catalytic Plant Salina Cruz Oaxaca Refinery
- ◆ Direct Fired Heater Revamp at Hydrodesulphurization at Cadereyta's Refinery
- ◆ Revamp and Upgrade of 2 Surface Condensers at CFE Tula



**Convection Section Coker**

◆ Minatitlan Refinery



**Rehabilitation ABA**

◆ Tula Refinery



**Boiler Substitution**

◆ Madero Refinery

# National Executed Projects

## ◆ Package boiler 77 T/h

Tula Petrochemical  
Complex



Foster Wheeler  
Mexicana



# Executed Projects

## 2017



- ◆ HRSG for IPP  
Cogeneration 50MWe
- ◆ Fabrication and Erection of 2 HRSG  
220MWe each for Public CC PP  
with High Percentage  
of Local Content



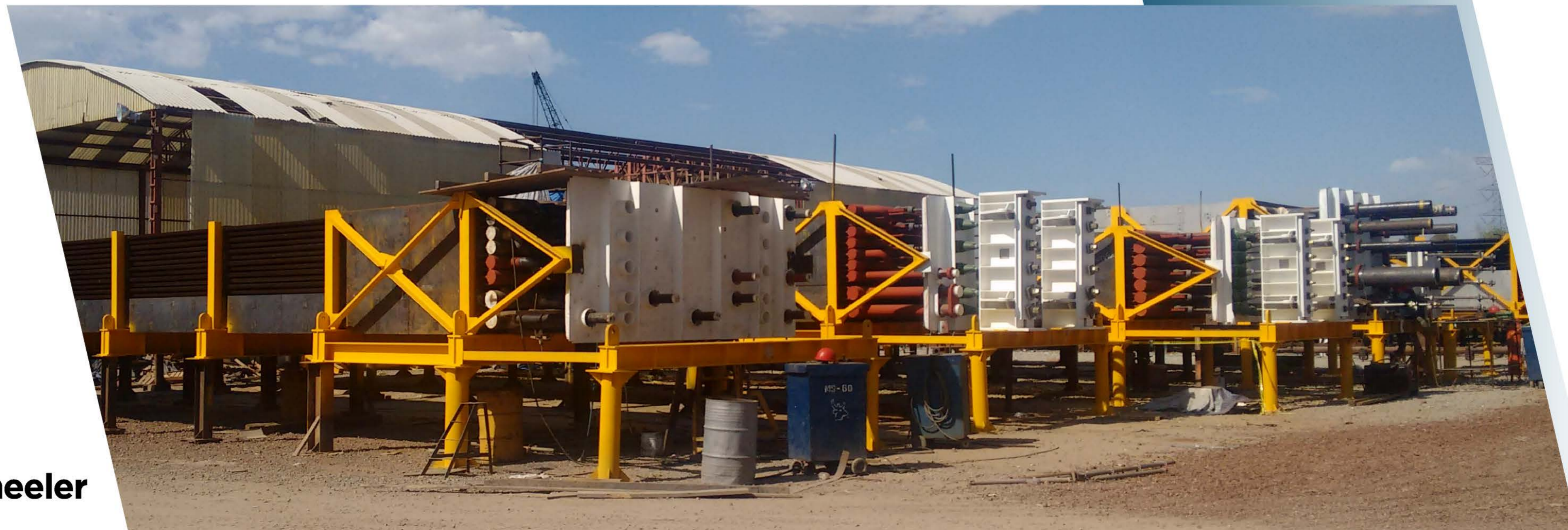
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# Executed Projects 2017



◆ Harps for two  
HRSG CC 615MW

Valle de  
México



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Mexicana

# Executed Projects

## 2018

- ◆ Fabrication and erection of 2 HRSG 220MWe each for Public CC PP



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# Executed Projects

## 2018



- ◆ Surface Condenser for old CCPP
- ◆ Revamp and upgrading two old Surface Condenders



**Shop Fabrication**



- ◆ Dismantling and erection of Unit 6

# International Collaborations



Foster Wheeler Mexicana



**HANBAL MASSTECH LIMITED**  
MASS TRANSFER TECHNOLOGY


- ◆ Hanbal Masstech Limited (HML) and Foster Wheeler Mexicana (FWM) have recently formalized a **collaboration for the design and manufacture of Separators, Towers and Columns with separation internals destined for the national market in Mexico**. Under this agreement, HML will be responsible for the design of the equipment, while FWM will carry out the production. The collaboration, effective from December 2023, will focus on **offer high quality engineering solutions** for the sectors of Oil and Gas, Petrochemical Industry, as well as other public or private facilities.

These equipment will be designed and manufactured **to meet the specific needs of customers and their separation and distillation requirements**. Foster Wheeler Mexicana will carry out the production of these units at its facilities in Tecamac, State of Mexico.







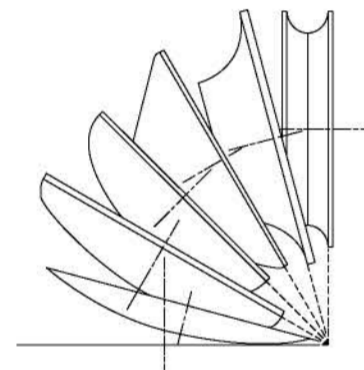
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Ingeniería Peabody



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Furnaces



Headquarters




Workshop

# WORK AREA

Land Area 968,800 sq Ft

Shop Area 60,000 sq Ft



GRUPO  AXIS

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Mexicana**

 **Ingeniería Peabody**

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# LOCATION

 **Carretera Federal  
Pachuca - México, Los Reyes Acozac  
Estado de México, México**

 **ventas@axisfoster.com**

 **779 796 9830**






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[www.axisfoster.com](http://www.axisfoster.com)



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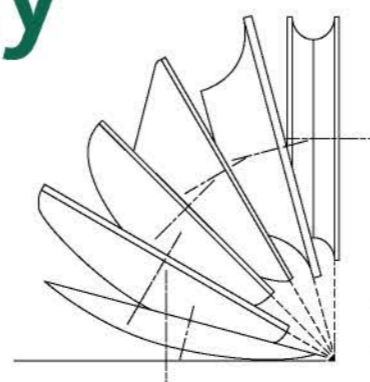


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