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# **EDGE**

ENERGY SERVICES

**WHERE INNOVATION AND VALUE MEET**

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▪ SAFETY

▪ INTEGRITY

▪ EXCELLENCE

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# AGENDA

## About EDGE:

- ✦ Mission & Values
  - Safety
  - Integrity
  - Excellence

## Capabilities:

- ✦ Steel Mill Audits per API
- ✦ Develop and Execute repair plans for Steel Mill & Pipe Mills



# OUR VALUES



Dedicated to providing best-in-class services through safety, integrity and excellence.



**Safety** is more than an industry buzzword. It is a lifestyle. We take personal responsibility for our own safety and those around us and the environment.



**Integrity** is a mindset. We are honest, trustworthy, respectful, and ethical in our actions.



**Excellence** sets us apart. We strive for flawless execution and pursue success relentlessly.

# STEEL MILLS WE HAVE WORKED



Performed Mill Audits (QA/QC, ISO, Safety, Processes, etc....):

- JFE (Japan)
- Sumitomo (Japan)
- Berg-Europipe (Germany)
- CPW (Greece)
- Tuboacero (Mexico)
- Tenaris-TAMSA (Mexico)
- Tenaris (Brazil)
- Mill Steel Co. (Birmingham AL)
- JSW Steel Co. (Baytown TX)

# STEEL MILLS WE HAVE WORKED

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# CAPABILITIES

EDGE ADVANTAGE



## EDGE leadership with deep experience

- **Carlos Guzman** – CEO, 25 years exp.
  - **Samuel Pruneda** – Sr PM, 25+ years exp.
  - **Felipe Gutierrez** – Sr PM, 25+ years exp.
  - **Jorge Arredondo** – HSE Manager, 15+ years exp.
- Construction services
    - New Capabilities
      - Module Fabrication
      - Program and Project management
      - Mechanical and Piping
      - Engineering & Science
  - Facility maintenance and turnarounds
  - Civil foundation construction
  - Site construction
  - Develop & Engineer Repair plan for Civil & Structural
  - Develop & Engineer Repair plan for Piping & Mechanical

# CAPABILITIES – PROJECT ENGINEERING SERVICES



## Process Engineering / Process Design

- Design Basis Document
- Process Simulation Report
- Heat and Material Balance
- Equipment Data Sheets
- Relief Valve Sizing and Selection
- Flare Header Analysis
- Process Flow Diagrams (PFDs)
- Piping and Instrumentation Diagrams (P&IDs)
- Plot Plan
- Calculations – Hydraulic, Velocity, Line Sizing
- Calculations – Vessel, Exchanger, and Rotating Equipment Sizing
- Client Design Review Meetings
- Engineering/Construction documentation audits



## Mechanical Engineering / Pipe Design

- Mechanical / Piping Drawing List
- Skid Layout
- Piping Key Plan
- Piping Plans
- Piping Isometrics
- Material Take Off List
- Client Design Review Meetings
- Assemble Mechanical / Piping Specifications
- Inspection Test Plans for Purchased Equipment
- 3-D Modeling of Facility
- Mechanical Equipment List
- Interconnect Piping-Line List
- Interconnect Piping – Valve List
- Equipment Data Sheet Creation
- Engineering / Drawing Checking

# CAPABILITIES – PROJECT ENGINEERING SERVICES



## Electrical & Instrument Engineering

- Conduit and Cable Schedule
- Electrical Equipment List
- P&ID Support
- Instrument Index
- Instrument Details
- Instrument Specification Sheets
- Control / Shutdown Valve Data Sheets
- Cause and Effect Diagram
- Area Classification Drawings
- Skid Junction Box and Wiring Diagrams
- Electrical One-Line Diagrams
- Motor Control Center (MCC) Design
- Process Control System (PCS) and Safety Shutdown System (SSS) Design
- Electrical Load Calculations
- Engineering / Drawing Checking



## Civil / Structural Engineering

- Skid Structural Steel Drawings / Detail Support / related calculations
- Structural Steel / Pipe Rack Drawings for Main Pipe Rack and Miscellaneous Piping Supports in Process Area
- Foundation drawings for Skids, Loose Equipment, Main Pipe Rack, and Miscellaneous Supports
- Engineering and Design of Foundation - New Construction and Repairs



# CAPABILITIES – PROJECT SUPPORT SERVICES



## PROGRAM & PROJECT MANAGEMENT

- EPC / EPCM
- Constructability
- Environmental Services
  - \* Environmental Permitting
  - \* Environmental Compliance
  - \* Environmental Inspection



## CIVIL WORKS

- General Civil Works
- Gravel Roads & Pads
- VSMs & HSMs Installation
- Thermosyphons
- Soil Stabilization
- Trenching & Directional Drilling
- Conductor Installation



## CONSTRUCTION – Petroleum and Chemicals, Fast Track, Turnarounds, Heavy/Light Industrial

- Field Installation
  - Mechanical & Piping
  - Electrical & Instrumentation
  - Structural
  - Architectural
- Shop Fabrication
  - Modules and Skids
  - Pipe Racks and Piping Spools
  - Launcher & Receiver Skids
  - PI & Riser fabrication
- Functional Check-Out (FCO)



## ACCESS

- Scaffolding & Platforms
- Rope Access



## EQUIPMENT & TRANSPORTATION

- Equipment Lease / Operators Heavy Haul & Heavy Lift
- Equipment Maintenance
- All Terrain Vehicle Transport

# CAPABILITIES – SPECIALTY SERVICES

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## SPECIALITY SERVICES

- Exotic Welding
- Heat Exchangers
- Towers & Vessels
- Fire & Gas Systems



## CRAFT & STAFF

- Equipment Operators
- General Maintenance Techs
- E&I Techs
- F&G Techs
- Mechanical Techs
- Pipe Fitters
- Welders
- Scaffolding
- Mill Wrights



## SPECIALTY COATINGS

- Containment Liners/Roof
- Specialty Coatings
  - Denso
  - FBE Coating
  - Multi-Part Paints



## INSPECTION & NDE SERVICES

- Certified Welding Inspections
- Civil & Structural Inspections
- Regulatory Inspections
- NACE Inspections
- Code Compliance Inspections



## CORROSION MONITORING & PREVENTION



## HAZARDOUS & TOXIC SUBSTANCES

- Asbestos, Lead, & NORM
  - Surveys & Abatement
  - Program Mgt.
  - Disposal & Disposal Mgt.
- Demolition

The image features two hands in dark suits holding two interlocking gears. The gear on the left is light gray and contains the logo for 'EDGE ENERGY SERVICES'. The gear on the right is white and contains the logo for 'CLIENT'. The background is a light blue gradient.

**EDGE**  
ENERGY SERVICES

**CLIENT**

PARTNERS IN INNOVATION  
PROJECTS, OPERATIONS, AND MAINTENANCE SOLUTIONS

# PEOPLE

*A TEAM FOCUSED ON SAFETY , INTEGRITY, EXCELLENCE*



## **Carlos Guzman**

President and CEO

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