

LPG/SNG Group

The LPG/SNG Group forms the historic cornerstone of EEI's business. This group supplies clients worldwide with a comprehensive line of pre-engineered and custom designed niche energy solutions for 'base load', peak-shave and natural gas back-up applications.

Products and services provided by this group include the design and supply of LPG vaporizers, LPG-Air Blending systems, liquid storage and transfer systems, liquid heaters, modular SNG systems, filtration and pressure regulation packages and related services.

Environmental Systems Group

The core activity of the Environmental Systems Group is the supply of selective catalytic reduction (SCR) and non-selective catalytic reduction (NSCR) deNO_x technologies. The group also supplies other related environmental equipment.

Typical applications for SCR/NSCR technologies include:

- Fossil fuel power generating plants
- Heat Recovery and Steam Generation (HRSG)
- Biomass plants
- Refineries
- Chemical plants
- Process boilers
- Heat treat furnaces
- Thermal oxidizers

An SCR System utilizes ammonia injected into the process flue gas stream. The ammonia (NH₃) and NO_x from the combustion process mix and selectively react across the SCR catalyst bed. The result of this reaction is elemental nitrogen (N₂) and water.

Internal Organization

Engineering

- Design and Manufacturing
 - Mechanical/Electrical
 - Process
 - Software
- CAD Design
- Design Specification

Manufacturing

- Mechanical Fabrication
- Electrical
- Instrumentation/Controls

Safety

- Compliance
- Documentation
- Constant Improvement

Procurement

- Materials
- Transportation
- Expediting

Quality Assurance

- QC Implementation
- QC Inspection
- QC Compliance

Technical Sales

- Process Design/Engineering
- Application Engineering
- Sales/Project Management

Marketing

- Client Relationships
- Tradeshow
- Collateral /Newsletter/Mailings/ Website

Typical Products

Environmental

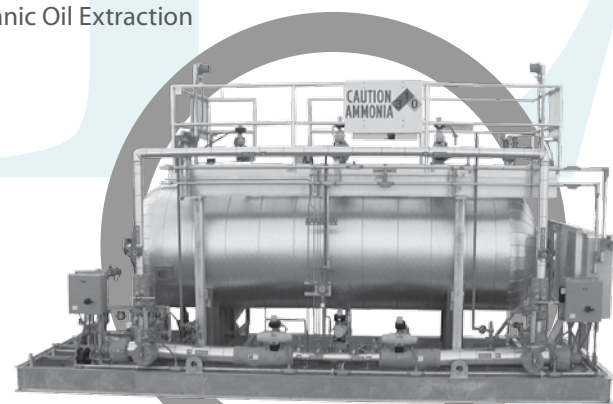
- SCR/NSCR systems for deNO_x
- Anhydrous ammonia storage, transfer and process equipment
- Aqueous ammonia storage, transfer and process equipment

Power

- Liquefied petroleum gas (LPG) equipment:
 - Storage/Transfer
 - Vaporizers
 - Mixers
 - Measurement and regulation
- Fuel gas conditioning skids and SCR/NSCR systems for deNO_x

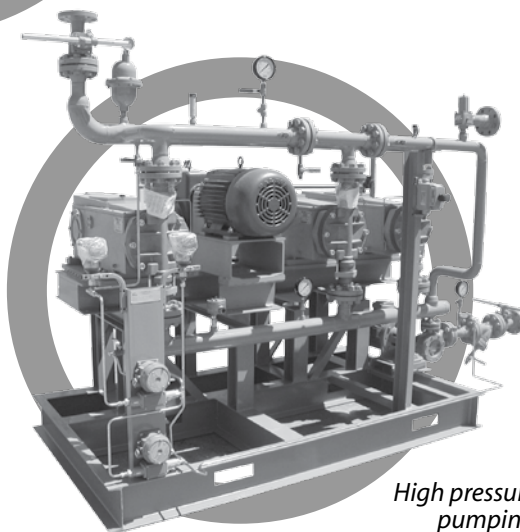
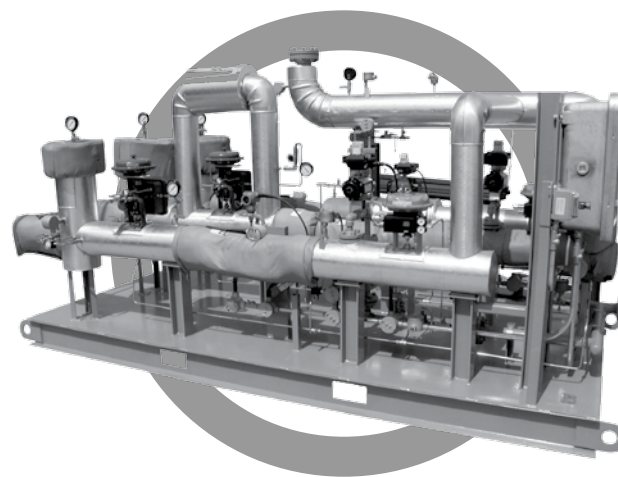
Process

- Dehydrators
- Filtration
- Separation
- Pump packages
- Bio Gas Systems
- Organic Oil Extraction



Anhydrous ammonia unloading, storage and vaporization skid

Tri-gas blending skid for testing turbine engines on off-spec. gases



High pressure process pumping skid

Domestic Facilities

Ely Energy has an integrated office/manufacturing facility which includes:

- Office space: 47' W x 84' L; Two levels; Total square-feet: 7,896
- Building One: 97' W x 115' L; Total square-feet: 11,155
 - Bay #1: 30' W x 100' L; One (1) 12' W x 16' H overhead door; One (1) 16' overhead crane (5 ton)
 - Bay #2: 30' W x 100' L; One (1) 12' W x 16' H overhead door; One (1) 16' overhead crane (5 ton)
- Building Two: 27' W x 53' L; Total square-feet: 1,431
 - Overhead door / Mezzanine; 350 square-feet
 - Inventory area

Typical Manufacturing Equipment

- Tube bending equipment
- Cutters
- Welding positioners
- Welding machines (manual and automatic)
- Turning rolls
- Combination Heliarc and Stick machines
- Torch burning equipment
- Pipe and tube beveling equipment
- Grinding equipment
- Air compressors
- Sandblasting equipment
- Coating equipment
- Materials handling
- Assorted standard hand tools
- Engraving/Data Tag equipment

Drafting Design

- AutoCAD® (maintain current releases with updates)
- CADWorx®
- NIST

Video Conferencing

- Available

ASME Certificates of Authorization (in progress)

- Code Stamps; Section VIII, Division I
- U Stamp
- R Stamp

National and International Footprint

Ely Energy has successfully partnered with firms that range from AFROX/BOC in South Africa to Petron in the Philippines to AMEC in Alaska to Uhde GmbH in Saudi Arabia. We've completed more than 2,500 plant projects. Customers trust EEI's unparalleled record of competence, reliability and dedication.

Some of the locations where EEI has provided products and/or services include: Argentina, Brazil, Canada, Chile, China, Great Britain, India, Israel, Kuwait, Mexico, Panama, Pakistan, Peru, Philippines, Saudi Arabia, South Africa, Taiwan, Turkey, Uruguay and Venezuela.

Our Values

Collaboration and open communication with our clients forms the bedrock of our business culture. EEI strives to overcome complex process, control, and technical application problems in a timely and cost-effective manner.

Ely Energy does not attempt to be "all things to all clients." Instead, we "partner" with clients who place value on product performance, technical competence and open communication. We "think outside the box" — and combine creative solutions to meet your needs and achieve lasting success.

Ely Energy, Inc.

- Competence, commitment and communication skills
- System Design
- Manufacturing
- Customized Process Controls (Hardware and Software)
- Field service & commissioning
- Replacement parts

