

# STEMCO®



**SUPERIOR SOLUTIONS**  
SYSTEMS AND COMPONENTS  
ENGINEERED FOR PERFORMANCE

## Making the Roadways Safer®

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Longview, Texas 75602 | US

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San Luis Potosi SLP 78395 | Mexico

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**STEMCO Tech Line | 800-527-8492**

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an EnPro Industries company



Making the Roadways Safer®

an EnPro Industries company

# MANUFACTURING & OPERATIONS: A GLOBAL PRESENCE



## A COMMITMENT TO EXCELLENCE

Founded in 1951, STEMCO, which stands for Specialized Truck Equipment Manufacturing Company, offers a diverse line of long-life, safety-focused products for the commercial vehicle market. In recent years, STEMCO has deployed an adjacency strategy to broaden our offering with products and solutions that fall within our focus on making the roadways safer.

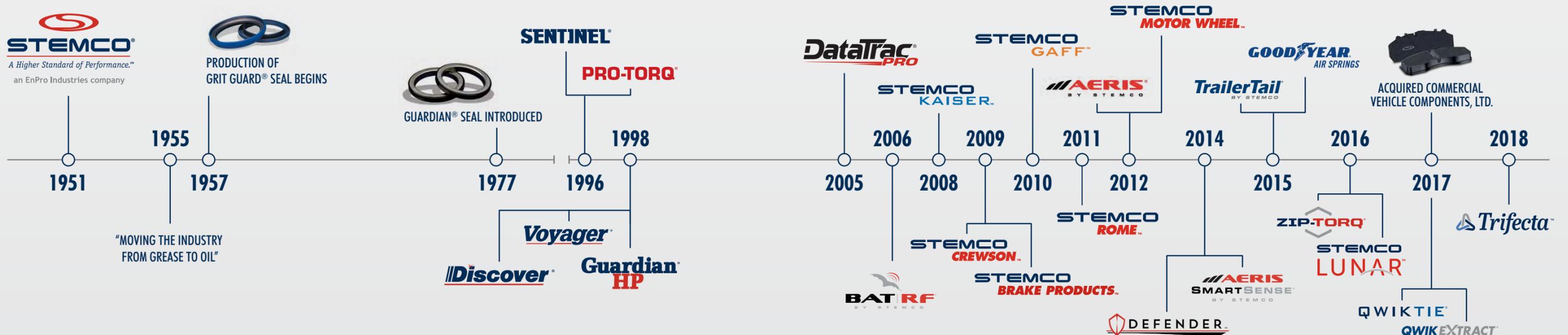
Our commercial vehicle solutions are classified into four major groups:

- **Wheel end components** — Including seals, spindle fasteners, bearings, hub caps and mileage counters
- **Suspension products** — Including king pins, spring pins, bushings, polyurethane components, air springs and heavy-duty shop equipment
- **Brake products** — Including brake shoes, friction, automatic brake adjusters, new lined wheel kits, and brake drums
- **Innovative tire and mileage solutions** — Including the BAT RF® technology, TrailerTail® and the Aeris® tire inflation product lines

Throughout our expanding portfolio of products and solutions, one thing remains constant: Our dedication to the commercial vehicle industry and holding ourselves to A Higher Standard of Performance.™

STEMCO is an EnPro Industries, Inc. (NYSE: NPO) company. EnPro Industries, Inc. is a leader in sealing products, metal polymer and filament wound bearings, components and service for reciprocating compressors, diesel and dual-fuel engines and other engineered products for use in critical applications by industries worldwide.

## A HISTORY OF INNOVATION



## LEAN ENTERPRISE

Focused on maximizing value and quality for our customers. Some elements of our lean manufacturing include:

- Waste elimination
- Continuous improvement
- 48-Hour order turnaround
- 24+ inventory turns
- 8 ISO 9000 facilities

## ISO/TS 16949

Automotive industry quality management certification for continual improvement, defect prevention and reduction of waste.

## EXCELLENCE IN SAFETY

Three times in the last five years, EnPro Industries was named one of America's Safest Companies by *EHS Today*.

## TESTING CAPABILITIES

### 80 Wheel End Dynamics Stands

- 580 rpm, + offset

### Contamination Simulator

- Slurry, water, saltwater

### Pinion Seal Tester

- 3000 rpm, + offset

### Instron

- 30,000 lb load capability

### Engineering Modeling & Analysis Tools

- SOLIDWORKS
- CATIA
- AutoCAD
- ANSYS

### Environmental Dynamics

- Cold & hot temperature
- Vibration & impact

### Other Machines

- Bearing testers
- Material testing
- Axle nut testing
- Wheel end monitoring
- Custom test setups
- Custom machine building
- Dynamometer
- SAE wear testing
- FAST test
- Accelerated king pin durability test



**STEMCO PRODUCT SEGMENTS:  
DEVELOPING SUPERIOR SOLUTIONS**



**STEMCO  
WHEEL END™**

STEMCO has provided the commercial vehicle market with world-class components and systems since 1951, and provided the technology to move the industry from hard-pack grease to oil. STEMCO is well known for high-performance wheel seals, hub caps, spindle fasteners, mileage counters and the new Trifecta™ pre-adjusted hub assembly. STEMCO engineers wheel end solutions designed to meet the performance expectations of almost every fleet in an effort to help improve safety and reduce operating costs.



**STEMCO  
BRAKE PRODUCTS™**

**YOUR STARTING POINT FOR STOPPING POWER**

For over 60 years, STEMCO has supplied only the highest-quality wheel end components to the commercial vehicle market. By offering application-specific, high-performance braking solutions, as well as industry-unique products and processes like CentriFuse® and Crewson™, STEMCO Brake Products™ is providing an answer to the question: "How do I get quieter, safer, brake systems that run cooler and last longer?"



# STEMCO PRODUCT SEGMENTS: DEVELOPING SUPERIOR SOLUTIONS

**STEMCO**  
INNOVATIVE TIRE & MILEAGE SOLUTIONS | **ITMS™**

**MAXIMIZING PROFITABILITY THROUGH  
TECHNOLOGICAL INNOVATION**

**Innovative Tire and Mileage Solutions (ITMS)**

ITMS focuses on improving fuel economy and increasing tire life. The Aeris® advanced automatic tire inflation system keeps commercial trailer tires properly inflated using air pressure from the trailer's braking system. BAT RF® by STEMCO uses advanced RF-enabled electronic sensors and readers, information management tools, and alert mechanisms to provide companies with tire inflation and other data that they can use to optimize tire life and fuel economy. TrailerTail® rear fairings reduce drag and turbulence at the back of the trailer, increasing fuel economy by up to 5.5%, or up to 10% or more when combined with our EcoSkirt™ trailer skirt.



**STEMCO**  
**SUSPENSION PRODUCTS™**

**HIGH-PERFORMANCE PARTS: SUPERIOR SUSPENSION SOLUTIONS**

STEMCO has over 50 years of experience providing the longest lasting, easiest to install no-ream steering knuckle king pins, spring pins and bushings. The QwikKit® king pin kit is easy to install, and its spiral steel bushing outperforms and outlasts the competition. The new QWIKTIE® tie rod assembly optimizes both safety and productivity by fitting more than 80% of straight tie rod assemblies on the market. With superior mechanical and chemical properties, STEMCO GAFF® polyurethane offers high-performance replacement parts for the rubber undercarriage system. The Axle Pro Equipment™ (APE) provides a revolutionary solution to enhance axle eyes. Replacing king pins is made safer and faster with our new QwikExtract® king pin removal system. The addition of Goodyear® SuperCushion® air springs adds a new dimension of performance, durability, and safety to our suspension product line.



# WHEN IT COMES TO TRAINING WE HOLD OURSELVES TO A HIGHER STANDARD

# INDUSTRY-BEST WARRANTY SERVICEABLE, AFFORDABLE & FLEXIBLE



### BRAKE PRODUCTS TRAINING

- Foundation basics
- Brake balance
- Automatic brake adjusters
- Troubleshooting and inspection

**STEMCO CREWSON**

**STEMCO BRAKE PRODUCTS**

**STEMCO MOTOR WHEEL**

### SUSPENSION PRODUCTS TRAINING

- King pin replacement for QwikKit® and PlusKit®
- Complete break down and rebuild training
- Polyurethane components
- Troubleshooting and inspection

**STEMCO GAFF**

### INNOVATIVE TIRE AND MILEAGE SOLUTIONS TRAINING

- Tire inflation management
- Mileage management
- Tire pressure monitoring
- Asset tracking

**STEMCO INNOVATIVE TIRE & MILEAGE SOLUTIONS | ITMS**

### WHEEL END PRODUCTS TRAINING

- Techniques to make seals last longer
- Single nut and double nut
- Adjustment procedures
- Proper fill rates
- Troubleshooting and inspection

**STEMCO WHEEL END**



### PLATINUM PERFORMANCE PLUS SYSTEMS

- Lower your operating costs, reduce downtime and increase revenue
- Light Weight and Tire Inflation Platinum Performance Systems help improve fuel efficiency performance
- The Aftermarket's best warranty solutions include three- and five-year packages with unlimited mileage
- Choose our five-year OEM Plus package, or add additional STEMCO components and extend the limited parts and labor warranty to seven years.

### AFTERMARKET PACKAGES

#### PLATINUM PERFORMANCE SYSTEM™

- Guardian® HP or Discover® Seal
- Pro-Torq® or Zip-Torq® Axle Fastener
- Defender™ Sentinel® or Sentinel® Hub Cap
- STEMCO Bearings

**3 Year**

#### PLATINUM PLUS PERFORMANCE SYSTEM™

- Guardian® HP or Discover® Seal
- Zip-Torq® Axle Fastener
- Defender™ Sentinel® Hub Cap
- STEMCO Bearings

**5 Year**

### OEM PACKAGES

#### PLATINUM PLUS PERFORMANCE SYSTEM™

- Guardian® HP or Discover® Seal
- Pro-Torq® or Zip-Torq® Axle Fastener
- Sentinel® Hub Cap
- STEMCO Bearings

**5 Year**

#### PLATINUM PLUS PERFORMANCE SYSTEM™ AIR DISC BRAKES

- Discover® Seal
- Pro-Torq® or Zip-Torq® Axle Fastener
- Sentinel® Hub Cap
- STEMCO Bearings

**5 Year**

#### PLATINUM PLUS 7 PERFORMANCE SYSTEM™ TIRE INFLATION

- Aeris® Automatic Tire Inflation System
- Guardian® HP or Discover® Seal
- Pro-Torq® or Zip-Torq® Axle Fastener
- Sentinel® Hub Cap
- STEMCO Bearings

**7 Year**

#### PLATINUM PLUS 7 PERFORMANCE SYSTEM™ LIGHT WEIGHT

- STEMCO CentriFuse® Drum and Hub Assembly
- STEMCO Crewson™ Automatic Brake Adjuster
- Guardian® HP or Discover® Seal
- Pro-Torq® or Zip-Torq® Axle Fastener
- Sentinel® Hub Cap
- STEMCO Bearings

**7 Year**

Proud Member of:





# INNOVATION, TRAINING & TRUST: A HIGHER STANDARD OF PERFORMANCE

## STEMCO'S THREE AREAS OF FOCUS

- Focused innovation—developing superior product technologies
- Training and support
- Trust

## WHAT DIFFERENTIATES STEMCO

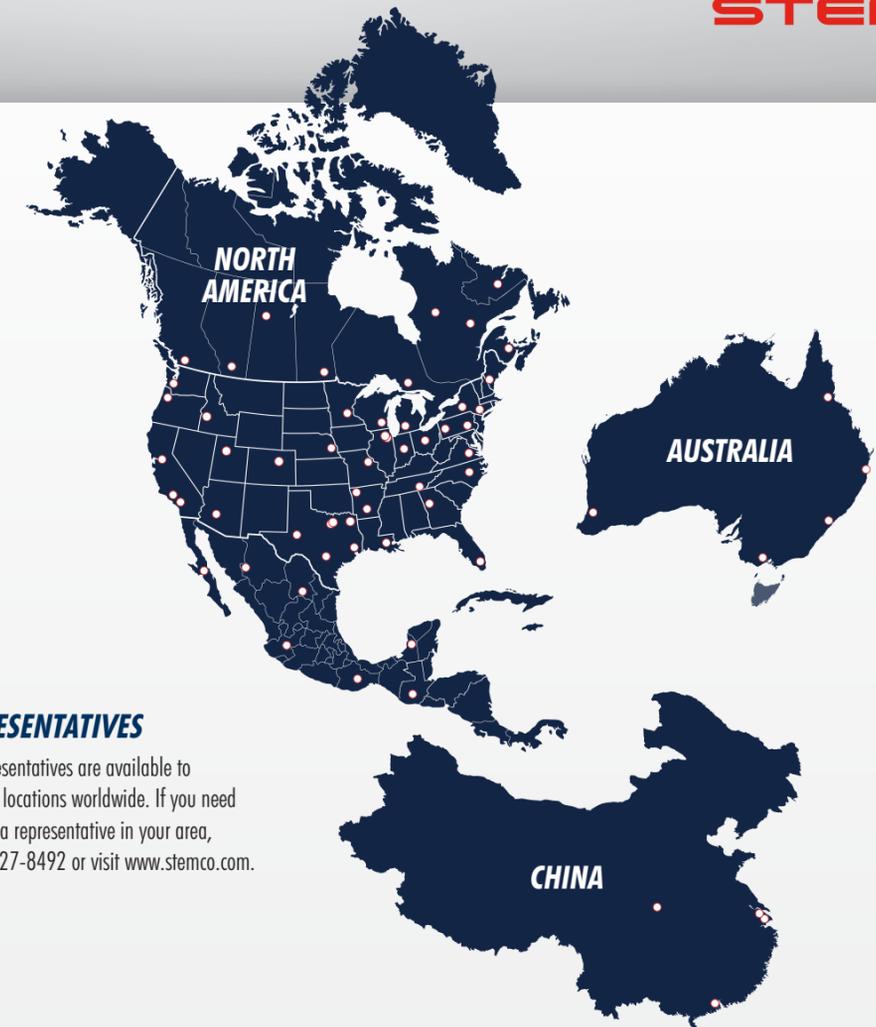
- Targeted focus on the commercial vehicle market
- Focus/knowledge on end-user customers
- Training and troubleshooting
- Relationships with OEM partners and distributor partners
- Original equipment and aftermarket expertise
- New product innovation
- 25 new products in the last nine years
- One of the largest sales teams in the industry

## MANUFACTURING LOCATIONS

- Longview, TX
- Rome, GA
- Berea, KY
- Millington, MI
- Chattanooga, TN
- Suzhou, China
- San Luis Potosi, Mexico
- Shanghai, China

## CENTRAL DISTRIBUTION CENTERS

- Berea, KY
- Mississauga, ON, Canada
- San Luis Potosi, Mexico
- Sydney, Australia
- Shanghai, China



## SALES REPRESENTATIVES

STEMCO sales representatives are available to meet your needs in locations worldwide. If you need assistance locating a representative in your area, please call (800) 527-8492 or visit [www.stemco.com](http://www.stemco.com).

**OUR MISSION AT STEMCO IS TO MAKE THE ROADWAYS SAFER. WE DO THAT WITH OUR HIGH-QUALITY PRODUCTS AND HANDS-ON TRAINING.**