

Solutions for:

# The Power Generation Industry



Let's make industry work better



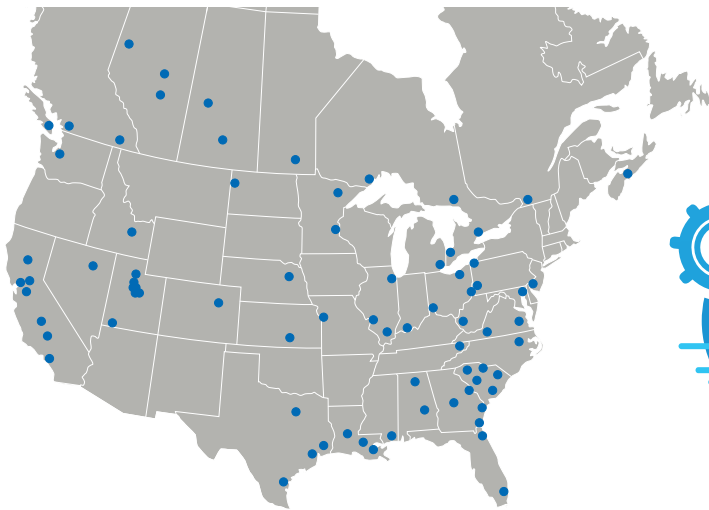


# Why **ERIKS**

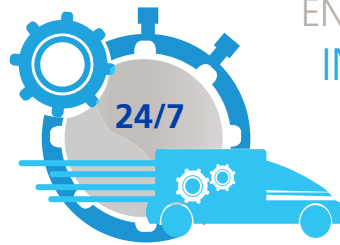
## SOME OF **NORTH AMERICA'S LARGEST POWER PLANTS HAVE TRUSTED ERIKS**

FOR DECADES. THEIR CONTINUED PARTNERSHIP AND  
CONFIDENCE IN US IS BASED ON:

### OUR NORTH AMERICAN GEOGRAPHIC FOOTPRINT



AND LOCAL PRESENCE OF NEARLY  
**90** NORTH AMERICAN  
LOCATIONS



ENABLE US TO PROVIDE  
**IMMEDIATE ON-SITE  
DIAGNOSTIC AND  
PREVENTATIVE SERVICE,  
LOCAL EMERGENCY  
RESPONSE AND  
FASTER DELIVERY TIMES.**

20+ locations provide belt and field services including installation, maintenance and technical services 24/7.



OUR **COMMITMENT**  
TO PRODUCT SAFETY  
AND SUSTAINABILITY  
THAT REDUCES OUR CUSTOMERS  
**TOTAL COST OF OWNERSHIP**  
EMISSIONS AND COMBUSTIBLE DUST  
BY INCREASING THE  
**PRODUCTS LIFESPAN**  
AND PROVIDING LEAK-FREE  
ALTERNATIVES.



WE HAVE THE INDUSTRY  
SPECIFIC **KNOWLEDGE**  
AND **EXPERIENCE** TO OFFER  
MORE THAN JUST PRODUCTS;  
**WE PROVIDE ASSEMBLY,  
INSTALLATION, MAINTENANCE  
AND REPAIR SERVICES TO  
INCREASE UPTIME  
AND PRODUCTIVITY**  
WITHIN THEIR PLANT.



IN FACT,

**WE HAVE DOCUMENTED SOME OF THE SAVINGS**

THAT OUR SOLUTIONS HAVE PROVIDED TO OUR

**POWER PLANT CUSTOMERS**

AND IN THE LAST

**THREE YEARS, \$5.3** MILLION

DOLLARS

HAVE SAVED A TOTAL OF (OR \$482K PER CUSTOMER).

We Are Active  
Members of  
Top Accredited  
Associations



WE ARE ALSO RANKED AS A MARKET LEADER IN MODERN DISTRIBUTION MANAGEMENT:



WE WORK SAFELY: OUR SERVICE CREWS ARE CERTIFIED TO MSHA PARTS 46 AND 48B; OSHA 10 AND 30 WHERE APPROPRIATE





# Power Markets We Service

## RENEWABLES



Solar



Hydro



Geothermal



Wind

## CONVENTIONAL



Coal



Petroleum



Natural Gas

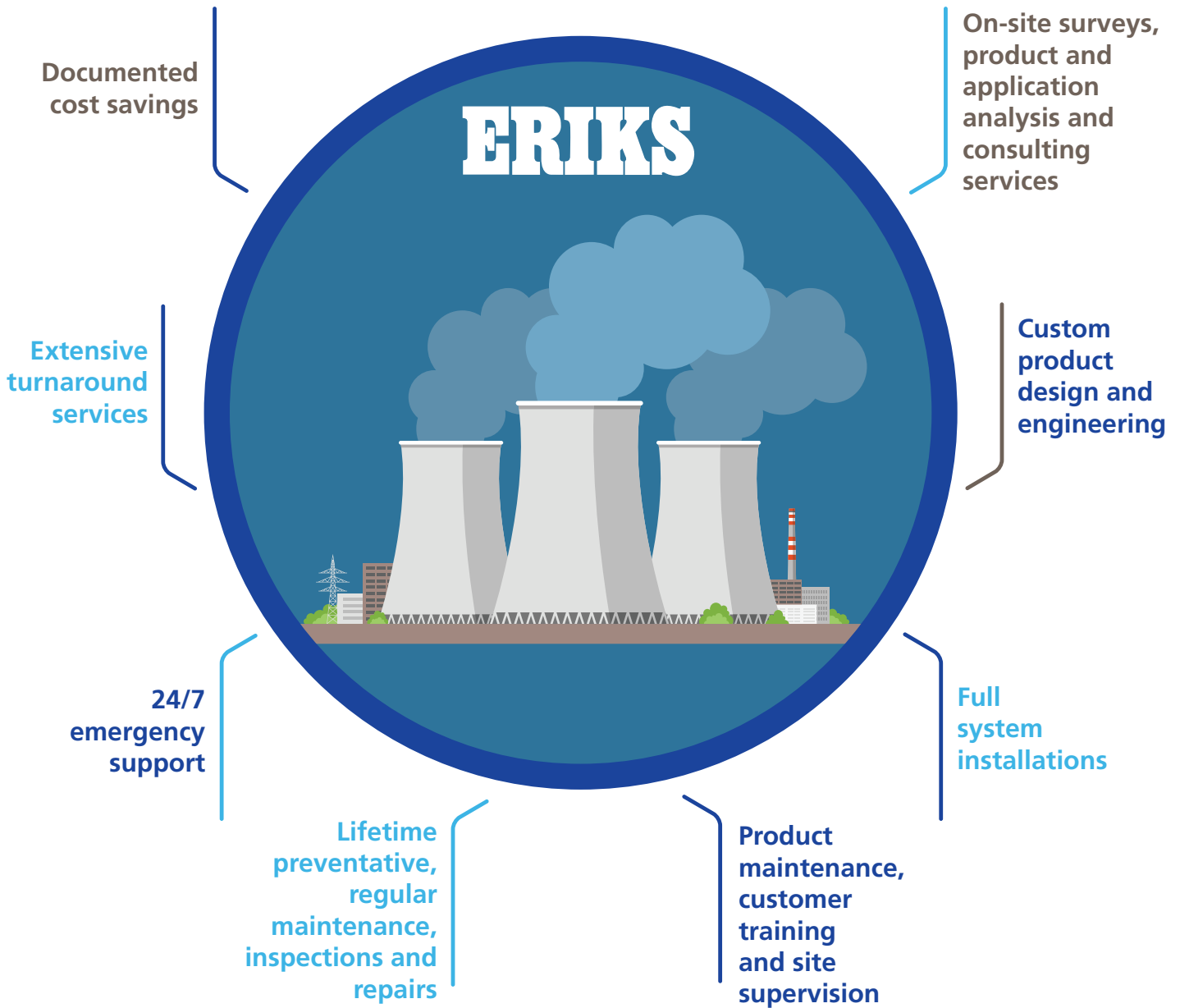


Nuclear





## Some Services That We Provide to Our Power Customers Include:



Our service portfolio is designed to reduce our customer's total cost of ownership.



## Conveyor Belt Solutions

**ERIKS has invested significantly in belt specifically designed for the power generation industry. We:**

- Stock a low extraction cover compound specifically engineered to eliminate the cupping issues common to power generation conveyor belts
- Stock and are able to service your structure, idlers, belt cleaners, pulleys and other conveyor components
- Stock 2-4plys in a variety of widths
- Can fabricate feeder belts with sidewalls
- Can fabricate magnetic separator belts
- Heavily invest in the education / training of our sales associates as well as our certified splice crews; thus, enabling us to respond to customer specific conveyor system requirements on a 24/7 basis. Some of these services include:
  - Field surveys
  - Installing and vulcanizing your new belt
  - Performing belt repairs
  - Inspections
  - Performing on-site pulley lagging and chute lining as well as assisting our customers with a preventative maintenance program





## Expansion Joint Solutions

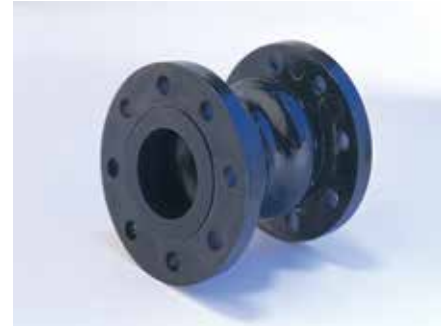
ERIKS provides specifically designed expansion joints for all areas of the plant, including:

### Rubber Spool Type Expansion Joints

ERIKS supplies a full range of rubber spool type expansion joints in standard and non-standard configurations up to 144 inches in diameter.

Rubber spool type expansion joints are built to accommodate for expansion, contraction, vibration and lateral movement in piping systems, sustaining temperatures up to 400°F, and come in a variety of rubber compounds to meet criteria for most applications.

Rubber expansion joints are also made with fluoropolymer lining for harsher chemical environments. They can also be made with homogenous fluoropolymer (no rubber) to withstand temperatures up to 500°F and severe applications.



### Flue Duct Expansion Joints

ERIKS supplies a full range of flue duct expansion joint products for even the most demanding industry applications. Flue duct expansion joints are used in ducting systems usually containing low pressures and gaseous type media. They come in homogenous rubber, fabric, rubber and composite types (woven fiber glass, non-woven fiberglass/ceramic fiber and fluoropolymer) that can withstand temperatures over 1,000°F.

ERIKS also provides expansion joint hardware including metal liners for abrasion resistance in harsh abrasive environments. Joint composition includes fabric, molded rubber, metal, belt type and vulcanized rubber. These joints can also be repaired in some situations.

### Our full expansion joint service crew capabilities include:

- Flue duct expansion joint design and fabrication
- Metal expansion joint design and fabrication
- Field installation, inspections, repair and failure analysis
- Design engineering and consulting
- Site supervision
- Complete turnkey installation and replacement
- In-plant surveys
- Emergency on-site technical support offered 24 hours a day, 365 days a year



## Sealing Solutions

In the past few years, ERIKS has invested significantly in sealing solutions using state-of-the-art technology in metal manufacturing and soft gasket fabrication. We use a combination of products based on supplier partners that have proven zero leakage results and are focused on solving problems for our customers. We recognize that the power industry operates 24/7 and we:



- Stock a variety of pump packing for valves, pumps and equipment that meet or exceed industry standards for speed, temperature and pressure. This includes packing for:
  - Valves – AOV, MOV, Knife Gate, Globe and Gate
  - Pumps - Feed Water, Service Water, Condensate, Boiler Feed, Slurry, Circ. Water, Oil and Recycle pumps
  - Equipment – Soot Blowers, Fly Ash handling systems, etc



- We stock Graphite, PTFE, compressed non-asbestos and a variety of sheet rubber products. These products are used for:
  - Standard Flanges
  - Pumps and Valves
  - Equipment – Fly Ash, Wind Boxes, Hand Hole and Manway



- We stock spiral wound gaskets that meet ASME B16.20 gasket specifications and have the capacity to manufacture Corrugated metal, Camprofile, and Winding only type gaskets to customer specific dimensions. Typical applications include:
  - Standard Flanges
  - Pumps and Valves
  - Equipment – Hand Hole and Manway



- Offer a variety of standard and specialty fasteners along with fabrication services that complement our ERRIC Sealing program and kitting capabilities. At selected production facilities, ERIKS stocks a full range of standard fasteners and bar stock using state of the art fabrication equipment to cut, chamfer and stamp to meet your daily requirements. At ERIKS we know that fasteners play a major role in leak free sealing.





## Sealing Solutions

- We support and will stock Mechanical Seals for your specific applications, including:
  - Pumps
  - Equipment
  
- We heavily invest in the education and training of our sales associates and our customers using the latest techniques in the sealing industry. Some of the training that we provide includes:
  - A Flange Demonstration Assembly Unit (FADU) that engages mechanics in the proper torqueing and installation practices for zero leakage sealing service
  - ERRIC sealing system training (Evaluate, Radial Shear, Relaxation, Installation, Certification.) that when followed creates zero leak sealing optimization
  - State-of-the-art equipment such as lasers, waterjet cutters, flash cutter knife machines, CNC machining equipment and more!
  
- We also offer services that include:
  - Field engineered surveys on valves, flanges and pumps to optimize sealing performance
  - Pump preventive maintenance programs using mechanical seals and packing to not only increase equipment reliability, but also focus on the sustainability of both natural and man-made resources.





## Industrial and Hydraulic Hose

We offer a full line of industrial and hydraulic hoses for power customers of all types. Our hose assembly capacity, quality, consistency and depth of product lines are second to none. All of our hose products are backed by our commitment to quality, service and true dedication to offer complete hose management solutions. Our hose management programs include testing, tagging, tracking, training, special packaging and fast delivery services. We have made significant investments in a variety of hose fabrication equipment that allows us to weld, crimp, and couple all styles and sizes of hose assemblies.



## Loading Arms

We offer liquid piping transfer systems / loading and unloading arms and related access equipment like gangways and rack systems. We also offer a complete loading arm repair facility in Houston, Texas where we provide the following either in-house or at the client's site:

- Swivel joint repair
- Tank truck loading arm refurbishment
- Rail car loading arm restoration



Our Houston facility also has a comprehensive preventative maintenance program based on our team's customized program that is designed to minimize downtime and extend equipment life. The programs goal is to ensure safe and optimal operation of swivel joints, loading and unloading arms to help the customer be proactive towards maintenance instead of reactive to emergencies.

## Valves & Fittings

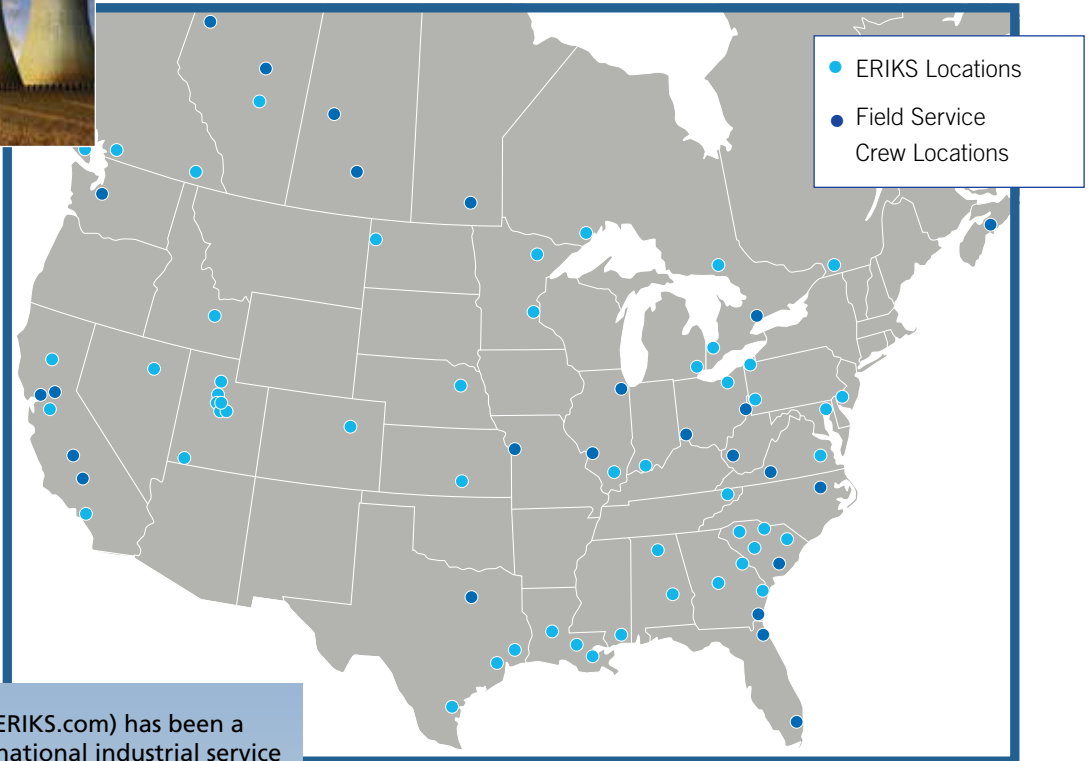
We offer various styles of:

- Butterfly valves
- Gate valves









ERIKS ([www.ERIKS.com](http://www.ERIKS.com)) has been a leading international industrial service provider leader since 1940. ERIKS NorthAmerica offers a wide range of innovative, high-quality mechanical engineering components and associated technical and logistics services from 140 locations across the United States, Canada and Mexico. We provide the highest quality product standards in the industry, along with the peace-of-mind knowing that our products and fabrication are consistent, location-to-location, across our extensive footprint. From agriculture to power generation and from oil and gas to petrochemicals, ERIKS North America provides a local presence and infinite possibilities, backed by ERIKS' worldwide network of resources and knowhow with over 300 locations in 20 countries. For more information, please visit [www.eriksna.com](http://www.eriksna.com)



**Please Contact Your  
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Let's make industry work better

**ERIKS**