

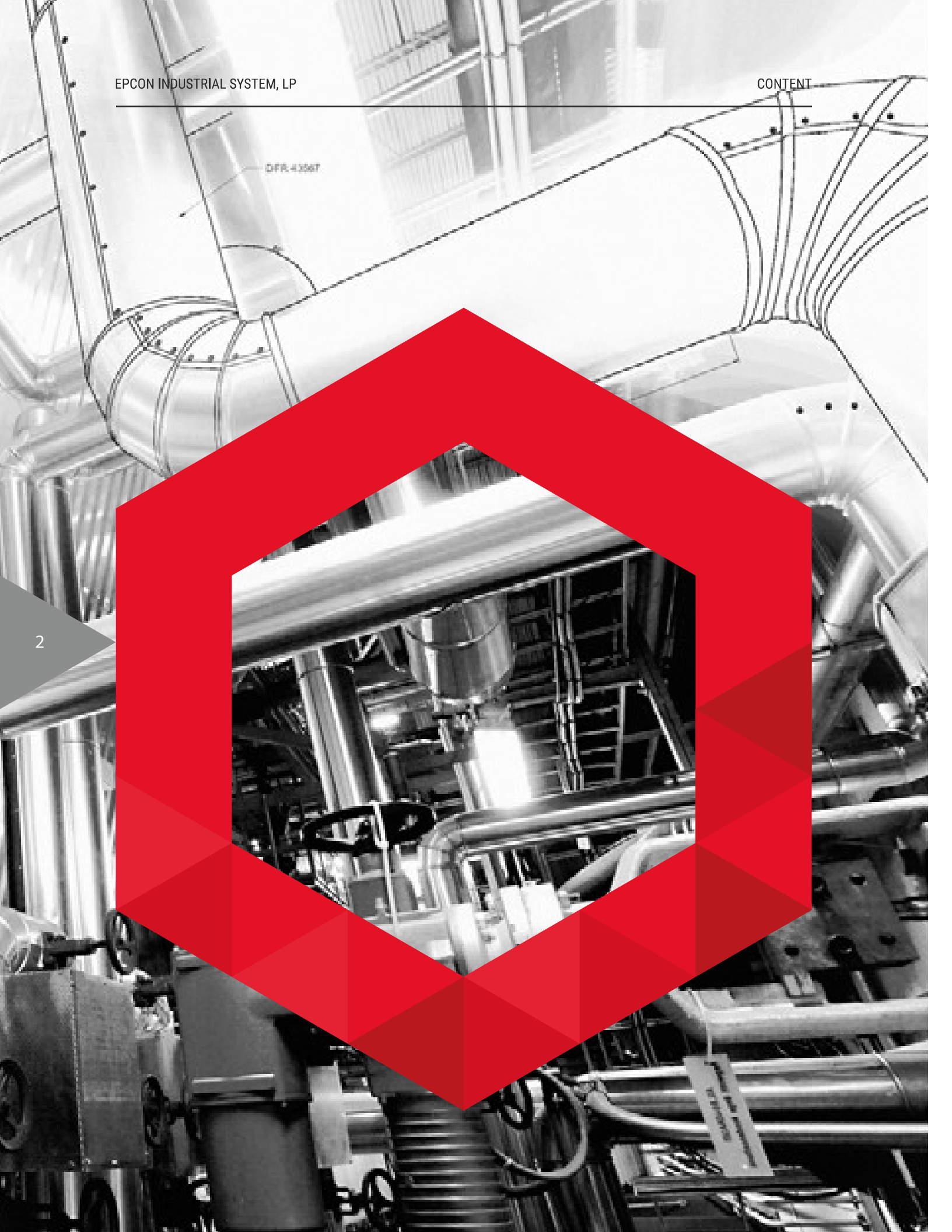


INDUSTRIAL SYSTEMS, LP

A black and white photograph of an industrial facility, likely a refinery or chemical plant. It features a large, curved, insulated metal pipe, various structural steel beams, and platforms. A large red geometric overlay, composed of many triangles, covers the bottom half of the image. The text "PROTECTING THE ENVIRONMENT THROUGH TECHNOLOGY" is written in white, bold, sans-serif capital letters across the bottom of the red overlay.

PROTECTING  
THE ENVIRONMENT  
THROUGH  
TECHNOLOGY

DFR-4356T



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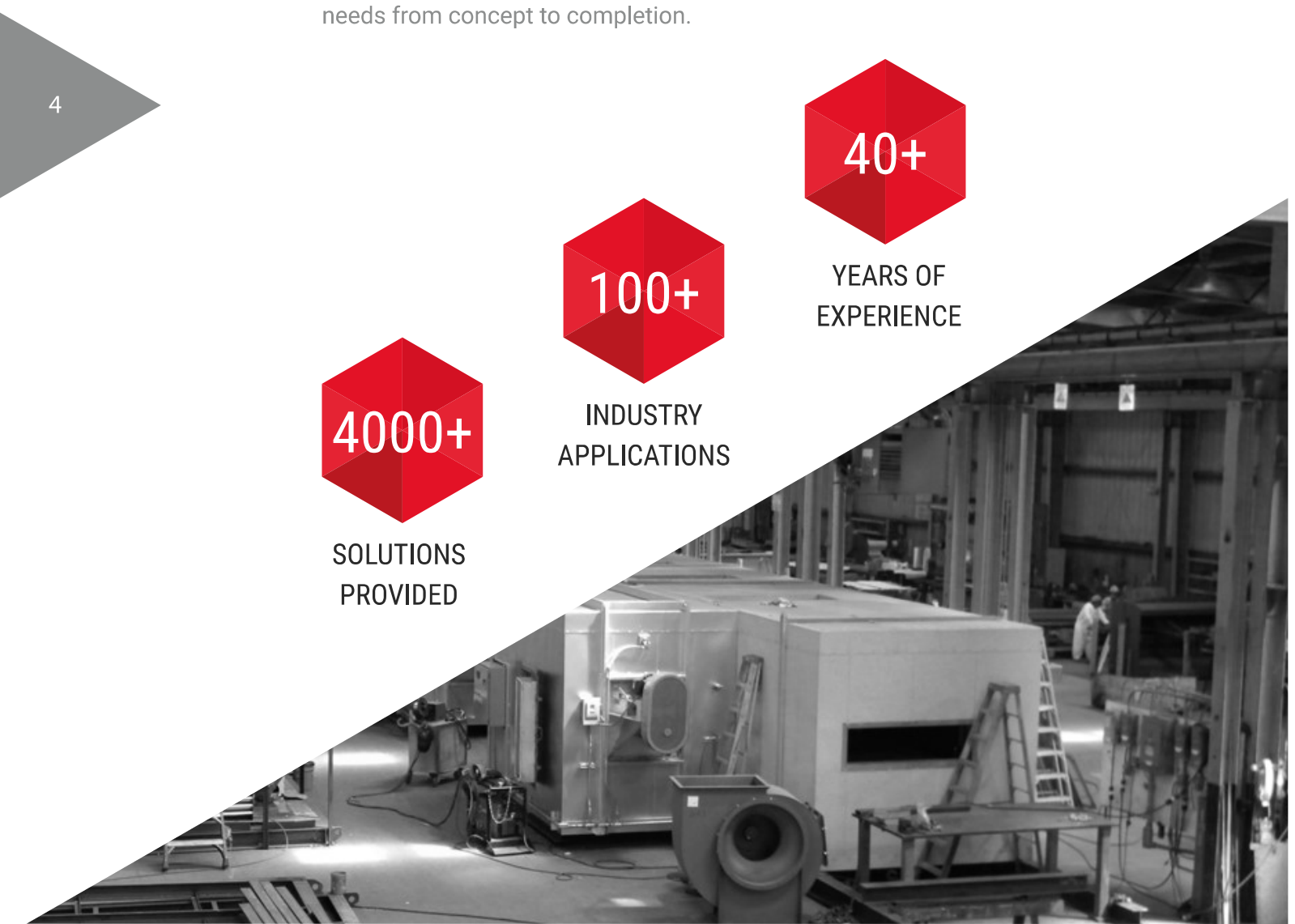
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## ABOUT US

EPCON industrial systems, lp, has been serving the world's environmental needs with innovative air pollution control systems and industrial heat processing equipment since 1977. Over the years we have supplied almost 4,000 quality systems to customers worldwide. EPCON has complete design, engineering, manufacturing, installation, and after sales support capabilities that are unparalleled in our industry. Our on-site 250,000 square ft. Manufacturing facility and full turn-key capabilities allow us to support your specific needs from concept to completion.

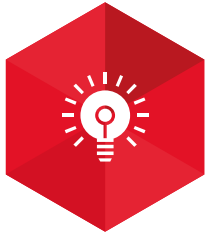
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**4000+****SOLUTIONS  
PROVIDED****100+****INDUSTRY  
APPLICATIONS****40+****YEARS OF  
EXPERIENCE**



## OUR MISSION

At EPCON, we are committed to the relentless pursuit of excellence in all aspects of our business. We do this by maintaining total integrity in our dealings and by implementing the highest possible standards of quality control for our products and services. With EPCON's innovative technological advances, prudent financial discipline, and effective project management, we will continue to provide cost effective, environmentally sound solutions to our customers for many years to come.



## INDUSTRY PATENTS & INNOVATION

EPCON is perhaps the only company that holds several patents in the heat processing industry. We are an innovating company that is constantly striving to improve our manufacturing processes by way of technology. Our goal is to aim for better systems by creating something new, something different for a higher level of performance and minimum fuel consumption. Epcon continues to improve on its technologies and develop new innovative solutions that will help preserve our environment.

Beyond our patents, Epcon has innumerable proprietary designs of the equipment and systems for which we offer to our customers on a case-by-case basis.

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### PATENTS

- A4240787: Drying Oven with Heat Reclamation & Air Pollution Control System
- 4242084: Air Pollution Control & Heat Recovery System For Industrial Ovens
- 6135765: Pyrocleaning Furnace & Thermal Oxidizer System
- 6149707: Method For Pyrocleaning Metal Components





# DESIGN & ENGINEERING



EPCON's technical staff is comprised of multi-talented engineers and design specialists that possess in-depth knowledge of our products and the needs of industries we serve. From concept to completion, epcon's professionals work together to design an efficient customized product for each customer's unique requirements. Epcon performs specialty engineering for unique projects. We also perform energy efficiency studies to ensure that you are provided with the highest quality system, while giving you the lowest operating cost possible.





## SYSTEM CONTROLS & PANEL FABRICATION

EPCON has an on-site panel building shop with a complete staff of electricians, programmers and system integrators. We are a ul listed electrical controls facility. Our controls specialists are well versed in all of the types of PLC programs, including Allen Bradley, GE, Modicon, ABB and sSemens. We develop our own electrical wiring diagrams and oversee every wire termination and controls decision to ensure that our system will perform safely and be operator oriented. Many of our systems come complete with PLC's and touch screen interfaces, providing a vast amount of information in a user friendly environment.





# MANUFACTURING & TESTING



EPCON is one of the few companies in our industry that has an on-site manufacturing facility. We have state-of-the-art fabricating machinery and a highly versatile and well equipped labor force. Our welders are both MIG and TIG certified and many of our shop staff have been at Epcon for over a decade. On-site manufacturing also gives us a competitive edge when it comes to quality assurance. System designers and engineers are only a few steps away from the equipment throughout every stage of the fabrication process.

All systems are pre-assembled at our facility and undergo rigorous quality checks and testing prior to shipment, providing reassurance to our customers that the system will be reliable when it is delivered and installed.





## | SERVICE & COMMISSIONING

EPCON's service continues long after the system ships out. We take great pride and care in the installation and start-up process. An epcon team member will ensure that the shipping, installation, testing and start-up run smoothly. In addition, we train the customer's staff in all systems operation and maintenance.

We provide an extended warranty, quality maintenance and service for the life of your new system. We also offer 24-hour service and provide advanced safety training to existing preventive maintenance programs. In addition, our service team can repair and retrofit similar systems — even if they were manufactured by other equipment suppliers.

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OUR EXPERIENCED  
COMMISSIONING TEAM,  
CAN BE MOBILIZED TO ASSIST  
IN THE INSTALLATION PROCESS  
ANYWHERE AROUND IN THE WORLD

## PRE-ORDER SERVICES

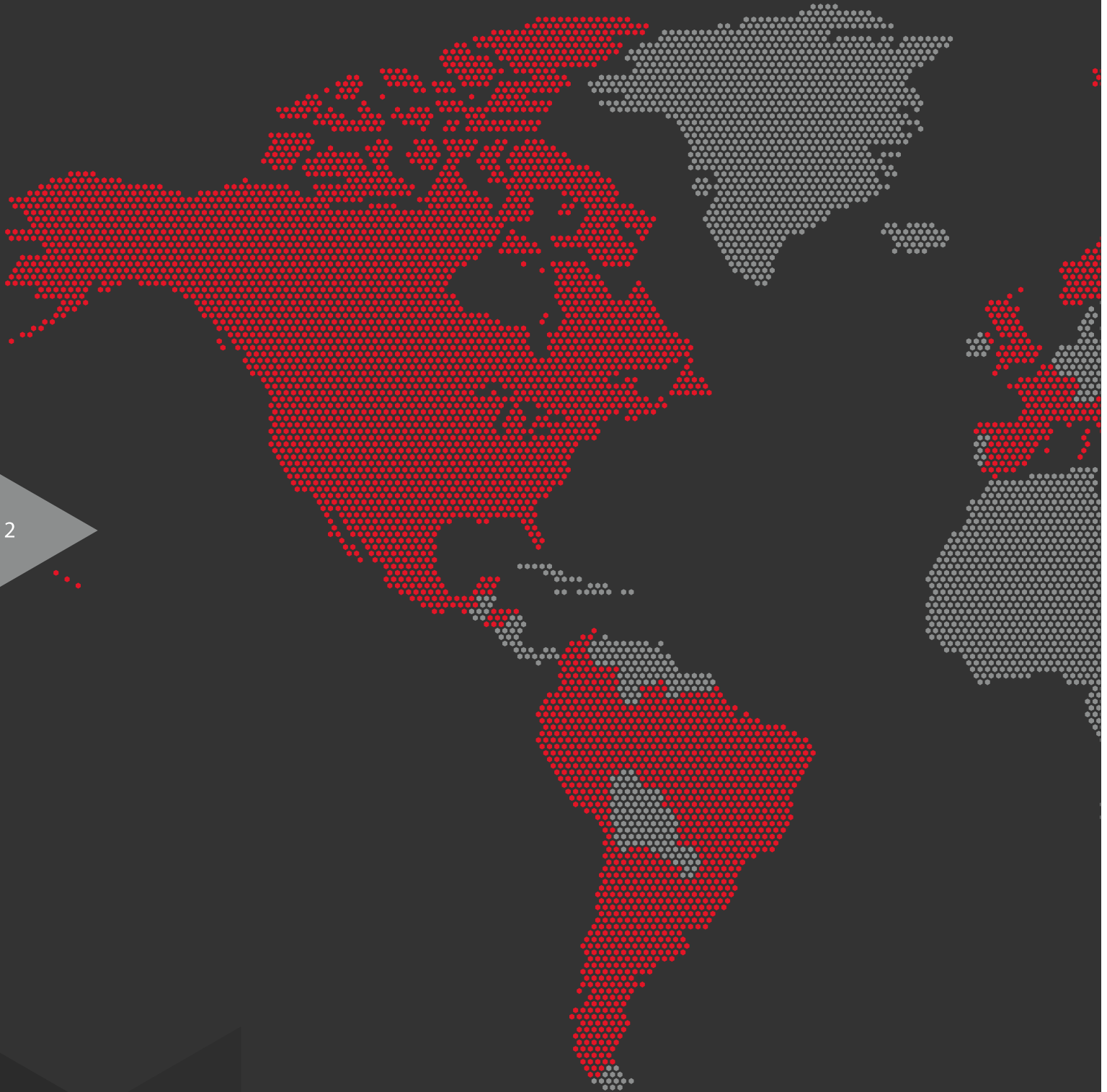
- Feasibility Studies
- Engineering Surveys
- Consulting
- Develop Specifications

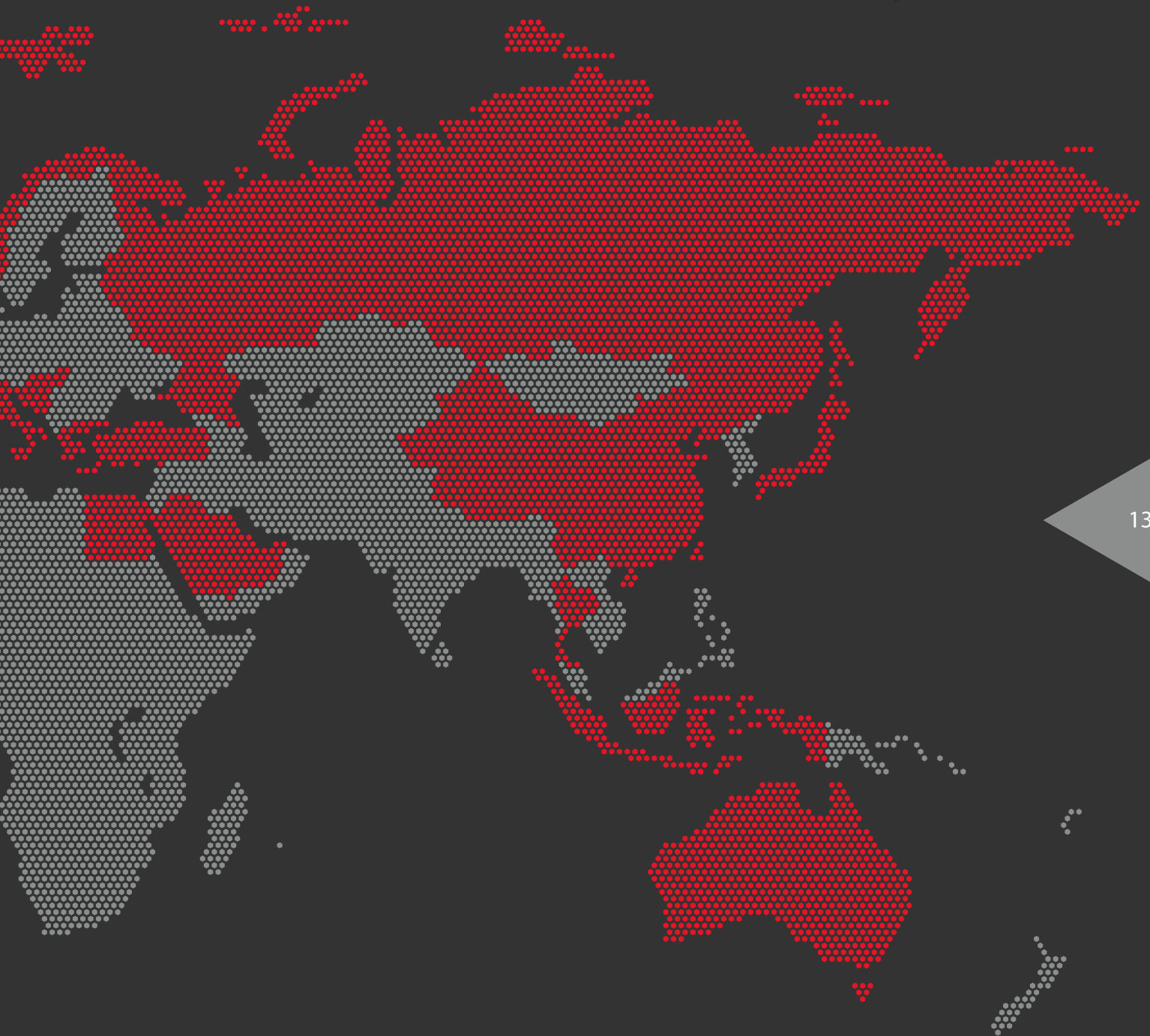
## AFTER SALES SERVICES

- Installation Commissioning
- Upgrades & Replacement
- Maintenance
- After Sales Support
- Personnel Training

## FEILD MEASUREMENTS

- Airflow
- VOC levels
- Temperature Profiles
- Emissions Testing
- CFD Modeling





EPCON HAS DESIGNED & MANUFACTURED  
OVER 4000 SYSTEMS **WORLDWIDE**



# PRODUCTS & SERVICES

## AIR POLLUTION CONTROL SYSTEMS

(VOC & NOx Abatement Systems)

- Selective Catalytic Reduction (SCR)
- & Non-Catalytic Reduction (SNCR)
- Ammonia Injection Systems
- Regenerative Oxidizers (RTO)
- Recuperative Oxidizers
- Catalytic Oxidizers
- Afterburners

## AFTER SALES & SERVICE

- Turnkey Installation
- After Sales Service
- System Rebuilds
- Retrofits
- Training

The background of the page is a grayscale photograph of an industrial facility, featuring large metal structures, pipes, and machinery. A large, semi-transparent red geometric pattern, composed of various sized triangles, is overlaid on the left and center portions of the image. The text is white and positioned within the red area.

## INDUSTRIAL OVENS & FURNACES

- Batch
- Continuous
- Direct or Indirect Fired
- Conveyor
- High & Low Temperature
- Gas or Electric

## FINISHING & SPECIALTY SYSTEMS

- Complete Metal Finishing Systems
- Multi-Stage Washers
- Spray Booths
- Thermal Deoilers
- Heat Exchangers
- Dryers

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## SPARE PART

EPCON maintains a large inventory of burner management and combustion related system spares, on-site, which can be shipped within hours. Additionally, we recommend spares for purchase such as safety shut off valves and other key operating components

# AIR POLLUTION CONTROL SYSTEMS

## VOC ABATEMENT

EPCON manufactures customized systems that destroy volatile organic compounds (vocs). These systems can accommodate volumes ranging from 100 to 250,000 scfm, and can handle both chlorinated and non-chlorinated hydrocarbons. In all systems, the design requires proper oxidation conditions with focus on temperature, time, and turbulence. Epcon's voc systems are offered with destruction rates of up to 99.99%. Unlike many others in the pollution control industry, we offer a diverse range of oxidization equipment; utilizing shell and tube heat exchangers, catalyst and ceramic media to maximize heat recovery. By doing this we are able to reduce operating cost. In many cases with the reduced energy consumption, we are able to show a roi on the equipment in just a few months. At Epcon, customer satisfaction is our top priority.



## NOX ABATEMENT

EPCON offers custom engineered solutions to reduce nox emissions for industries such as power generation, cement plants, oil and gas, chemical, hrsg, diesel exhaust and many others. We design scr systems, catalyst housing, ammonia-flow control units (afcus), ammonia evaporation and ammonia injection grid (aig). Epcon designs and performs engineering studies as well as acceptance and performance tests to ensure maximum nox reduction at minimum costs for new and retrofit situations. We work with reputable catalyst manufacturers. Throughout the world to build complete systems for nox reduction with ammonia or urea, while simultaneously reducing co and vocs.

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- REGENERATIVE OXIDIZERS
- RECUPERATIVE OXIDIZERS
- CATALYTIC OXIDIZERS
- AFTERBURNERS
- AMMONIA INJECTION
- SELECTIVE CATALYTIC &  
NON-CATALYTIC REDUCTION



# INDUSTRIAL OVENS & FURNACES

At EPCON, we design and fabricate custom ovens and furnaces per each customer's requirements. All of our systems are engineered to meet each every specific need. This ensures high quality, performance and customer satisfaction. Epcon holds several patents on our unique oven and furnace designs for various applications. We manufacture specialty and combination systems for both high and low temperature applications. Each system is built to comply with the nfpa 86 standards and osha requirements. Epcon's staff has in-depth knowledge of the intricate details that are required for the proper functionality of all types of heat processing equipment. We have experience with both electric and gas heating systems. Epcon also manufacture's





- ◆ BATCH
- ◆ CONTINUOUS
- ◆ CONVEYOR
- ◆ HIGH & LOW TEMPERATURE
- ◆ GAS / ELECTRIC
- ◆ DIRECT / INDIRECT FIRED

## FINISHING & SPECIALTY SYSTEMS

Whether you want a new finishing system custom designed or an existing system upgraded, Epcon's engineering team can develop a solution to suit your needs. Our finishing systems are built to exceed the highest industry standards. In many of our systems we have incorporated our patented heat-recovery technology. These thermal oxidizer combinations can provide hot air for ovens, hot water for washers and steam for indirect heating.

EPCONs unique patented systems and our commitment to innovation keep us on the cutting edge of technology. Our shell and tube heat exchangers are designed to transfer heat efficiently and effectively while reducing fuel consumption. A heat exchanger can be combined with any of our other systems or as a retrofit. In addition, epcon has several designs that combine burnerless ovens with thermal oxidizers



- SPRAY BOOTHS
- MULTI-STAGE WASHERS
- THERMAL DEOILERS
- HEAT EXCHANGERS
- DRYERS
- METAL FINISHING SYSTEMS

# INDUSTRIES SERVED

- » Aerospace
- » AC & Heating Equipment
- » Aircraft
- » Appliance Manufacturing
- » Automotive
- » Can Manufacturing
- » Chemical Processing
- » Coffee Roasting
- » Coil Coating
- » Composite Materials
- » Container Manufacturing
- » Continuous Web Processing
- » Copper Clad Laminates
- » Electronics Industry
- » Fabric
- » Fiberglass
- » Flexible Packaging
- » Food Processing
- » Furniture
- » Gas Processing
- » Hot Stamping (Foil)
- » Industrial Waste Water
- » Label Manufacturing
- » Lighting Manufacturing
- » Medical Industry
- » Metal Decorating
- » Metal Finishing
- » Nuclear / NQA-1
- » Oil & Gas
- » Paint Manufacturing
- » Pan Glazing
- » Petrochemical
- » Pharmaceutical
- » Pipe Coating
- » Plastic Manufacturing
- » Printer Circuit Boards
- » Printing Processing
- » Pulp & Paper
- » Refineries
- » Resin Manufacturing
- » Roofing Products
- » Semiconductor
- » Soil Remediation
- » Solar Panel
- » Tank Venting
- » Textiles
- » Tobacco Processing
- » US Government / Military
- » Vapor Extraction
- » Destruction Systems
- » Wood Processing
- » Utilities





# PROTECTING THE ENVIRONMENT THROUGH TECHNOLOGY





INDUSTRIAL SYSTEMS, LP

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