



**LIGHTNING  
ELIMINATORS**  
WWW.LIGHTNINGPROTECTION.COM

**DAS<sup>®</sup>  
DISSIPATION  
ARRAY<sup>®</sup> SYSTEM**

ENGINEERED TO PREVENT  
LIGHTNING STRIKES



**DON'T ATTRACT LIGHTNING - ELIMINATE IT!!**





DON'T ATTRACT LIGHTNING - ELIMINATE IT!

## Lightning Eliminators & Consultants, Inc. (LEC)

*How it All Started:*

- Founded by NASA Engineer Roy Carpenter in 1971
- Invented **Charge Transfer Technology**
- First patented DAS in 1979, then again in 2007
- Over 80,000 system years of operation worldwide

## Integrated Lightning Protection & Prevention

LEC is passionate about providing integrated products, services, and solutions for lightning protection and prevention. As an industry leader that's well informed about the damaging and costly influences of lightning strikes and storms, we pride ourselves on supplying effective consulting, assessment, and design for reducing vulnerability.

## Innovation is a Core Focus

Fourteen (14) US patents awarded, with two (2) more pending, for various lightning protection, grounding, and surge protection products.

## DAS<sup>®</sup> DISSIPATION ARRAY<sup>®</sup> SYSTEM ENGINEERED TO PREVENT LIGHTNING STRIKES

Unlike old school lightning rods which ATTRACT lightning strikes, our patented technology ELIMINATES them.

*Pictured: **Chevron**  
in Papua, New Guinea*



**AN INDUSTRY LEADER**  
www.lightningprotection.com



## Dissipation Array® System (DAS®)

LEC's patented Dissipation Array System (DAS) is a type of Charge Transfer System that prevents direct lightning strikes.



- PREVENTS DIRECT LIGHTNING STRIKES WITHIN THE PROTECTED AREA
- REDUCES ELECTRICAL FIELDS TO BELOW LIGHTNING COLLECTION LEVELS
- NO-STRIKE WARRANTY\*

## DAS Benefits

The many benefits of DAS include, but are not limited to: safety, reliable operation during storms, explosion prevention, downtime avoidance, fire prevention, and protection of modern electronic assets.

(\*see LEC website for warranty details)

**DON'T ATTRACT LIGHTNING - ELIMINATE IT!**



*"At first we had our doubts about DAS, but the system works. We thought if we could eliminate half the strikes, it would be useful. Eighteen years later, to my knowledge, there hasn't been one strike."  
- Project Manager FedEx*



*Pictured:  
**Georgia Pacific**  
in Savannah GA*



# ENGINEERED TO PREVENT LIGHTNING STRIKES

www.lightningprotection.com



## TOTAL LIGHTNING PROTECTION

### Dissipation Array® System (DAS®)

An excellent application of physics and engineering, DAS is currently defending many **Global 1000 Companies** from the costly effects of lightning strikes.

#### Industries Protected by LEC and DAS

- OIL & GAS
- PETROCHEMICAL
- POWER GENERATION
- MILITARY
- IT / DATA CENTERS
- NUCLEAR POWER
- SHIPPING & LOGISTICS
- MINING
- JAILS & POLICE STATIONS
- CHEMICAL MANUFACTURING
- PAPER

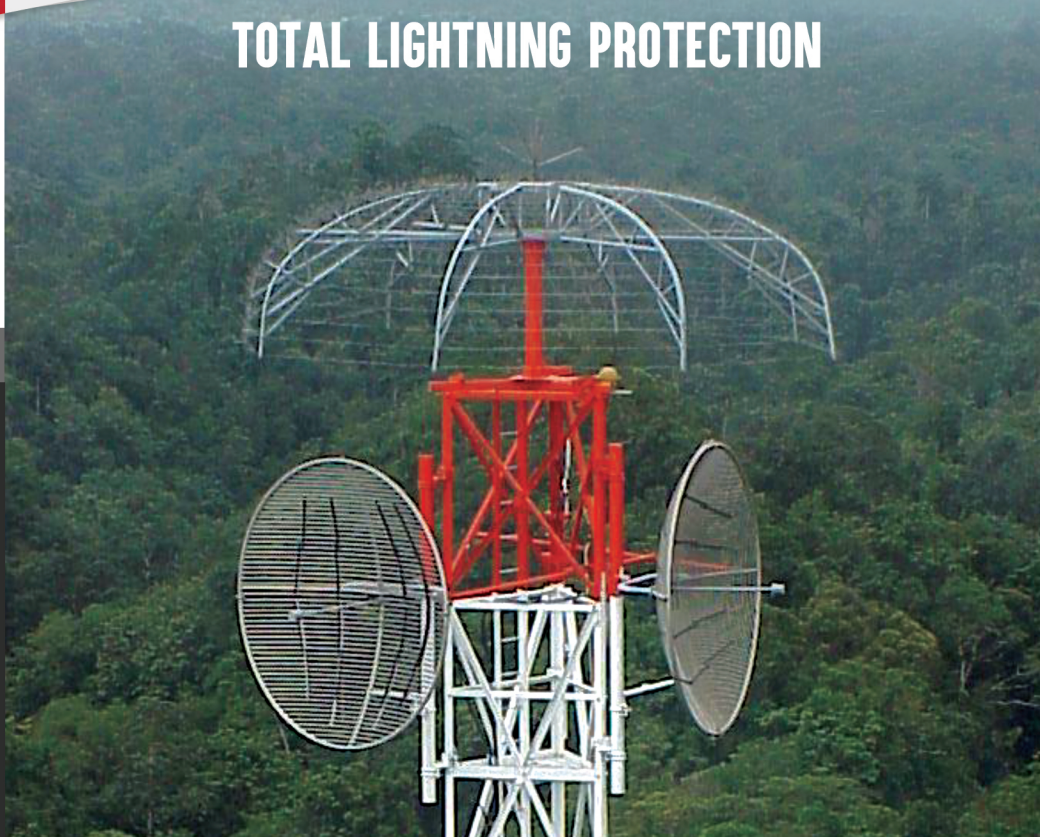


### "We Looked Like Rock Stars!"

*"We had just commissioned the LEC system (well before the plant operation), and a heavy series of storm cells rolled in from the Gulf. It was almost dark, no one left on-site except our General Supt. and myself. The DAS and Spline Balls started glowing and making strange noises. The cells moved over after about 30 minutes. The next morning the news came in that both the Shell and Mobil Natural Gas Refineries a few miles away were hit, and hit hard. Engineers from both plants had been by the Exxon site several times out of curiosity about the LEC system."*

**- Joe Wood, Exxon**

## DON'T ATTRACT LIGHTNING - ELIMINATE IT!



Pictured:  
**EXXON Mobil**  
in West Africa





**UNRIVALED IN  
THE INDUSTRY**  
www.lightningprotection.com



**Lightning Eliminators & Consultants, Inc. (LEC)**  
provides integrated lightning protection and lightning  
prevention products, solutions and services.

### **INNOVATIVE TECHNOLOGY**



In association with grounding systems engineering, testing and surge protection design, LEC utilizes innovative patented charge transfer technology, providing comprehensive consulting, assessment and design.

### **STATE-OF-THE-ART ENGINEERING**



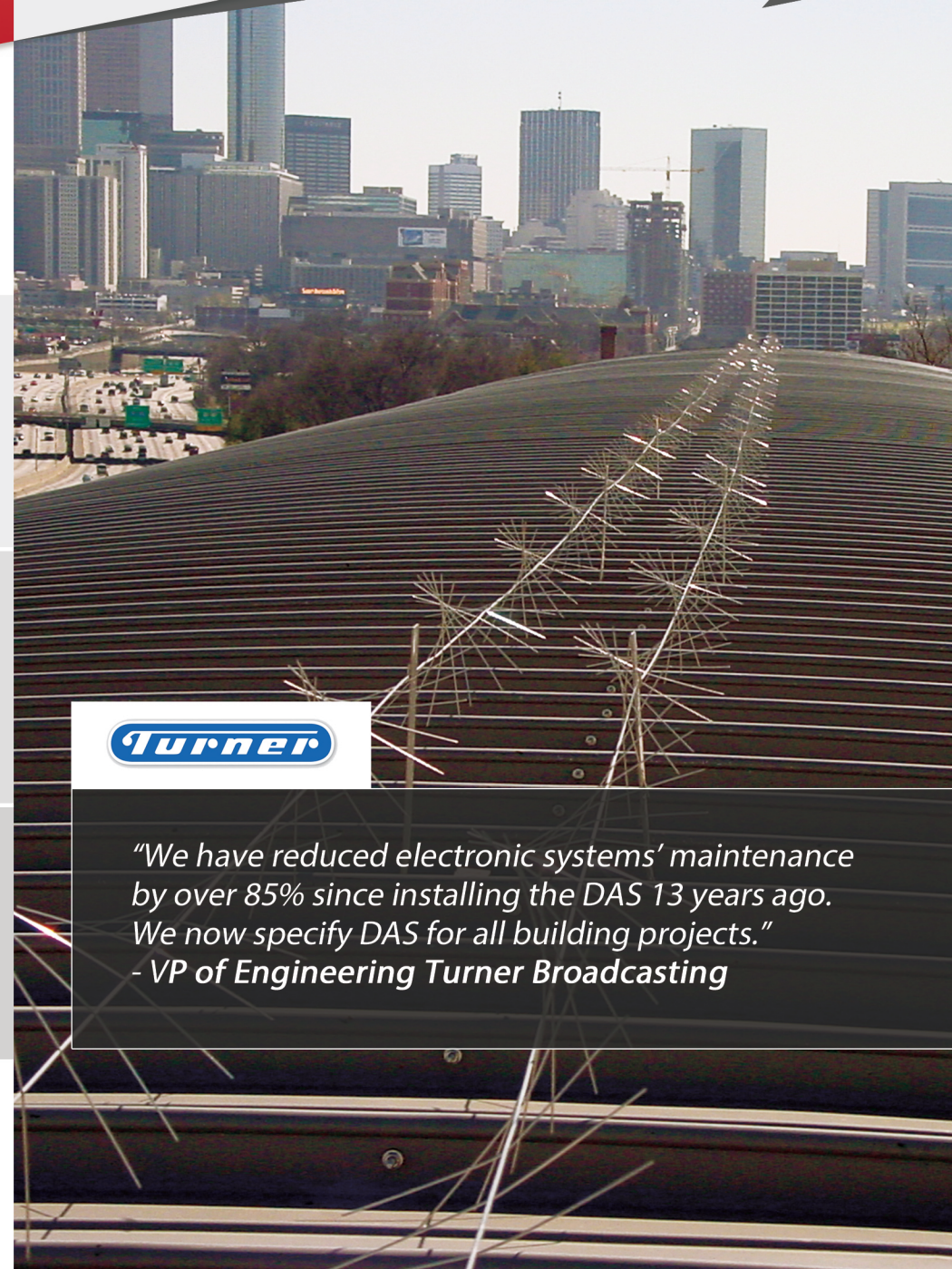
All of our products utilize state-of-the-art engineering principles and physics.

### **OVER 45 YEARS OF SERVICE**



LEC has been successfully installing and maintaining lightning protection systems (LPS) and solutions throughout the U.S., and in over 90 countries, since 1971.

**DON'T ATTRACT LIGHTNING - ELIMINATE IT!**



*"We have reduced electronic systems' maintenance by over 85% since installing the DAS 13 years ago. We now specify DAS for all building projects."  
- VP of Engineering Turner Broadcasting*

**BILLIONS OF  
DOLLARS SAVED**  
www.lightningprotection.com



## Dissipation Array® System (DAS®)

LEC's patented Dissipation Array System (DAS) prevents direct lightning strikes by reducing the electric field to below lightning-collection levels within the protected area. As a result, DAS helps to prevent downtime and loss of assets, while increasing personnel safety.

Saved Billions of Dollars for our Customers!

- FIRE PREVENTION
- DOWNTIME LOSSES
- HEALTH & SAFETY DAMAGES
- INSURANCE CLAIMS
- ENVIRONMENTAL CLEANUP COSTS



## Proven Technology

DAS technology has been in use since 1971 protecting thousands of sites worldwide.

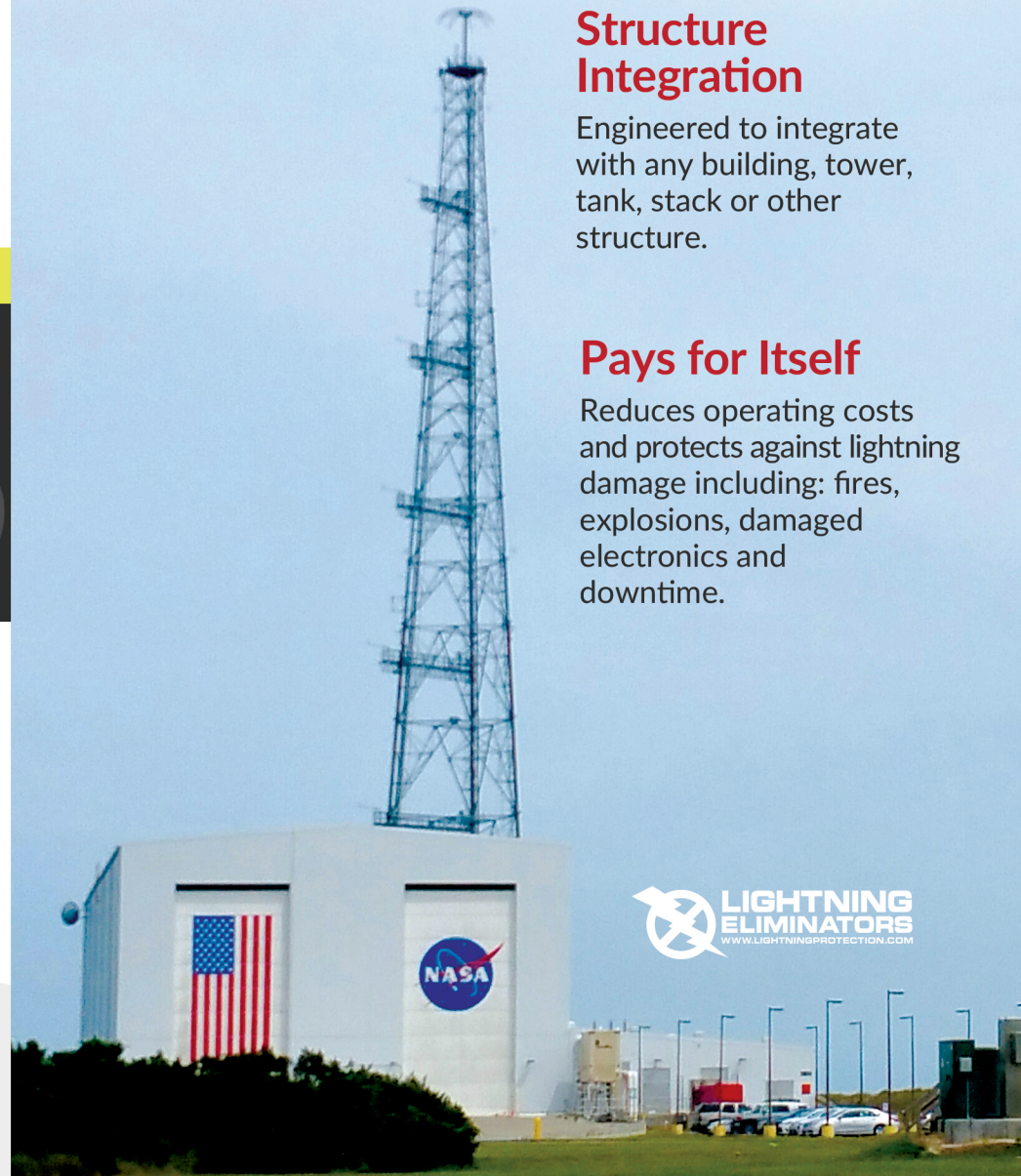
**DON'T ATTRACT LIGHTNING – ELIMINATE IT!**

## Universal Structure Integration

Engineered to integrate with any building, tower, tank, stack or other structure.

## Pays for Itself

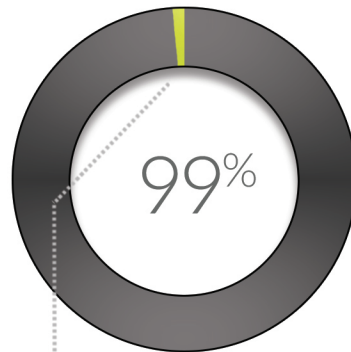
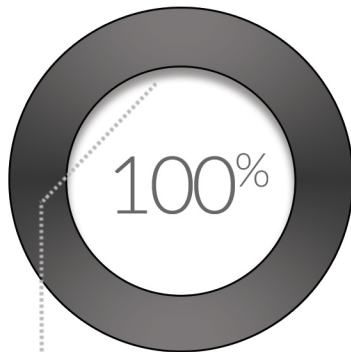
Reduces operating costs and protects against lightning damage including: fires, explosions, damaged electronics and downtime.



**BILLIONS OF DOLLARS SAVED**  
[www.lightningprotection.com](http://www.lightningprotection.com)



**Thousands of Strikes Prevented!**



<b>PDVSA</b> VENEZUELA	
installation date	1992
expected strikes	99
reported strikes to protected area	0
success rate increase	<b>100%</b>

<b>FedEx</b> MEMPHIS, TN	
installation date	1985
expected strikes	353
reported strikes to protected area	2
success rate increase	<b>99%</b>

LEC maintains lightning protection systems (LPS) and solutions in over 90 countries and throughout the United States.



Pictured:  
**EXXON**  
in India

**DON'T ATTRACT LIGHTNING - ELIMINATE IT!**



**LIGHTNING  
ELIMINATORS**  
WWW.LIGHTNINGPROTECTION.COM

**DAS<sup>®</sup>**  
**DISSIPATION**  
**ARRAY<sup>®</sup> SYSTEM**  
ENGINEERED TO PREVENT  
LIGHTNING STRIKES



**I WAS STRUGGLING TO FIGURE  
OUT HOW LIGHTNING WORKS  
THEN IT HIT ME!**

***DON'T LET IT HAPPEN TO YOU!***  
**CONTACT LIGHTNING ELIMINATORS**

---

6687 Arapahoe Rd. | Boulder, CO 80303, USA  
303-447-2828 | [info@lecglobal.com](mailto:info@lecglobal.com)