



**Lightning Eliminators
& Consultants, Inc.**

INTEGRATED LIGHTNING SOLUTIONS WORLDWIDE

LIGHTNING PROTECTION

GROUNDING SYSTEMS

SURGE SUPPRESSION

ENGINEERING & CONSULTING

THE ONLY TECHNOLOGY THAT ASSURES NO STRIKES TO THE PROTECTED AREA

Today's demanding industries require more from their people, processes, and assets than ever before. Downtime is not an option. Yet, a single lightning strike can cripple even the most successful business.

Lightning Eliminators & Consultants, Inc. (LEC) provides comprehensive systems that stop catastrophe before it happens. Unlike outdated lightning rods, LEC solutions are truly preventive, combining lightning protection, grounding, and surge suppression to create an "Isolation Zone" that inhibits direct strikes to the protected site and minimizes the effects of any strikes nearby. Our engineered systems build on 35 years experience working with businesses in many specialized industries and extreme environments. The result is a truly effective lightning protection system appropriate for the most mission-critical and capital-intensive operations.

LIGHTNING PROTECTION

LEC's advanced Dissipation Array® System (DAS®) prevents lightning strikes to the protected area and the array itself by continually lowering the voltage differential of the protected area to well below lightning potential. Because direct strikes are prevented, secondary effects are eliminated as well.



The Dissipation Array is engineered in several configurations for installation on buildings and earthbound structures. With a 99.85% success rate, DAS works with LEC's grounding and surge technologies to effectively dissipate storm charges, thereby preventing the formation of lightning in the isolated area.

GROUNDING SYSTEMS

The grounding components of an integrated lightning solution must efficiently move storm-induced charges away from the protected area. LEC achieves this in the form of innovations such as our Chem-Rod® grounding electrode and Retractable Grounding Assembly™ (RGA™).

A five year study by the National Electrical Grounding Research Project named Chem-Rod the most efficient grounding electrode, with the lowest resistance and surge impedance of any product tested. Available in horizontal and vertical configurations, Chem-Rods are refillable for continuous performance and superior safety, in most cases at a lower cost than conventional rods.



For floating roof tanks, the RGA solves the challenge of creating a continuous low-impedance bond between the tank roof and wall, greatly reducing the risk of fires sparked by lightning. The RGA provides the petrochemical industry with an effective, low-maintenance grounding solution with exceptional return on investment.



SURGE SUPPRESSION

The transient voltage surge suppression (TVSS) components of LEC systems are among the highest surge handling capability in the industry, with patented design technology. Our Sandwich Block™ modules are available in single, split, or three phase configurations, with up to 640,000 amps of surge protection per phase. The Sandwich Block's unique technology uses no wire, solder, or PCB's in the current path. This design eliminates lag time while conforming to UL 1449, 2nd Edition without compromising tight clamping voltages.



OUR PERFORMANCE GUARANTEE

All LEC products are designed for unequalled performance and quality. Learn more now by calling +1 (303) 447-2828, or toll free in the US at (800) 521-6101.

PHONE: +1 (303) 447-2828

WWW.LECGLOBAL.COM

PROTECTING SITES WORLDWIDE



Petrochemical



Utilities



Towers & Antennas



Process Facilities



Data Centers



Offshore Platforms



Hazardous Materials



Transport Hubs

“LEC technology is standard equipment when we put in a new facility. We’re protecting the life and safety of our personnel, we’re protecting our assets, and we’re preventing service disruption for our customers. We’ve had very good results... which have been well worth the money.”
- LEC Repeat Customer

- FEDEX

UPS

EXXON

AT&T

FBI

CIA

US ARMY

NEC

HITACHI

MOBIL

US NAVY

US AIR

MINDE

FP&L

DUPON

PEMEX

CABOT

ELF

CHEVR

SHELL

GE NU

DOE

ENTER

MAINE

CAROL

MID CA

RUTHE

FLORID

ISRAEL

CANAD

ONTAR

CSX R

ALLTE

PHILLI

TEXAC

UNION

US CO

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JOHNS

TAIPEI

STATE OF LOUISIANA

CUBIC CORP

NASA ROSMAN NC

DOE, SANDIA LABS

TRW-DEFENSE & SPACE

FLINT ENERGY

AMP INC.

EMORY UNIVERSITY

ZAIRE GULF OIL CO.

DOW CHEMICAL CO.

JAPANESE DEFENSE AGENCY

TRW

KELLOG COMPANY

GPU

STATE OF COLORADO
- CNN

ABB

TRI-STATE GENERATION

THREE MILE ISLAND

PPG

AKZO NOBEL CHEMICALS

HOLIDAY INN

GOODWAY REFINING

NATIONAL PETROLEM - NIGERIA

TURNER BROADCASTING

mitsui JAPAN

WHO’S USING LEC SOLUTIONS?

- Refineries, Tank Farms, Offshore Platforms
- Petrochemical & Hazardous Materials Facilities
- Electric Utilities, T&D, Nuclear Plants
- Process Manufacturing, Pharmaceuticals
- Data Centers, Telecomm, Broadcasters
- 911, Corrections Facilities, Hospitals
- Airports, Shipping Ports, Transport Hubs
- Government, Military, Defense Installations

WHO CAN BENEFIT?

- Any mission-critical operation
- Any capital-intensive facility
- Anywhere risk of lightning damage is simply unacceptable – fire, lost production, lost data and inventory, damage to equipment and electronics, injury and loss of life

- PONCE BROADCASTING,

WINZ RADIO MIAMI

WKBN RADIO YOUNGSTOWN

WSB RADIO TUCKER GA

KOSI RADIO AURORA CO

WXII - TV WINSTON-SALE NC

WARNER CABLE TV

KLAS - TV LAS VEGAS NV

TV COMMUNICATIONS CORP.

DAEWOO CORP

SNC LAVALIN INC.

TRANSCANADA PIPELINE

BASIS PETROLEUM

PDVSA/CORPOVEN

GE PLASTICS

THE LEC ADVANTAGE

Our expert consulting services are the foundation for a system approach to lightning prevention. We review past lightning events, existing protection, and geography, then recommend how protection should be implemented.

When you partner with LEC, you tap into our extensive experience in systems engineering, design, and application of comprehensive lightning protection, grounding, and surge suppression systems. We help companies around the world eliminate the damage and costs associated with lightning storms and their secondary effects. From the initial site survey and data collection, to installation and support, you can rely on LEC every step of the way.

We count many Fortune 500 and Global 1000 companies, as well as top engineering firms and government entities as long-time and repeat clients. These organizations turn to LEC for unequalled lightning protection and the resulting cost reductions to their properties and operations. Projects can range in size from single structures to entire facilities covering over 3 square kilometers.

HOW CAN WE HELP YOU?

We can minimize your exposure to the risks of direct and indirect lightning strikes. Contact us today to learn how.

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