CDÉ

ENERGIZING IDEAS

CORNELL DUBILIER

Cornell Dubilier

A privately-held company headquartered in Liberty, SC, Cornell Dubilier Electronics is a technology leader and manufacturer of high quality capacitors used in demanding industrial, medical and military/aerospace applications

CDE CORNELL DUBILIER
ENERGIZING IDEAS

CDE Core Products

Aluminum Electrolytic

- Screw Terminal
- Snap-in
- Flatpack
- Axial and Radial
- SMT

DC Film

- DC Link
- Snubber
- Axial and Radial
- SMT

AC & DC Oil-Filled

- 1Ø and 3Ø Harmonic Filters
- Power Conversion
- Motor Run
- HID Lighting

Mica

- RF Dipped
- RF Clad
- SMT
- Transmitting

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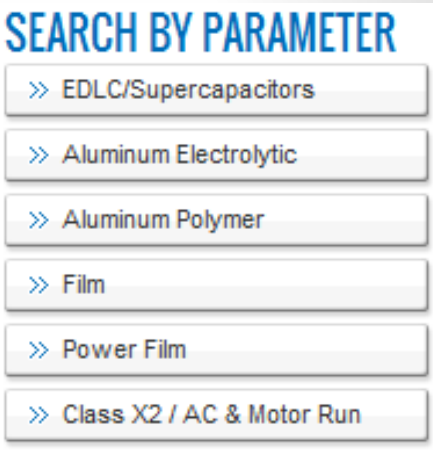
Our Most Recent Acquisition

Illinois Capacitor



Supercap Modules

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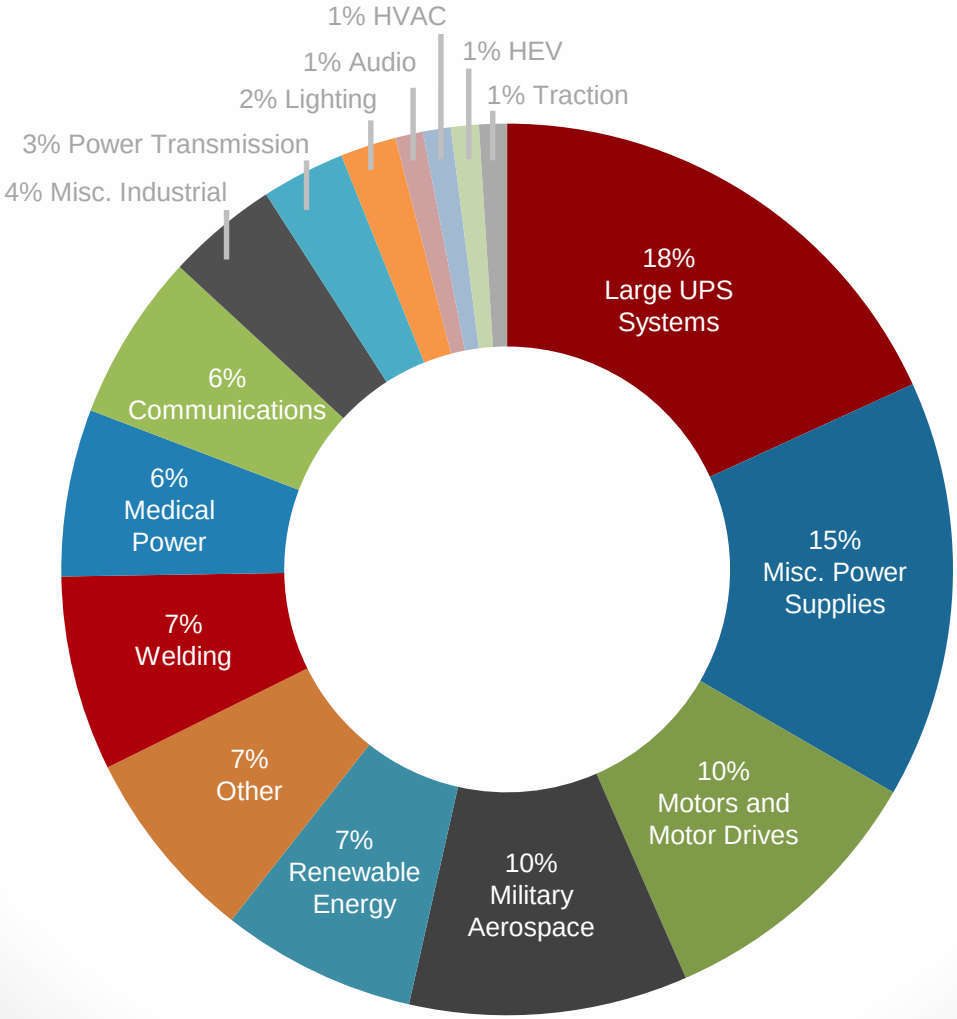
Markets



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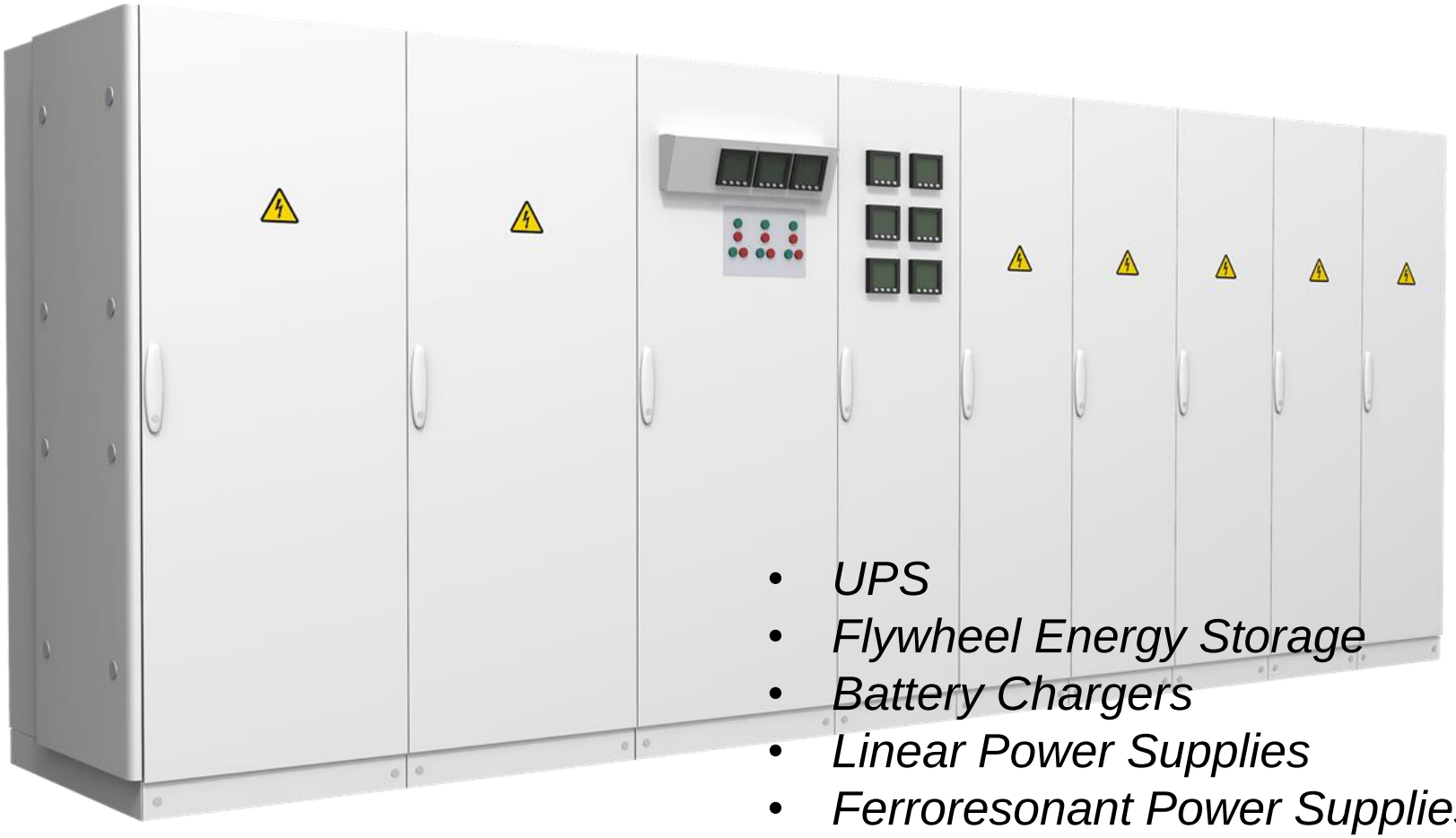
Where CDE capacitors are used

Power Supplies and Backup



- *UPS*
- *Flywheel Energy Storage*
- *Battery Chargers*
- *Linear Power Supplies*
- *Ferroresonant Power Supplies*
- *Fixed Output and Programmable Power Supplies*

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Where CDE capacitors are used

Industrial

- *Welders*
- *Motors and Motor Drives*
- *Motion Control*
- *Elevators*
- *HVAC Systems*

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Where CDE capacitors are used

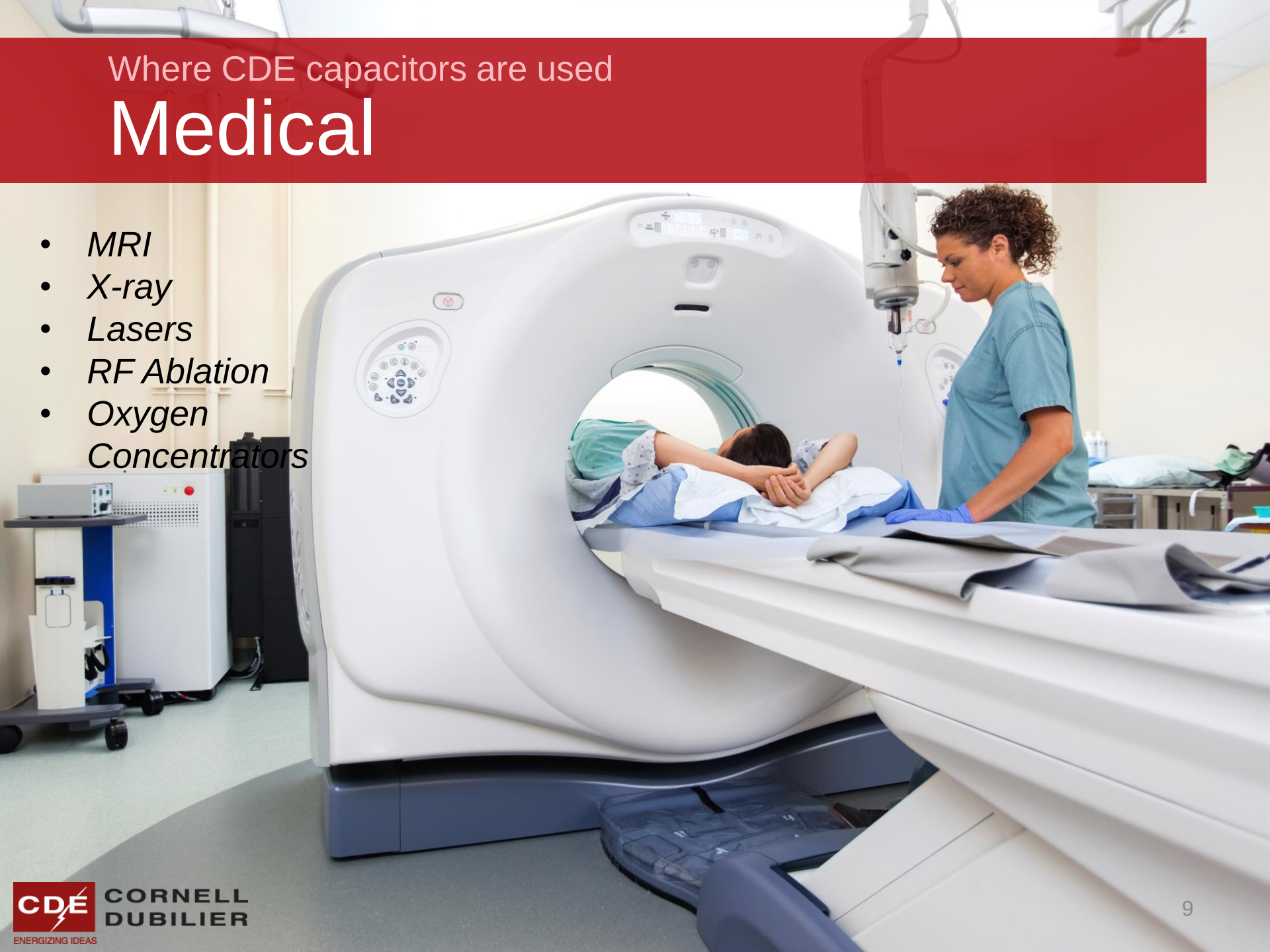
Military and Aerospace

- *Radar*
- *Commercial and Military Aircraft Power Supplies*
- *Cockpit Communications*
- *Black Box Recorder*

Where CDE capacitors are used

Medical

- *MRI*
- *X-ray*
- *Lasers*
- *RF Ablation*
- *Oxygen Concentrators*



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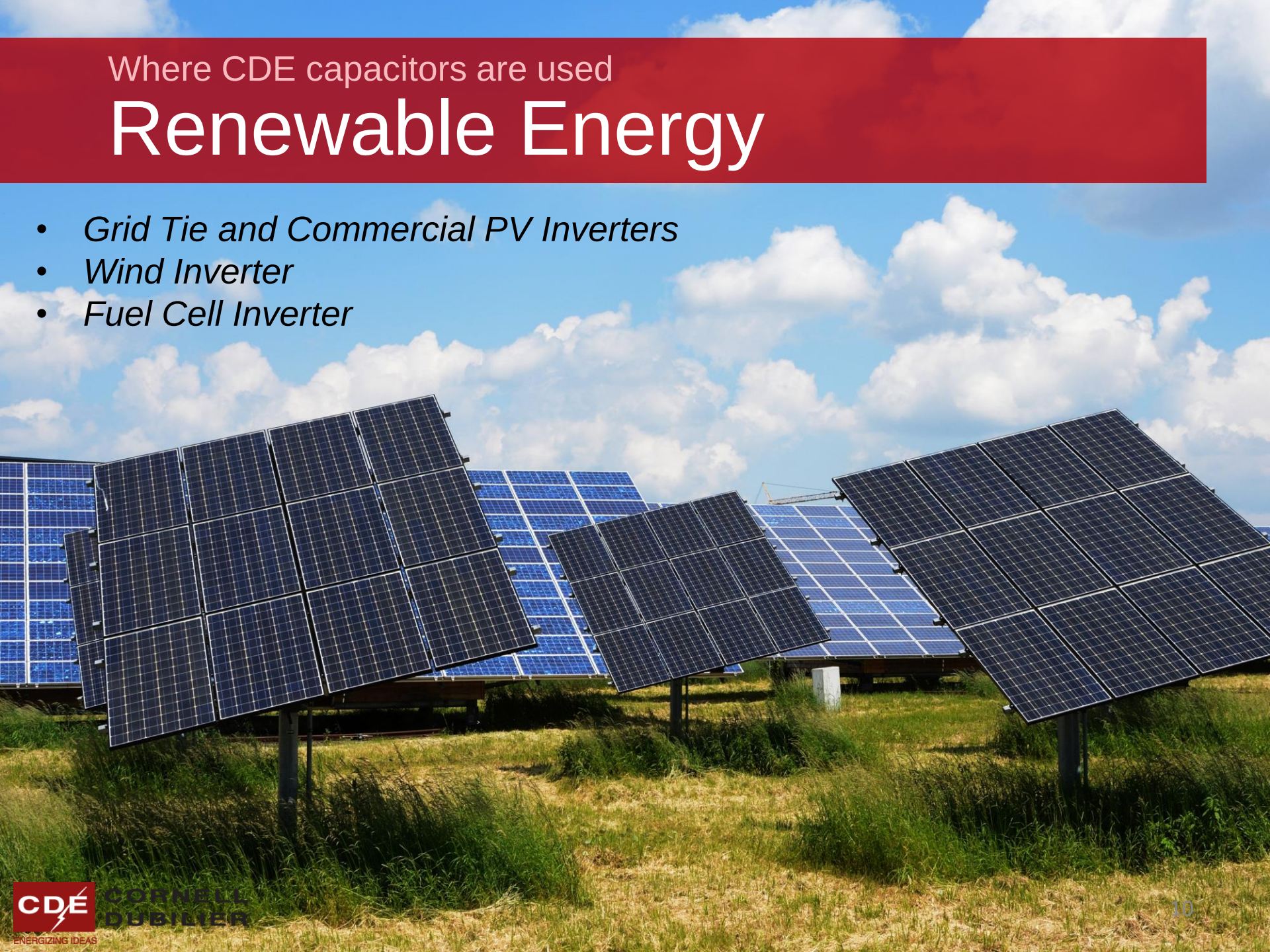
Where CDE capacitors are used

Renewable Energy

- *Grid Tie and Commercial PV Inverters*
- *Wind Inverter*
- *Fuel Cell Inverter*



Where CDE capacitors are used

Lighting

- *HID Lighting*
- *Professional Photography*
- *Strobe*
- *LED*

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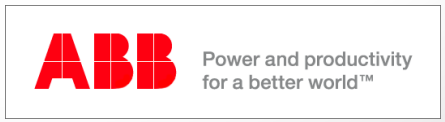
Where CDE capacitors are used

Audio

- *Audio Amplifiers*
- *Guitar Tone Circuits*
- *Battery Stiffening*
- *RF Tuning Circuits*

Global OEM Partners



EXPERTS IN EVERY
INDUSTRY APPLICATION

Whether your project requires a standard capacitor or a custom solution, our engineers will work with your team to arrive at the optimal solution

OUR ENGINEERS ARE EAGER TO COLLABORATE

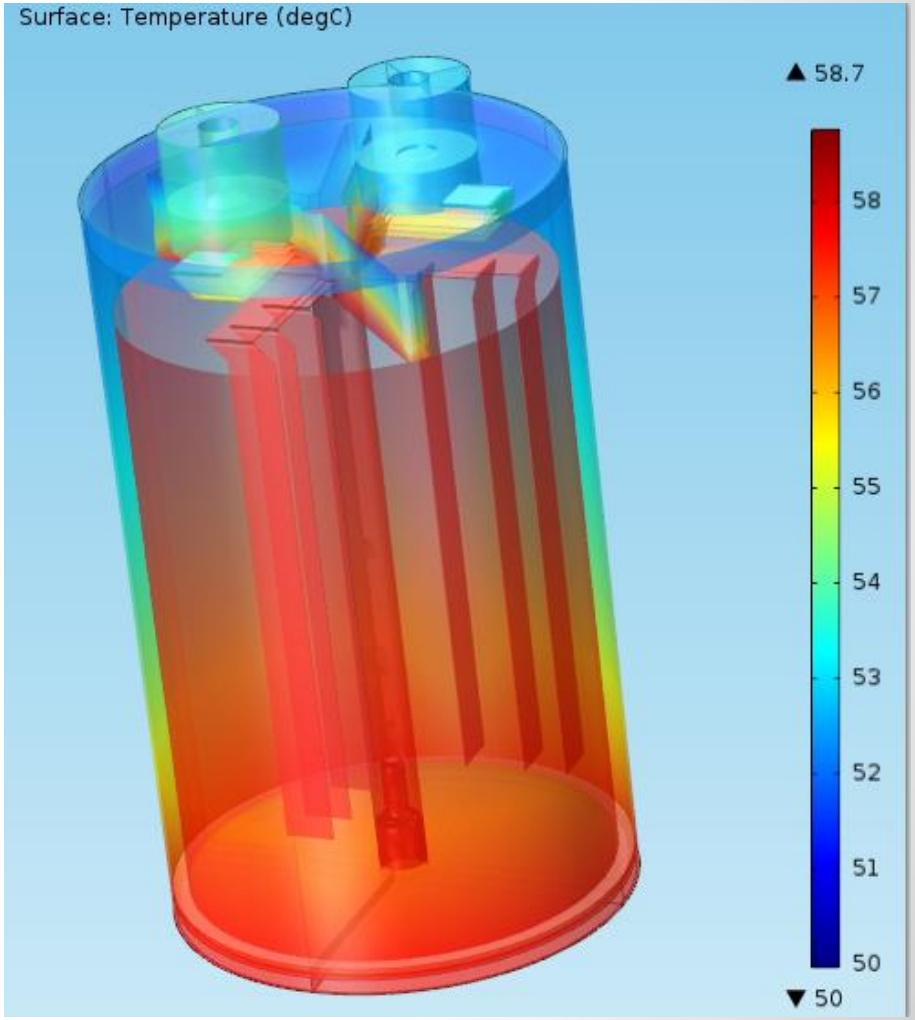
INNOVATION DRIVEN BY RESEARCH

CDÉ CORNELL DUBILIER
ENERGIZING IDEAS

Our Technology

R&D Center located in Liberty, South Carolina

- Advancing aluminum electrolytic technology, especially in the area of prismatic form factors
- Thermal and physical modeling of capacitors using COMSOL
- Advanced electrical and physical testing and analysis techniques.



COMSOL THERMAL MODEL OF SCREW TERMINAL ELECTROLYTIC

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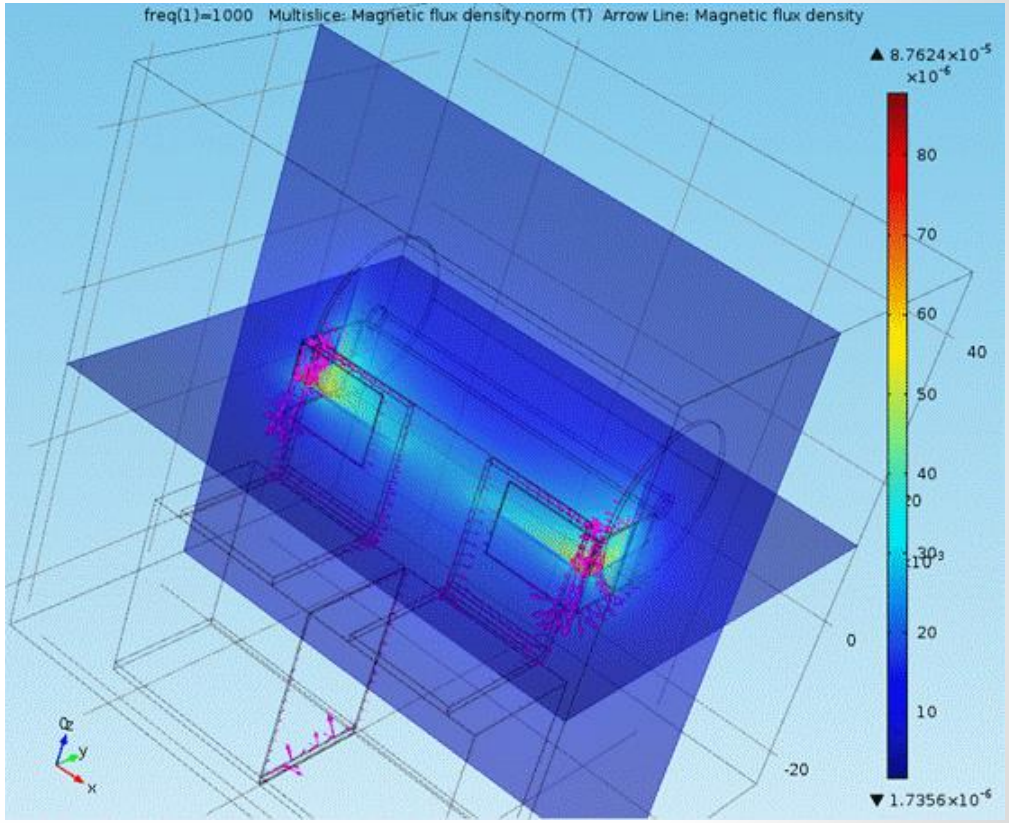
Our Technology

AC and DC Film Capacitor Development Center Located in New Bedford, Massachusetts

- Advancing AC and DC film technology to remain at the forefront of capacitor development in this dielectric technology



COMSOL MAGNETIC FLUX DENSITY MODEL OF IGBT SNUBBER

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Facilities

- Liberty, SC: Corporate headquarters, Aluminum Electrolytic R&D Center and manufacturing
- New Bedford, MA: Distribution Center and Engineering Development Center for AC and DC Films
- Mexicali, Mexico: Manufacturing
- Chicago, Illinois: Logistics center and Illinois Cap Customer Service Center for OEM Sales
- Kwun Tong, Kowloon, Hong Kong: Asia Sales and logistics center

Manufacturing Facility: 15,000 M^2, 205 People, 12 Engineers

LIBERTY, SOUTH CAROLINA

CDE CORNELL DUBILIER
ENERGIZING IDEAS

Home of CDE Headquarters and our principal manufacturing site for Screw Terminal Aluminum Electrolytic and Transmitting Mica

Manufacturing Facility: 15,000 M^2, 205 People, 12 Engineers

LIBERTY, SOUTH CAROLINA

CDE CORNELL DUBILIER
ENERGIZING IDEAS

CDE Manufacturing Facility: 11,000 M2, 400 Employees, 11 Engineers

MEXICALI, MEXICO

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Located just across the Southern California border, this facility is the largest mica capacitor factory in the world. Capacitors manufactured here include:

- Snap-in Aluminum Electrolytic
- AC Power Film Capacitors
- DC Film Capacitors
- IGBT Snubbers
- Mica Capacitors

CDE Manufacturing Facility: 11,000 M^2, 400 Employees, 11 Engineers

MEXICALI, MEXICO

CDE CORNELL DUBILIER ENERGIZING IDEAS

37,000 M^2, 48 Employees, 8 Engineers

New Bedford, MA

Located 60 miles south of Boston, this facility services all of the company's distribution business with thousands of stocked SKUs.

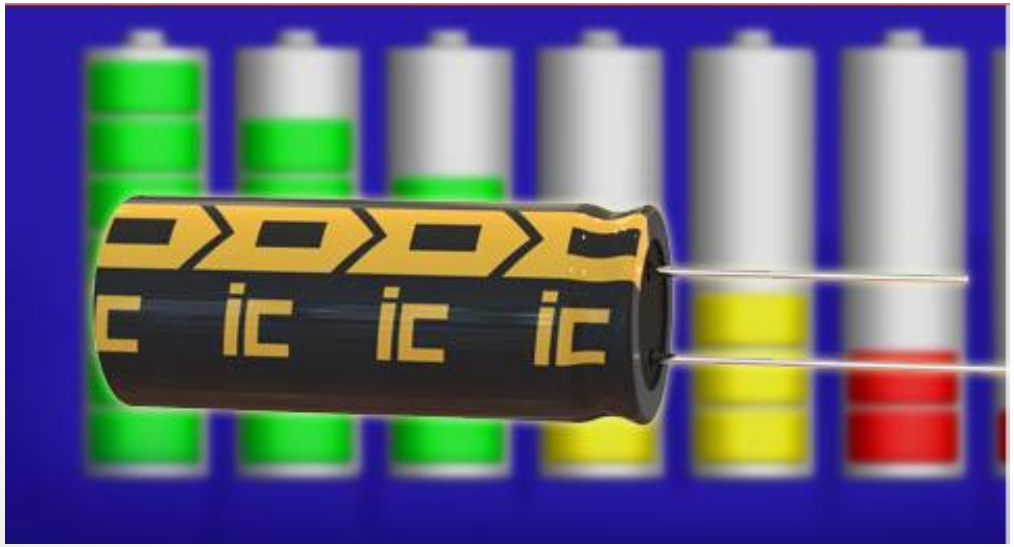
It is also our Engineering Center for all Film and Mica Capacitor products

CDE CORNELL DUBILIER ENERGIZING IDEAS

3,000 M^2, 19 Employees, 2 Engineers

Chicago, Illinois

Located in the Chicago area, this facility houses operations for Illinois Capacitor Customer Service, Engineering, Warehousing and Logistics.



CDE CORNELL DUBILIER
ENERGIZING IDEAS

Asia Sales and Logistics: 1,500 M^2, 19 Employees, 2 Engineers

Hong Kong

Our Asia sales office and logistics center is located in Kwun Tong, Kowloon, Hong Kong. Staffed with 19 people including sales engineers, customer service personnel, application engineers and technicians.

CDE CORNELL DUBILIER
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Global Sales Channels

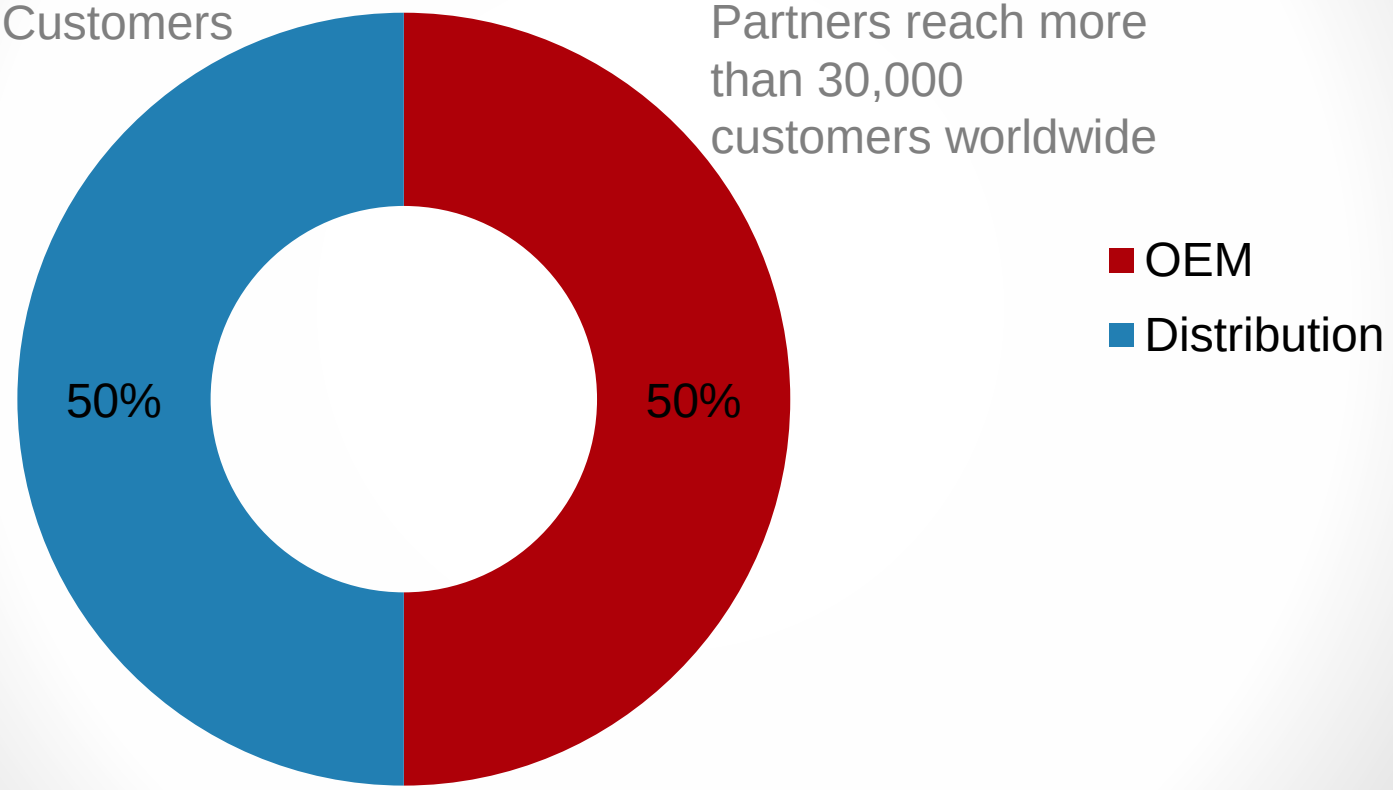
CDE International Sales Offices are conveniently located in North America, Asia and throughout Europe

CDE CORNELL DUBILIER
ENERGIZING IDEAS

Global Sales Channel

Direct Customers

Our Distributor Partners reach more than 30,000 customers worldwide



CDÉ CORNELL DUBILIER
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Global Distribution Partners

The CDE Advantage

- We have a broad portfolio of standard capacitor products for Power Electronics
- We excel with applications and custom capacitor designs for critical applications
- Access to CDE engineers
- Global logistics, sales and distribution network