

Company Information

- **Manufacturer of power switching components, power modules, and power systems-vertically integrated.**
- **Founded in 1994 through acquisition of GE-SPCO.**
- **Acquired Navy-funded PEBB technology from Harris Semiconductor in 1998.**

Area of Expertise

- **Power device design**
- **HV termination and passivation**
- **Packaging**
- **Electro-thermal testing and characterization**
- **System applications**
- **80+ patents in power device design and thermal management.**

Previous Relevant Accomplishments

- **With Northrop Grumman, demonstrated 0.5mm², 7kV, SiC GTO and, 4mm², 5kV, SiC GTO.**
- **Demonstrated 9kV Si SCR.**
- **125mm/5kV/4600A(ave)/115 °C Si SCR in production.**
- **200°C Si SCR in development.**

Contact Information

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Product / Technology Applications

Pulse Power
EM Gun



125mm
LSS

$\leq 300\text{Hz}$

Light Silicon
Sandwich



Transmission
Pulse Power



More Electric Ship (PEBB)



Transportation Industry



Laser Power Supply

Magnetic Pulse
Welding



Smart Munitions



More Electric
Aircraft



Hybrid
Electric
Vehicle

ETO™

to 5kHz

Emitter Turn Off
Thyristor

SGTO

to 25KHz

Super Gate Turn Off
Thyristor

MCT™

40 to 70 kHz

Mos Controlled Thyristor

SiC
SGTO™

> 100 kHz

Powerchip speed

Power

CUSTOMERS



We bring good things to life.

Ford Motor Company



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ALLIANCES



R&D → Measurable in Commercialization

