

## Evans Capacitor Company

is a privately held AS9100/ISO 9001 certified small business founded in 1996 and headquartered in East Providence, Rhode Island. Inventor and President Dave Evans found that combining a tantalum anode with a ruthenium oxide cathode yielded the most energy dense capacitor in the industry. These "EVANSCAPS" save weight, volume and power (SWAP) compared to traditional tantalum capacitors or aluminum electrolytic capacitors. They provide high capacitance ratings, long operating life, low ESR, and high current handling capability in a hermetically sealed Hi-Rel package. EVANSCAPS deliver a key (and often enabling) solution to applications including radar, laser, power hold-up, downhole drilling, electronic warfare and many more.

**EVANSCAPS** are qualified and in service with all tier 1 aerospace and defense contractors. In 2018 Evans Capacitor Company was selected by the US Small Business Administration as the National Small Business Subcontractor of the Year.



## The Most Power-Dense Capacitors in the Industry



72 Boyd Avenue, East Providence, RI 02914 USA  
401.435.3555 | [www.evanscap.com](http://www.evanscap.com)  
[info@evanscap.com](mailto:info@evanscap.com)



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2018 National Small Business  
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**Advanced Capacitors  
for Demanding  
Applications**

**Sales Contact for:  
Canada**



**BTI Global Innovation Inc.**

768 Adencliff Drive, Ottawa, ON, K4A 3E5, Canada  
+1 613-501 5316  
[bernadette@btiglobalinnovation.com](mailto:bernadette@btiglobalinnovation.com)



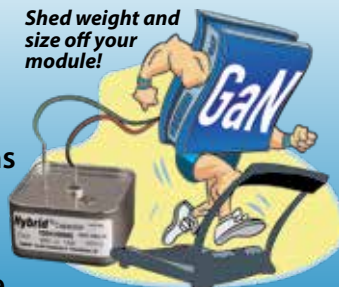
## The EVANSCAP Advantage...

- Ultra Low ESR and Inductance
- Withstands High Current, Temperature, Shock, and Vibration
- Rugged Hermetically Sealed Hi-Rel Design
- Unlimited Shelf Life
- Robust Design Allows for Extreme Duty Cycles
- Competitive Lead Times



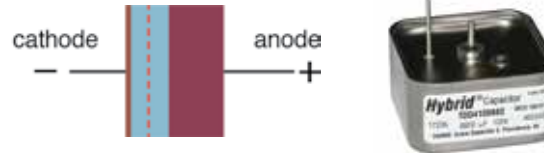
## DC Storage Power for Your...

- Radar (T/R Modules)
- Power Hold Up/Bridge Power (MIL-STD 704 / DO-160)
- Pulsed Laser
- Downhole Drilling
- Directed Energy
- Space Applications (Qualified to NASA INST-002)
- Electronic Warfare
- Many More



## What are EVANSCAPS?

**EVANSCAPS** are hybrid wet tantalum capacitors. The operating principle lies within the combination of a Tantalum ( $Ta_2O_5$ ) anode and a Ruthenium Oxide ( $RuO_2$ ) cathode.



- Two electrodes are connected in series by an electrolyte
- The  $TaO_5$  dielectric allows the capacitor to withstand high voltages
- The high capacitance  $RuO_2$  cathode increases volumetric efficiency

**EVANSCAPS'** unique chemistry and construction make it the most power dense capacitor in the industry.



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