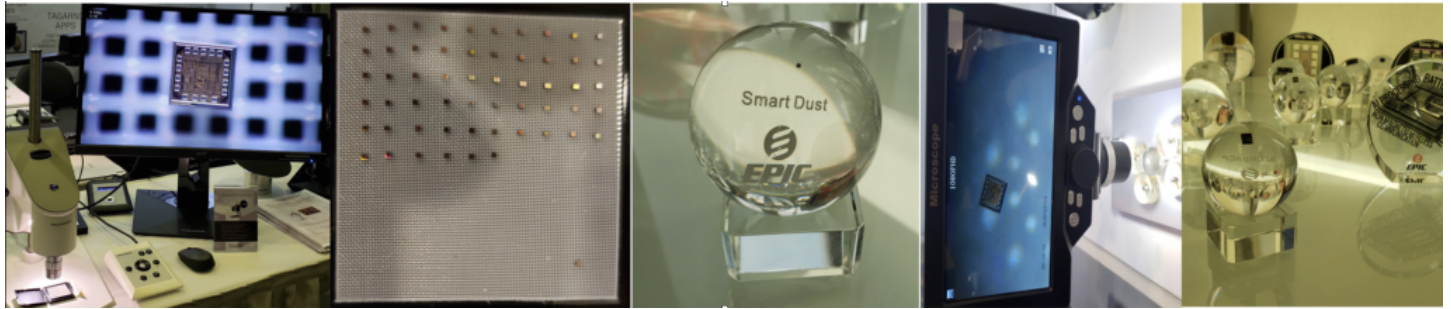


EPIC Semiconductors to Showcase Breakthrough Defence Solutions for DND and CAF at IDEaS Marketplace 2025



Vancouver, British Columbia Apr 29, 2025 ([IssueWire.com](https://www.issuewire.com)) - [EPIC Semiconductors](#), a Canadian leader in defence innovation, will unveil its revolutionary Smart Dust technology at the [IDEaS Marketplace 2025](#) on May 30, 2025, at the Westin Hotel in Ottawa, Ontario.

Hosted by the Department of National Defence (DND) and the Canadian Armed Forces (CAF), IDEaS Marketplace brings together the most advanced solutions to address critical military needs. EPIC Semiconductors will present Smart Dust, a transformational platform built to directly solve the military's toughest operational problems.

Smart Dust answers the need for:

- Real-time, century-lasting autonomous sensing, with no need for batteries, antennas, or external power
- Reliable operation through metal structures, underwater environments, and contested terrains
- Secure, non-magnetic, bi-directional communication without electromagnetic emissions
- Instant decision-making and resilient operational awareness in signal-denied environments

"Smart Dust is engineered to solve the real-world problems militaries face — from secure tracking deep inside steel ships to resilient sensing under Arctic ice," said Linda Zadeh, CEO of EPIC Semiconductors. "It offers real-time performance that can last for decades without maintenance, bridging critical capability gaps that conventional electronics cannot."

At IDEaS Marketplace, EPIC Semiconductors will showcase:

- Advancements in energy harvesting, secure non-magnetic communication, and advanced sensing solutions
- Fully validated Smart Dust ICs operating in metal-dense, underwater, and high-interference environments

