

The Domain of Vacuum Electronic Devices

VED Industry Partnership Project
Leadership Panel

EW Europe 2019
Stockholm, Sweden



ASSOCIATION
OF OLD CROWS

About the VED IPP

- The Vacuum Electronic Devices Industry Partnership Project (VED IPP) explores how the US Department of Defense, foreign military partners, and the global defense industrial base are in a strong and cooperative position to advance VED technology, including:
 - Traveling Wave Tubes (TWTs)
 - TWT amplifiers (TWTAs)
 - Microwave Power Modules (MPMs)
- Deliverables
 - Meeting with DoD Microwave Technologies Executive Agent
 - Issue Brief: “Rethinking What We Know About VEDs”
 - Technical Briefs on TWT Reliability & Efficiency (Summer 2019)

VED IPP Partners



Panel

- Mr. Malcom Carruthers, Vice President, Power & Microwaves
- Mr. Nigel Hann, Head of Sales, TMD Technologies
- Mr. John Knowles, Editor-in-Chief, Journal of Electronic Defense
- Mr. Ken Miller, Director, Advocacy & Outreach, AOC (Moderator)

Discussion

- Defense and industry leaders must rethink *outdated* and *disproven assumptions* that hold back investment in VEDs, especially TWTs and TWTAs.
- Overall **advances** in VED technology and ongoing research, most notably in *reliability* and *efficiency* of devices, have opened doors to new opportunities.
- Major **obstacles** in the way of progress for VEDs include:
 - Industry capacity
 - Supply chain
 - Intellectual capital

Download VED IPP Issue Brief at:

<https://www.crows.org/page/VEDIPP>

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