



Rugged Computer Systems for Extreme Environments

Trusted platforms for mission-critical applications

A global leader in the design and manufacturing of rugged, application-ready, COTS hardware platforms. We have supported plenty of rugged, industrial, and defence applications for land, sea, and air deployments for 30+ years.

Our products are proudly built **OCTAGON TOUGH**® in Canada, and are MIL-SPEC tested for superior and lasting performance in rugged environments. Customers can rely on our high-quality products and full lifecycle support.

Designed, Tested & Built
OCTAGON TOUGH®



ECHELON | 19" High-Density Server



CUTLASS | SFF Server



VANGUARD[®] | 19" All Purpose Server



VANGUARD[®]-SLIM | Short-depth mobile servers



HALFGUARD | Half-width mobile servers



TRAX[®] | GP SFF Platforms



FALC | GPU SFF Platforms



TOUGH TOUCH[®] | Rugged Displays



VIPER | L2 to L7 Layer Switch



STRONGHOLD | Rugged Cabinet



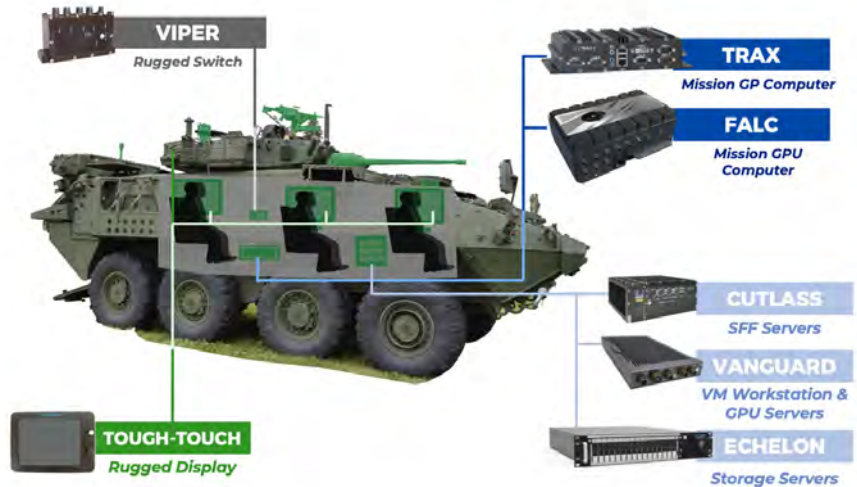
Systems and capabilities support

- Anti-Air Warfare
- ASuW & Land Attack
- Avionics Systems
- Command & Control Support
- Data Management Systems
- Driver Support Capabilities
- Electronic Warfare
- Ground-based Air Defence
- Integrated Bridge & Navigation Capabilities
- Internal Communication Capabilities
- Navigation Capabilities
- Ship Infra. System Management
- Mapping Capabilities
- Surveillance & Observation Capabilities
- Underwater Warfare System Capabilities
- Weapons' Systems



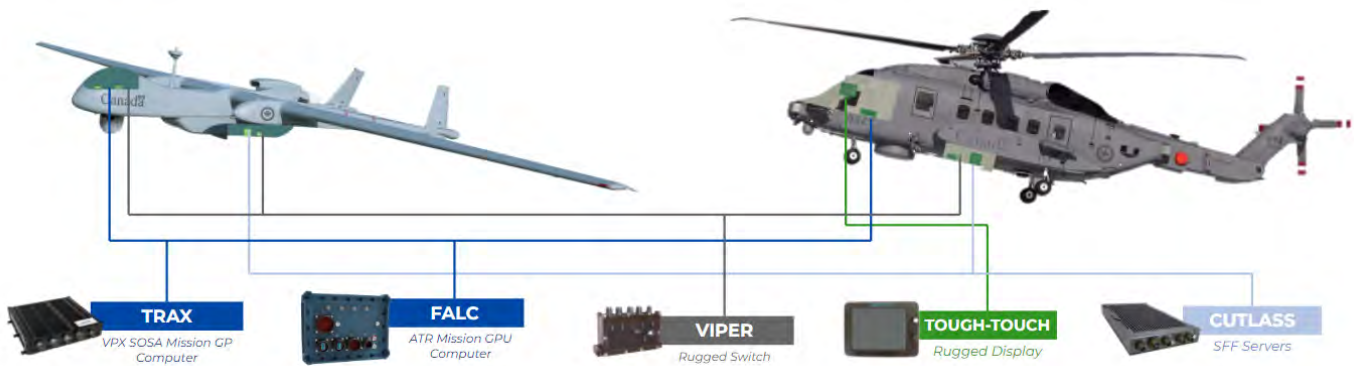
Land solutions

Connected, reliable, low-latency. Top system performance is non-negotiable for technology on armoured land vehicles, which are core to every armed force.



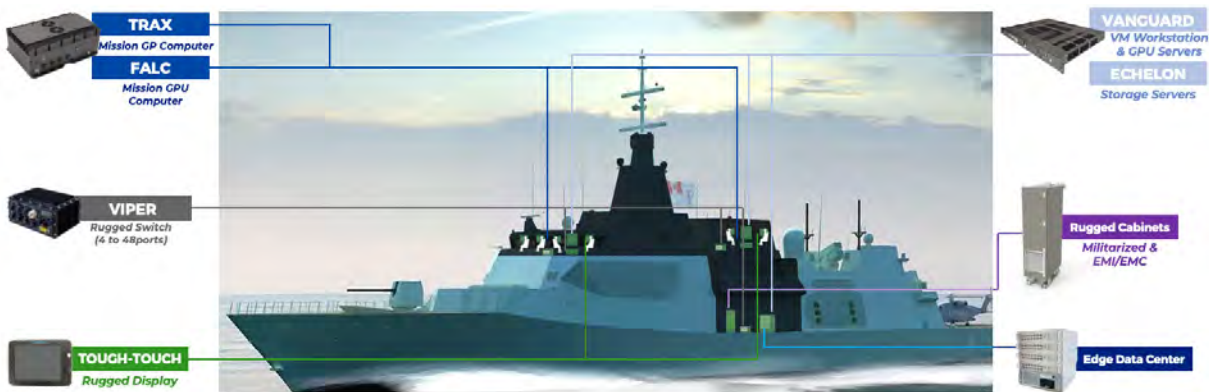
Air solutions

Solutions built with SWaP as the key design principle. Our technology is aviation-ready including avionic data bus technologies (e.g., MIL-STD-1553 and ARINC 429).



Naval solutions

Leading edge, rugged technology is paramount to peak performance and reliability in harsh environmental conditions that exist in navy applications.



Learn more about our products, view datasheets, and find ordering information at octagon.com/downloads. Scan the QR code to the right to view our site. »





What does it mean for a product to be

Designed, Tested & Built

OCTAGON TOUGH[®]

IT MEANS YOU CAN COUNT ON CRITICAL CAPABILITIES...



Servers with 16+ cores to support virtual machine applications.



Next gen GPUs for heavy video processing AI compute at the edge.



Hot-swappable drive bay and individual drives.



Portable data centres to bring high performance compute to the edge.



Highly connective and IoT-enabled devices.

...AND RUGGED TESTING.



Shock and vibrate MIL-STD-810



EMI/EMC MIL-STD-461



Pressure MIL-STD-810



Land, sea, air power equipment MIL-STD-1275, MIL-STD-1399, MIL-STD-704



Temperature cycling, thermal shock, & humidity MIL-STD-810



Built to NATO:STANAG Standardization Agreement

Kanata Location (HQ)

4015 Carling Avenue
Ottawa, ON
K2K 2A3

Toronto Location

201 Watline Avenue
Mississauga, ON
L4Z 1P3

Georgia Location

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