



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

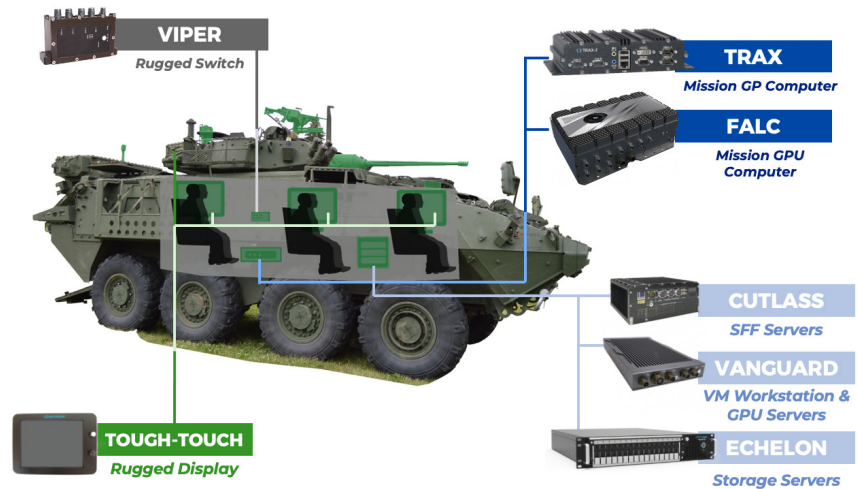


Systems and capabilities support

- 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

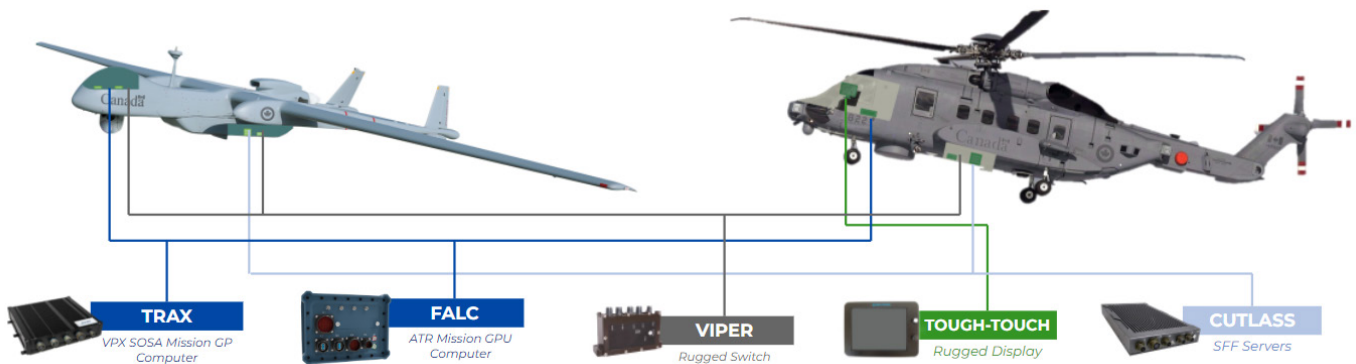
Land solutions

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



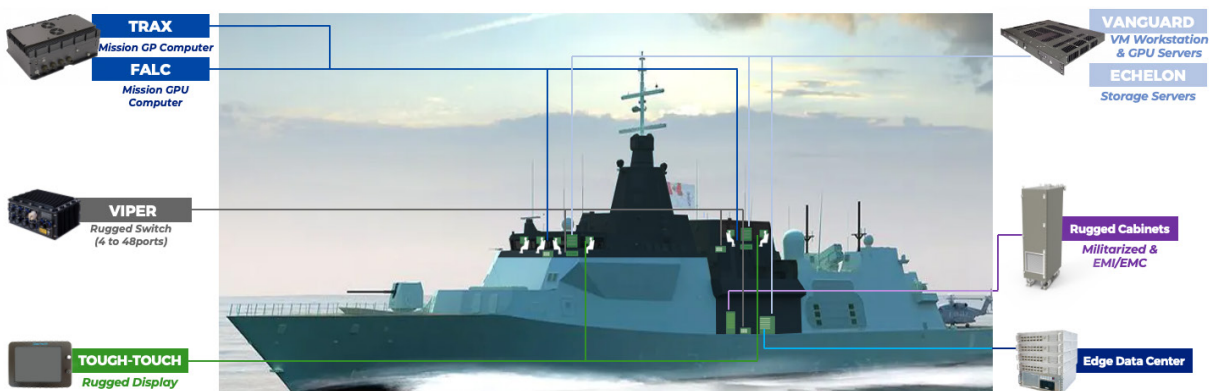
Air solutions

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 octagonssystems.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 vibe
MIL-STD-810



Pressure
MIL-STD-810



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



EMI/EMC
MIL-STD-461



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



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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