

KWESST Digitization Centre of Excellence (CoE)



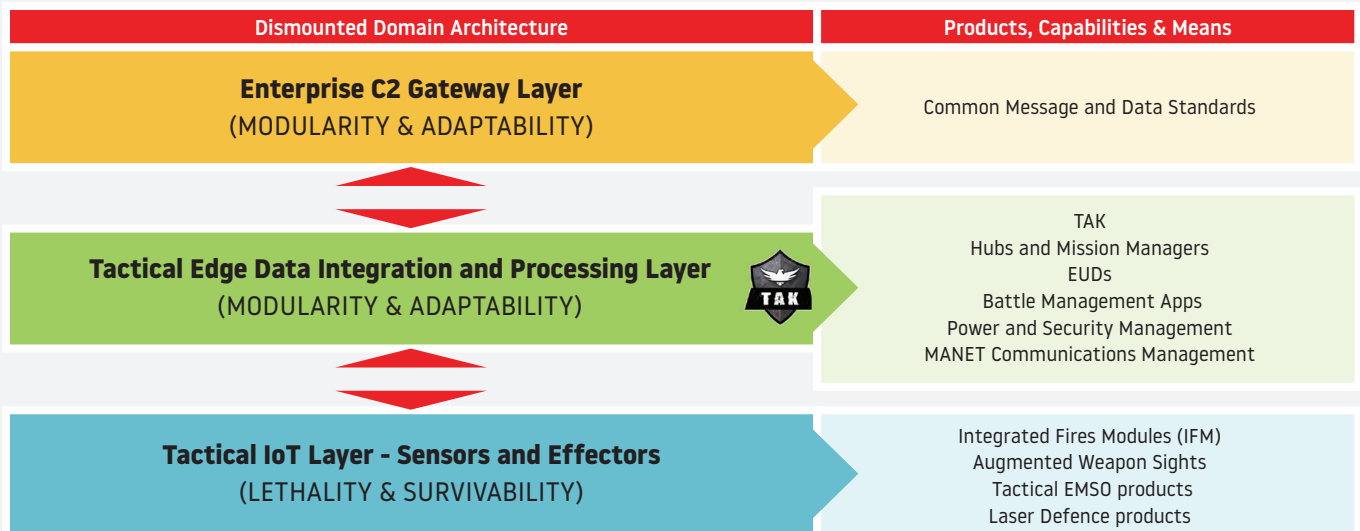
Soldier operating an ATAK enabled End User Device (EUD)

YOUR 'GO TO' COMPANY FOR SOLDIER DIGITIZATION

In modern land warfare, effective and reliable communications, coordination, command, and control means transporting digitized information in a high tempo, adaptive and dispersed battlefield environment.

A particular and perennial challenge in realizing this capability aspiration has been fully digitizing the 'tactical edge'; those commanders, soldiers, operators, and sensor systems conducting dismounted operations at the company level and below.

The KWESST Dismounted Digitization Architecture



YOUR PARTNER IN BUILDING SOLDIER **LETHALITY** AND **SURVIVABILITY** THROUGH **MODULARITY** AND **ADAPTABILITY**

The KWESST Digitization CoE is focused on meeting this challenge. The KWESST Digitization CoE provides agile, reliable, and rapid responses to support specific 'tactical edge' systems integration needs. The company's capability and product development strategy is deliberately focused on enabling operators and soldiers at the "tactical edge" through a three-layered architectural vision that guides its product and capability development strategies, and has, at its heart, a Modular Open Systems Architecture (MOSA) integration and data-exchange approach:

- **Tactical Internet of Things (IoT) Layer**
 - ▶ Design and development of niche sensor and effector products that enhance operator/soldier Lethality and Survivability
- **Tactical Edge Data Integration and Processing Layer**
 - ▶ Enabling Modularity and Adaptability
 - ▶ Team Awareness Kit (TAK) as a foundational battle management building block
 - ▶ Integration with any the latest MESH Communications solutions
 - ▶ Power and Security Management
 - ▶ Supporting EUDs, Hubs and mission manager hardware
- **Enterprise Command and Control (C2) Gateway Layer**
 - ▶ Modularity and Adaptability thereby enabling integration into higher level Land C4ISR open systems architectures
 - ▶ Common messaging and data standards
 - ▶ Integration into higher level security architectures



KWESST Phantom™ TAK integrated Tactical Electro-Magnetic Spectrum Operations (EMSO) System



KWESST 81mm Mortars TAK Integrated Fires Module (IFM)

Contact Us

KWESST Micro Systems Inc

155 Terence Matthews Crescent, Kanata, ON
K2M 2A8 CANADA
c/o

Mr. Rick Bowes

Vice-President Operations
bowes@kwesst.com

