

## Our Solutions



E100 Ground Control Station (GCS)

Our Professional services can provide data supporting:

- Protection of oceans and coastline
- Ice/Iceberg patrol
- Search & rescue
- Real-time video feed during rescue operations for support agencies
- Monitoring harbor approaches, vessels in distress
- Full Motion Video of suspect vessels
- Real-time imagery during critical incidents (flooding)
- Real-time forest fire mapping and hot spot detection
- Post storm/fire damage surveys
- Monitoring of forest health
- Wildlife Habitat Assessment
- Wildlife herd monitoring/tracking
- Environmental studies
- Air quality assessment
- Land surveying and contour mapping
- Watercourse alteration inspection
- Erosion monitoring
- Power line/pipeline monitoring/inspection
- Aerial photography



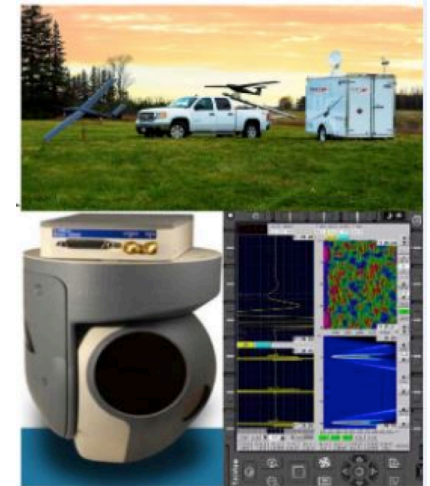
## TIER 1 UAV Solutions

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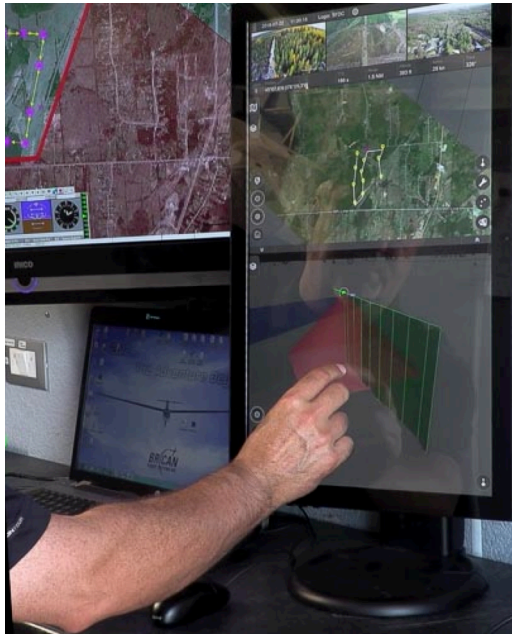
## TIER 1 UAV Solutions



**Get Some Perspective**

**Tel: 902.719.7427**

## Our Systems



Using the latest technology to maintain Situational Awareness (SA)

### Data Collection

TEIR 1 UAV Solutions provides specialized aerial data collection and high-resolution imagery services for our clients.

We can collect virtually any type of data you require using a suite of payload options that include:

- LIDAR
- SAR
- Broadband Thermal Imaging
- Weather Mapping
- MAD
- Photogrammetric Survey Sensors
- EO/IR
- AIS

### The E100 Enterprise UAV

Completely Canadian designed and built to the highest aviation standard the Brican Flight Systems E100 UAS is the most capable system in the 'Small UAV Class <25kg.'

- Vehicle, Ship or Ground mounted launch
- Autonomous recovery
- Interoperability with existing CF, DFO, RCMP and Coast Guard systems
- Multiple Plug and Play Sensors
- Quiet (Green/silent battery option available)
- Radio Relay capability for "dead" zones

### Professional Services

TEIR 1 UAV Solutions is providing consultation, Special Flight Operations Certificate (SFOC) support, training, research flights, and distribution of the E100

Our team is among the most skilled in Canada; experienced in military and civil UAV operations and Transport Canada compliant.

Experienced in rapid response deployment we can provide client tailored UAV flight operations.



E100 with the CAE MAD-XR installed in wing pods

### Our Team Leaders

John Saunders - President

[jsaunders@tier1uavs.com](mailto:jsaunders@tier1uavs.com)

John has worked in military aviation since 1993, and in the international commercial UAV industry since 2009. He has been employed overseas as a UAV Operations Manager, UAV Site Manager, and UAV Pilot Instructor teaching ground school, simulator training, flight training, and mentor to military aviators. He maintains a Canadian pilot license and instrument rating.

Mark Levack – Operations Manager

[mlevack@tier1uavs.com](mailto:mlevack@tier1uavs.com)

Mark left the Air Force in 2008 after 27 years as an Air Navigator. He spent the next five years overseas as Site Manager for a major UAV services provider. Since 2014 he has worked as an Air Operations Consultant specializing in unmanned aircraft.

### ***TIER 1 is asking:***

*What data could your department/organization really use to your advantage?*

*Can UAV technology be incorporated to improve the services you currently offer?*

*Which of our UAV services could allow you to offer new innovative programs?*