Star Solutions

Rapid Deployment & Private LTE Solutions
Introduction & Background

- Canadian company based in Richmond, BC
- Network infrastructure supplier with 25+ years experience in mobile networks
- Design, build & support specialized mobile network equipment & solutions
- Focused on Rural/FWA, Private Mobile Networks, Emergency Networks
- Deployments in over 30 countries
Emergency & Rapidly Deployable Networks

- MILITARY
- POLICE
- DISASTER MANAGEMENT
- US DHS
- WILDFIRE
Rapid Deployment System Products

- Specialized Equipment Configurations
- Combines Core + RAN Equipment into single system
- Technologies available: CDMA, GSM, LTE
- Set up for easy deployment and high portability for disaster/incident response

IMPAC - Backpackable
- 500 users
- Cellular Radio
- Built-in Core Voice & Data
- 6hr battery

iCell COMPAC-N
- 500 users
- Cellular Radio
- Built-in Core Voice & Data Core network
- Emergency Auto-registration

Customized LTE MacPAC
- 1K+ users
- Multi-sector Macro eNodeB
- Optional Ethernet/VPN Equipment
iCell COMPAC-N LTE (Network in Box)

iCell COMPAC-N LTE

- Outdoor Enclosure IP65
- LTE 2 x 2 MIMO; 2 x 20W Tx Power
- 5, 10, 15, 20MHz Channel Bandwidths
- 192 Active Users, < 20 kilograms
- Available in most commercial FDD LTE Bands
- Internal Core Network Functions
  - EPC for stand-alone LTE operation
  - VoLTE for voice/text services
Private Mobile Networks
Private Networks on Military Bases
Remote Communications

Complete End-to-End 4G LTE Network

- Star Solutions iCell COMPAC-N LTE Network-in-Box (NIB)
- Can be deployed with an IP based backhaul solution including:
  - Terrestrial backhaul links including fiber, microwave, etc...
  - Satellite transmission based backhaul
- Easy to setup and online within minutes from power up
- Used in industries such as Mining, Forestry, Farming

iCell COMPAC LTE NIB
VSAT Trailer
LTE Antenna
Rugged Devices
On Ship Network for IoT/M2M
Specialized Maritime Network – IoT/M2M

Specialized Mobile Network Solution

- Standalone Operations
  - Core Network & RAN
- Continue to Collect Data even when Satellite is not available
- Built-in Geo-Fencing
Who Do We Work With?

Experience & End Users Today

- **Public Safety**: RCMP, Emergency Management, Military Organizations
- **US Organizations**: DHS/NIST/PSCR, Harris County, Disaster Relief Organizations
- **Private Mobile Networks** – Forestry, Mining, Agriculture, Military Organizations

Looking for Users with Needs for Rapid Deployment LTE/Cellular

- **Private LTE** – Site / Campus connectivity solutions for military bases (eg. CBRS)
- **Emergency / SAR Support** – For Search & Rescue: Detection of mobiles; auto-registration
- **Integration** – Private LTE, stand-alone networks for industry, public safety, remote operations
- **LTE Connectivity** – Integration into communications requirements/deployment scenarios
• Accomplished cellular network infrastructure equipment manufacturer
• Experienced in Deployment of Commercial & Private Mobile Networks + Emergency / Deployable systems
• Contact Myles Lu – Myles.Lu@starsolutions.com

Connect with us!
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