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

Rural / FWA

Private Mobile Networks

Emergency Rapid Deployment

Emergency & Rapidly Deployable Networks

STARSOLUTIONS™

MILITARY

POLICE

US DHS

DISASTER MANAGEMENT

WILDFIRE

Rapid Deployment System Products

STARSOLUTIONS™

- 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

IMPAC

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

iCell COMPAC-N

Customized LTE MacPAC
- 1K+ users
- Multi-sector Macro eNodeB
- Optional Ethernet/VPN Equipment

MacPAC

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

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

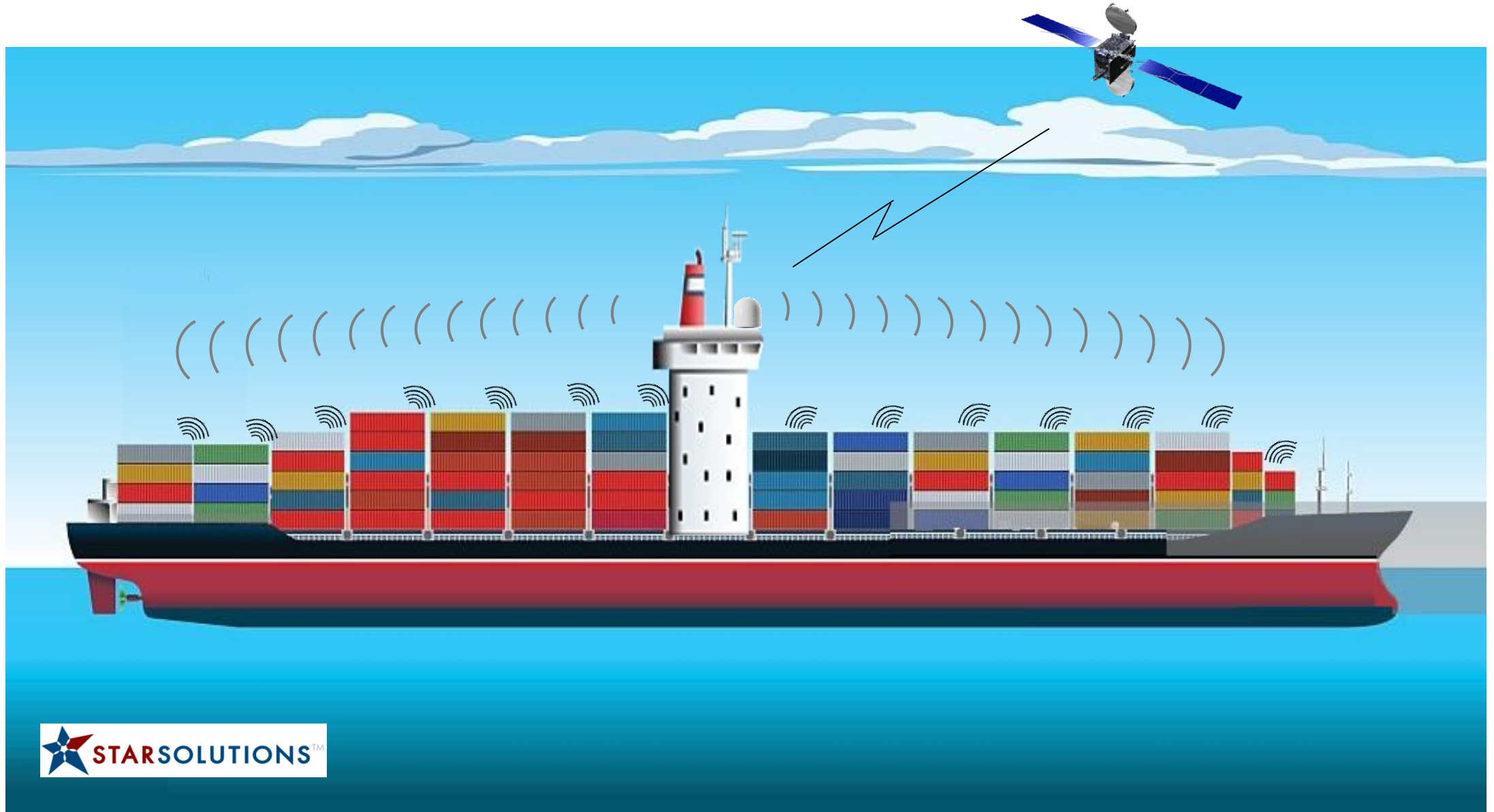iCell COMPAC LTE NIB   VSAT Trailer   LTE Antenna   Rugged Devices

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?

STARSOLUTIONS™

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

STARSOLUTIONS™

- **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!

Web: www.starsolutions.com

Twitter: @starsolutionsii