

Mobility for SATCOM uses has always been a hot topic. Satellite capacity grows rapidly around the world providing abundance of capacity for broadband connected world. On-the-move and on-the-pause applications are extensively used for various applications and markets:

- Military and homeland security
- Government and civilian emergency response teams
- Airborne, maritime and land public transportation and tourism cellular backhaul / Internet services
- Maritime and land fleet and freight management
- Welfare and luxury tourism

Satellite - Instant Worldwide Coverage

Satellite communications (SATCOM) provides the flexibility of unlimited capacity / bandwidth anywhere on the globe with virtually no setup time.

Add to that SATCOM-On-The-Pause (SOTP) and SATCOM-On-The-Move (SOTM) communications capabilities - SATCOM results as the most robust, versatile, and agile communication form globally, especially for those missions extending beyond connected metropolitan areas.

Commercial Maritime and LandMobile Fleet Management

The world is becoming always connected. Automation allows huge saving throughout the entire value chain when it comes to fleet management, freight management tracking and control.

Maritime and fleet management puts your business in control, improves operational efficiency and cuts excess expenditure, while providing your customers streamlined and informative experience.



Satellite Communications on the Move

WiFi / Cellular Distribution for Mass Passenger Transportation Platforms

We've all come to expect ubiquitous connectivity. Stay in touch with our business as well as our social lives.

SOTM (SATCOM On The Move) is key technology providing high-speed trunks to mass-passenger moving transportation platforms such as train lines and cruise ships. SATCOM provides global connectivity without limits of any existing terrestrial infrastructures.

SATCOM also plays key part for business connectivity as well as crew welfare at oil rigs, shipping lines and other off-shore missioncritical facilities.



Military Mobile Satellite Communications

Military mobile SATCOM uses vary and accommodate a wide range of missions and needs providing robust global and unlimited Command, Control and Communications (C3) beyond enemy lines, from theatre to a rear HQ or back to a home country where BLoS (Beyond Line of Sight) communications are needed.

Uses include:

- Command posts and other deployed battlefield battalions.
- Tactical communications for field-deployed troops, special-forces and elite units using small manpack quick-deploy on-the-pause communication links.
- Vehicular-mounted communications
- Tactical high speed links for unmanned military vehicles such as UAVs and USVs

The unique capabilities of SATCOM combined with huge global capacity availability solidifies the unique position of satellite based communications in the overall global military communications offering.



Satellite Communications on the Move

Emergency Response

Emergency response teams, civilian and governmental, require high speed connectivity to operation centers, databases and other organization computing resources. Teams provide and share ongoing data, voice and video streams allowing to better handle complex and multi-arena incidents.

As SATCOM communications is independent of any existing infrastructures and available globally, it provides emergency response teams the immediate unlimited bandwidth required allowing teams to cooperate and manage complex situations.



Mobile SATCOM Applications

Mobile SATCOM solutions are typically divided into three main deployment categories:

SATCOM On The Pause (SOTP) quick-assembly auto-pointing antenna:

- Emergency response
- Military field troops

SOTP quick-assembly, auto-pointing man-pack / “fly-away” complete terminals allows setting up satellite link in a matter of minutes for maximal portability.

SATCOM On The Move (SOTM) stabilized-tracking dish antenna:

- Commercial, maritime freight fleets
- Cruise ships
- Oil rigs and off-shore energy facilities
- Military land-vehicular forces

Stabilized auto-tracking antennas provide optimum spectral efficiency with full mobility capabilities.

SATCOM On The Move (SOTM) Low-Profile Antenna (LPA), Flat-Panel-Antenna (FPA) or Electronically-Steerable-Antenna (ESA):

- Military and governmental land-vehicular forces
- Land-mobile fleet management
- Train and long-haul public-transport Internet
- Military unmanned tactical vehicles

Low-profile antennas of several technologies provide full SATCOM mobility at non-intrusive, stealth installation profile.