

The Bittium logo, consisting of the word 'Bittium' in a bold, blue, sans-serif font.

Thomas Zieger  
Head of global Sales – Defense and Security  
Bittium Germany GmbH  
Rosenheimer Str. 143 C, D-81671 München, Deutschland  
phone: +49 160 90633833,  
mail: [thomas.zieger@bittium.com](mailto:thomas.zieger@bittium.com)  
[www.bittium.com](http://www.bittium.com)





## Communications & Connectivity Expert from Finland

- Founded in 1985
- Approximately 650 employees
- Offices in Finland, Germany, the USA, Mexico, and Singapore
- Listed in Nasdaq Helsinki
- **Defense and Security**
- **Medical Technology**
- **Connectivity**
- **Over 30 years** of defense technology experience in domestic and international R&D projects
- **Technology leadership in tactical communications** with advanced SDR and IP based products & systems
- **Founding Member** of European military SDR project ESSOR
- **Secure mobile communications and connectivity** solutions certified by NCSC-FI up to CONFIDENTIAL security level



## High Performance, Secure Vehicular Radio with Two Independent Channels

- Widest range of frequencies, 30 MHz – 2500 MHz without gaps, for maximum capacity and protection against jamming and interception
- Communicate securely over narrowband and wideband waveforms, including ESSOR High Data Rate Waveform
- Seamlessly port legacy and national proprietary waveforms
- Unique application sandbox for flexible integration of different C2 applications, e.g. BMS and blue force tracking
- Enables security certification both nationally and internationally
- Secure & easy device and network management prior, during, and after deployment



National  
Champion





## High Performance, Secure Handheld Radio for Dismounted Soldiers

- Part of the same product family with Tough SDR Vehicular radio.
- Handheld has the same key features, including the waveforms, widest range of frequencies, secure & easy device and network management etc.
- Bittium Tactical Power Pack™ provides uninterrupted field use for the radios. The Power Pack uses the same Li-Ion batteries as the Handheld radio
- Wired or wireless integration to soldier tablets or smartphones, such as Bittium Tough Mobile™ 2

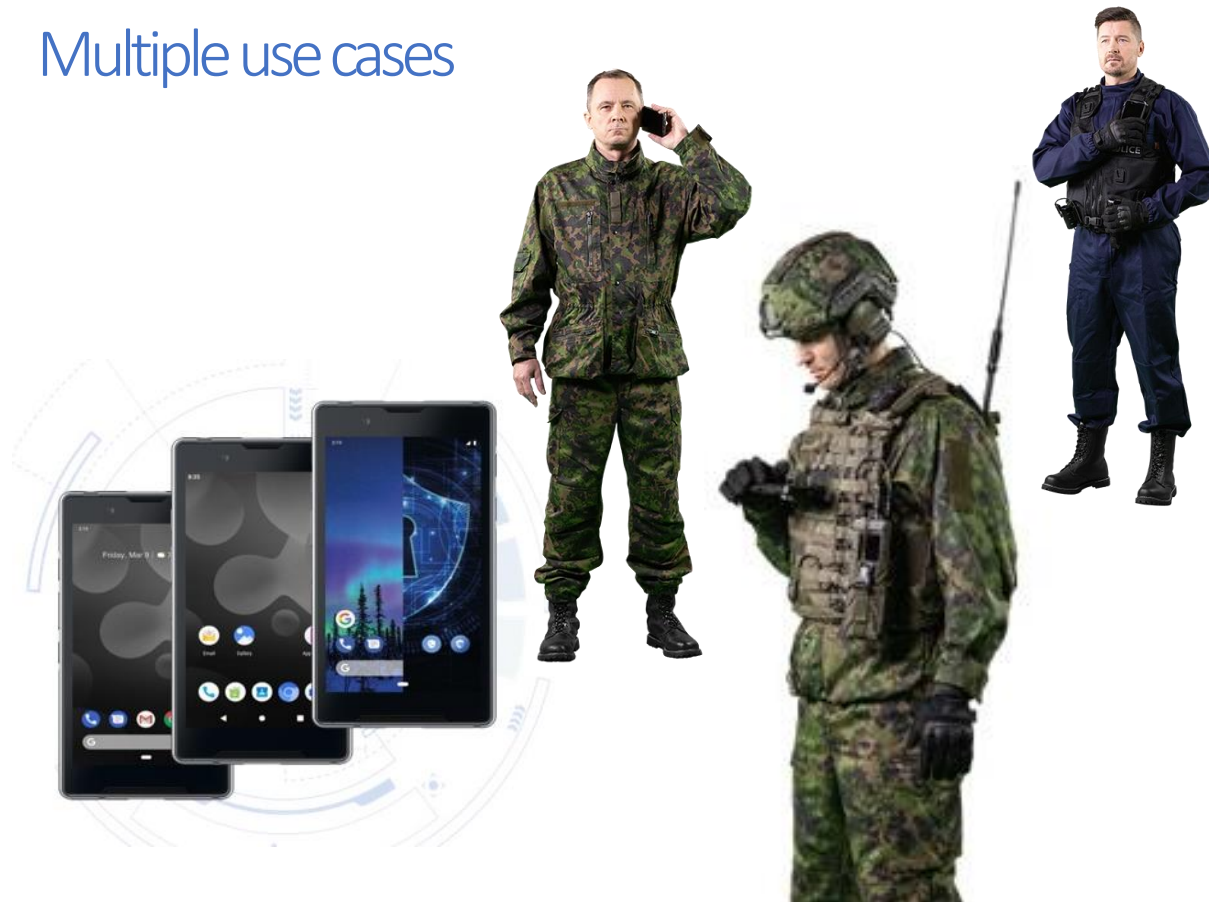


National  
Champion

Single hardware

Three software variants

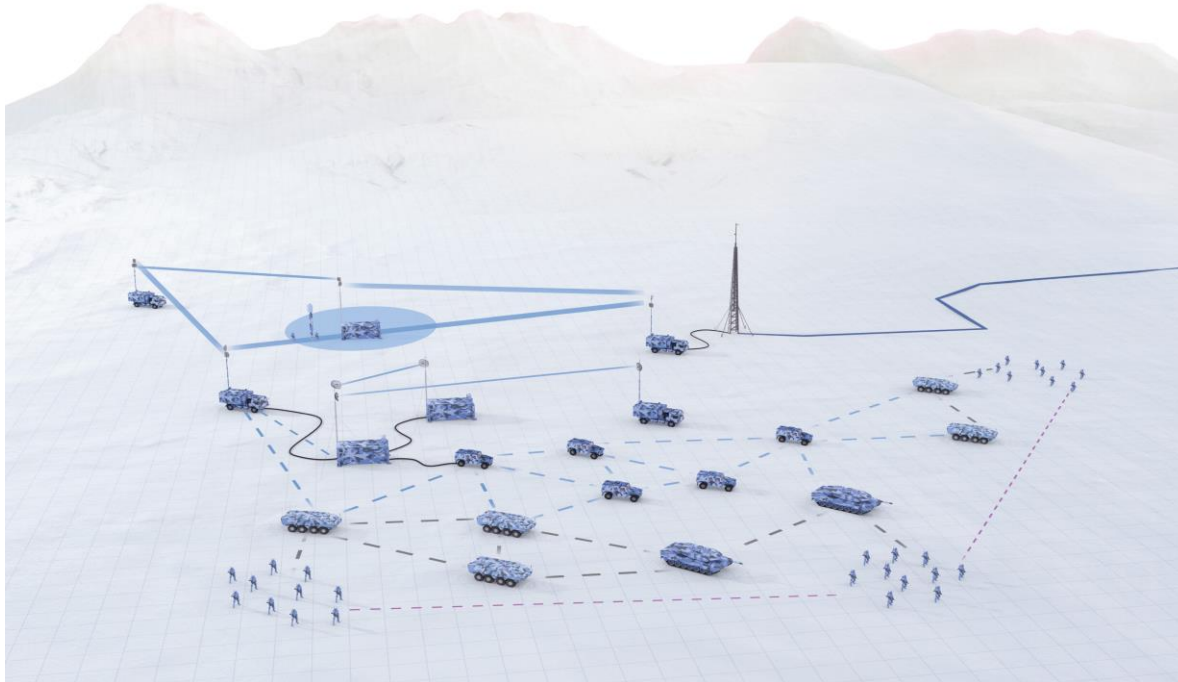
Multiple use cases



## Ultra Secure Mobile Communications

- Bittium Tough Mobile 2 devices are designed and built for CONFIDENTIAL level security requirements.
- For government agencies and authorities, enabling integration and certification of governmental services.
- Bittium Secure Suite™ for remote management of the device fleet, protects sensitive data at rest on the smartphone, as well as encrypted IP-based data transfer.
- Security settings and other parameters can be configured to meet the individual security needs of different organizations.
- Available as a platform for partners with their own cyber security applications and solutions.

# Connectivity to be trusted.



## Tactical Communications Across the Battlefield



### **Bittium Tactical Wireless IP Network™**

Broadband wireless IP backbone network with high mobility for battle groups



### **Bittium Tough SDR™ product family**

Next generation tactical radios for vehicles and dismounted soldiers



### **Bittium Tough Mobile™ 2**

Ultra secure mobile communications together with back-end system, including e.g. VPN, MDM, application management



### **Bittium Tough Comnode™**

Versatile device for tactical IP networking and communications



### **Bittium Tough VoIP™ product family**

Tactical VoIP calls, service and broadband data transfer in demanding conditions



# Abgessener Soldat – die Kombination ist wichtig



Intelligent Cardiac Monitoring.

## Bittium Faros™

Small.  
Light-weight.  
Waterproof.

18 grams  
48 x 29 x 13 mm

**Bittium**

Contact us | [www.bittium.com](http://www.bittium.com)