

requitech 

**AT THE FOREFRONT OF
COMMUNICATIONS TECHNOLOGY**

www.ReQuTech.com

About us

ReQuTech AB was founded in 2009 by engineers from Sony Ericsson and Saab Aerospace we had 3 words that would not only shape the name of the company but lead us towards becoming a major global player within the GEO, LEO and MEO industry. These 3 words are REsearch, QUality and TECHnology= ReQuTech.

This is the foundation of our whole operation. We are combining high-end research with a top-notch quality production, resulting in cutting edge technology that puts ReQuTech at the forefront of SATCOM Communications.

We are a subsidiary to the Swedish company Qamcom Research and Technology. Qamcom is a leading technology consultancy with competence in hardware, software and system development. Our main office is situated in Sweden's aviation and space capital Linköping.

Local capabilities include:

- Flight technology: the Swedish Jet Fighter Aircraft developed by Saab
- IT: One of Ericsson's major development sites, Linköping University
- Medical technology: Internal visualization and image analysis Saab, Sectra, University hospital
- Environmental engineering: one of Europe's largest solar power plants

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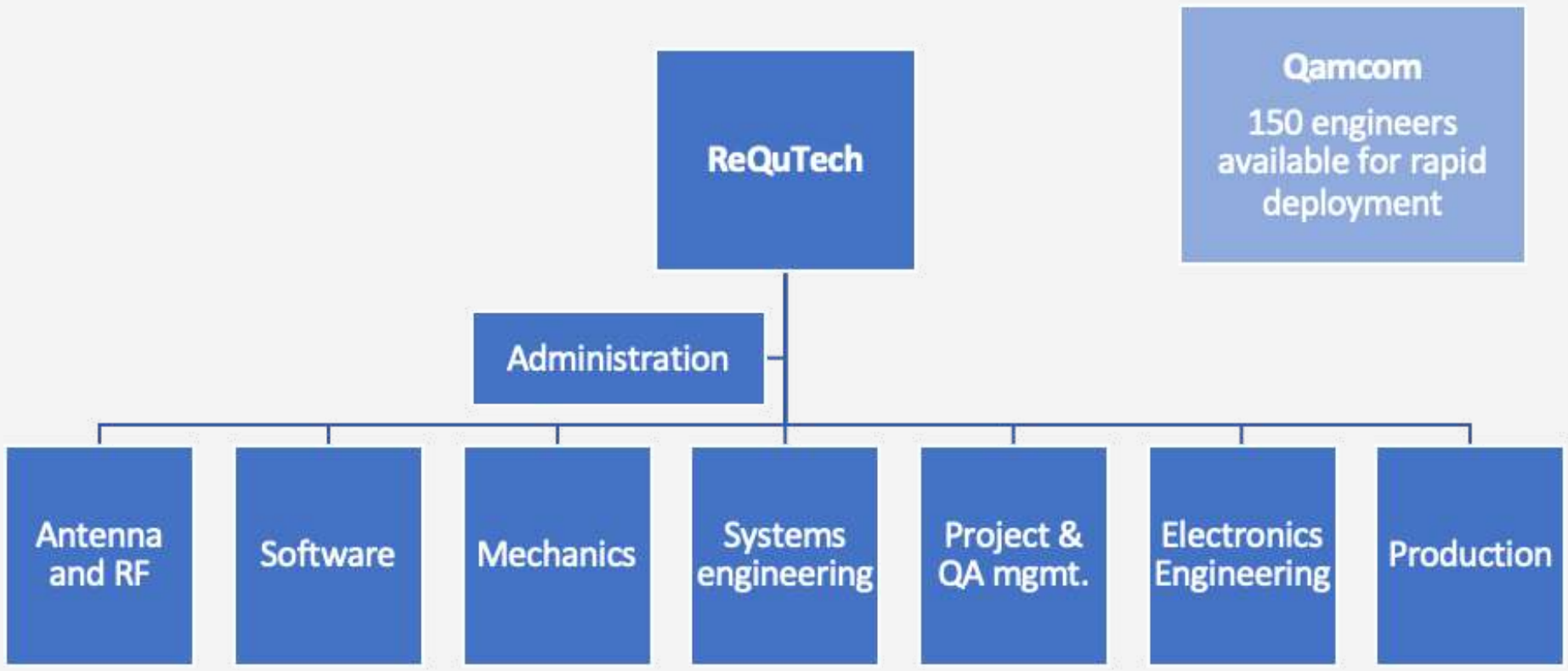
c/o Qamcom

Gothenburg Falkenbergsgatan 3412 85

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ReQuTech has a highly skilled and crossfunctional workforce



Employees
30

Share of Employees with PhD
50%

Share of Employees with M.Sc.
50%



Cutting edge antenna technology.

Products



Customers



Partners



Production Capability

Partnered with Scanfil Åtvidaberg Sweden as main production facility

- 20,000 m²
- Approx. 300 personnel
- Systems Integration of modules and complete products
- Logistics and Distribution Services
- ISO 9001, 14001, 13485, 45001
- QSR, FDA listed manufacturer

Scanfil Group

- Global Coverage with 9 factories in 3 continents
- 2022 revenue: €844M
- Scanfil has over 45 years of experience from demanding customer-driven manufacturing. From appliances to defense production.

Ramp-Up Capability:

- 6 – 8 months from receipt of funding
- Logistics and production already set up and agreements in place



ReQuTech Electronically Scanned Antennas



Modular design

- Same production setup for many products
- Low unit prices
- Quick product development cycle



Mesh functionality

- Several terminals talk to each other to optimize performance
- Makes the system less expensive
- Patent pending



Antenna design

- Mil grade solution
- Applicable for maritime, land and flight
- Antenna tech verified by European Space agency

RESA Terminals

KEY FEATURES

- Fully integrated satellite terminal.
- Electronically scanned pointing and tracking.
- Mesh networking of several devices supported.
- Ku frequency band.
- Modem integrated for internal or external installation.
- Ruggedized design for maritime operation.
- ITU-R S.465 compliant patterns.
- Integrated antenna control unit with full sensor kit including beacon receiver, GPS, IMU.
- Operational temperature range -20 to +55 C / -58 to +130 F.



RESA M Ku

- OneWeb / Intelsat / Eutelsat compatible
- Electronically controlled polarization
- Linear or circular polarization
- GEO or LEO compatible
- SOTM or SOTP

RESA OneWeb

- Electronically controlled polarization
- Circular polarization
- GEO or LEO compatible
- SOTM or SOTP

SATCOM ON THE MOVE TERMINALS

RESA S Ku and Ka

Manual or autopointing portable satcom antenna terminal is designed as compact and robust carbon fiber for X, Ku and Ka-band operations. The system comprises of Antenna system, Antenna Control Unit (ACU) and casing.

RESA M Ku

Manual and motorized antenna terminal is designed as compact and robust carbon fiber X, Ku and Ka-band manpack. The system comprises of Antenna system, control unit and casing.

RESA M Ka

Autopointing portable satcom antenna terminal, designed as compact and robust carbon fiber for X, Ku and Ka-band operations. This multi orbit, 1.2 m integrated portable fly-away terminal is made with a state-of-the-art composite reflector and extremely strong and stiff feed arm able to carry some of the heaviest BUCs.

RESA S Ku and Ka

Requitech Electronically Scanned Antenna – fully integrated satellite terminal.

The RESA S is a fully integrated phased array flat panel antenna terminal suitable for Satcom-On-The-Move LEO/MEO/GEO communication. Designed as a lightweight member of the RESA family of flat panel satellite terminals, RESA S can be used as a stand-alone product or used in a mesh configuration with several RESA terminals.

Other members of the RESA family include fully integrated terminals for Land-based, Marine and Airborne communications solutions with radomes tailored to each application.

KEY FEATURES

- **Fully integrated satellite terminal.**
- **Electronically scanned pointing and tracking.**
- **Mesh networking of several devices supported.**
- **Ku frequency band.**
- **Modem integrated for internal or external installation.**
- **Ruggedized design for maritime operation.**
- **ITU-R S.465 compliant patterns.**
- **Integrated antenna control unit with full sensor kit: beacon receiver, GPS, IMU.**
- **Operational temperature range -20 to +55 C / -58 to +130 F.**



RESA M Ku

Requtech Electronically Scanned Antenna – fully integrated satellite terminal.

RESA M is a fully integrated phased array flat panel antenna terminal suitable for Satcom-On-The-Move over LEO/MEO/GEO constellations. Designed with an increased transmit capability over RESA S, this member of the RESA family of flat panel satellite terminals, can be used as a stand-alone product or used in a mesh configuration with several RESA terminals. This configuration is suitable for ManPack or Vehicle Mount applications.

Other members of the RESA family include fully integrated terminals for Land-based, Marine and Airborne communications solutions with radomes tailored to each application.

KEY FEATURES

- **Fully integrated satellite terminal.**
- **Electronically scanned pointing and tracking.**
- **Mesh networking of several devices supported.**
- **Ku frequency band.**
- **Modem integrated for internal or external installation.**
- **Ruggedized design for maritime operation.**
- **ITU-R S.465 compliant patterns.**
- **Integrated antenna control unit with full sensor kit including beacon receiver, GPS, IMU.**
- **Operational temperature range -20 to +55 C / -58 to +130 F.**



RESA M Ka

Requtech Electronically Scanned Antenna – fully integrated satellite terminal.

RESA M is a fully integrated phased array flat panel antenna terminal suitable for Satcom-On-The-Move over LEO/MEO/GEO constellations. Designed with an increased transmit capability over RESA S, this member of the RESA family of flat panel satellite terminals, can be used as a stand-alone product or used in a mesh configuration with several RESA terminals. This configuration is suitable for ManPack or Vehicle Mount applications.

Other members of the RESA family include fully integrated terminals for Land-based, Marine and Airborne communications solutions with radomes tailored to each application.

KEY FEATURES

- **Fully integrated satellite terminal.**
- **Electronically scanned pointing and tracking.**
- **Mesh networking of several devices supported.**
- **Ka band for LEO/MEO/GEO operation.**
- **Modem integrated for internal or external installation.**
- **Ruggedized design for maritime operation.**
- **ITU-R S.465 compliant patterns.**
- **Integrated antenna control unit with full sensor kit including beacon receiver, GPS, IMU.**
- **Operational temperature range -20 to +55 C / -58 to +130 F.**



Flyaway and parabolic Terminals

PICO 120M

Manually pointed and portable 1.2m antenna terminal is designed as a compact and robust carbon fiber manpack terminal for X, Ku and Ka-band. The system comprises of Antenna system, Antenna Control Unit (ACU), ReQuTech assisted pointing unit (RAPU) and transport cases.

PICO 120A MEO, GEO

Autopointing portable satcom antenna terminal, designed as a compact and robust carbon fiber terminal for X, Ku and Ka-band operations. This multi orbit, 1.2 m integrated portable fly-away terminal is made with a state of the art composite reflector and extremely strong and stiff feed arm able to carry some of the heaviest BUCs. Also designed for use in pairs over the SES O3b mPOWER constellation.

PICO 240M and PICO 240A

This 2.4 m integrated portable fly-away terminal is made of state-of-the-art composite reflector and extremely strong and stiff feed arm. The system is compliant with international standards and has interchangeable multi-band feed systems for fast switching of frequency bands: C, X, Ku and Ka.

Tropoline 240

This 2.4m fully automated motorized troposcatter and line-of-sight (LOS) flyaway terminal is made of state of the art composite segmented light weight reflector and military grade pneumatic mast with a quadpod base for high stability.

PICO 120M

Manually pointed antenna is designed as a compact and robust carbon fiber terminal for X, Ku and Ka-band manpack. The system comprises of Antenna control unit (ACU) and transport cases. The system comes with our ReQuTech Assisted Pointing Unit (RAPU) and sensors with Ethernet or WLAN connection to PC or to tablet for quick pointing and satellite acquisition.

The antenna RF system is provided with feed transmit and receive filters, polarizer, OMT and related microwave parts. The system is compliant with ITU-R S.465 and EUTELSAT ESOG120 standard.

The system has achieved Eutelsat Characterization for Ku band.

KEY FEATURES

- **Fully integrated manpack**
- **Robust carbon fiber antenna system**
- **Feeds for X, Ku, Ka-bands are available**
- **Android Mercury App for quick satellite acquisition**
- **Delivered in one single case for single band operation**
- **Eutelsat and ITU-R S.465 compliant**
- **Can be automated with add on motorization solution**



PICO 120A MEO, GEO

This multi orbit autopointing, 1.2 m integrated portable fly-away terminal is made with a state of the art composite reflector and extremely strong and stiff feed arm able to carry some of the heaviest BUCs.

The system is compliant with international standards and has interchangeable feed systems for fast switching of frequency bands: X, Ku and Ka.

For MEO operation the terminals are provided in pairs and incorporate satellite tracking and handover between terminals for 24/7 use over the SES O3b mPOWER constellation.

KEY FEATURES

- **1.2 m segmented carbon fiber reflector**
- **MEO compliant and tested on SES mPower**
- **Fully integrated auto-point fly-away terminal**
- **RAPU: ACU, Beacon receiver, monitor and control, sensor kit module**
- **Android Mercury App for quick satellite acquisition**
- **High performance interchangeable feeds for X, Ku and Ka bands**
- **Highly robust construction and toolless deployment**
- **Eutelsat and ITU-R S.465 compliant**
- **Delivered in robust packing cases**



PICO 240M and PICO 240A

2.4m SATCOM terminal is designed as a robust C, X, Ku and Ka-band flyaway.

The PICO 240 manual system comprises our ReQuTech Assisted Pointing Unit (RAPU) and sensors with Ethernet or WLAN connection to PC or to tablet for quick pointing and satellite acquisition.

Both the manual and automatic systems are designed to handle the toughest weather and wind conditions.

The antenna RF system is provided with feed chain filters, polarizer and related microwave parts.

The system is compliant with ITU-R S.465 and EUTELSAT ESOG120 standard.

KEY FEATURES

- **2.4 m segmented carbon fiber reflector**
- **Fully integrated manually or auto pointed fly-away terminal**
- **RAPU Sensor Kit Module**
- **Android Mercury App for quick satellite acquisition**
- **High performance interchangeable feeds for X, Ku and Ka bands**
- **Highly robust construction and toolless deployment**
- **Zero Backlash Sealed Azimuth and Elevation Motors (auto)**
- **Eutelsat and ITU-R S.465 compliant**
- **Delivered in robust packing cases**



Tropoline 240

The Tropoline 240 auto-point troposcatter terminal is designed as a robust, light-weight and easy to use Flyaway for C-band communication over long distances. This 2.4m fully automated motorized troposcatter and line-of-sight (LOS) flyaway terminal is made of state-of-the-art composite segmented light weight reflector and military grade pneumatic mast with a quadpod base for high stability. The system comes complete with hand pump for easy deployment of the mast and extension to 3m to clear obstacles. The center-fed architecture reduces antenna signal blockage leading to increased antenna efficiency. Its highly robust design allows it to operate safely in steady winds of 80kph and gusts of 108kph when properly deployed and guyed.

KEY FEATURES

- **2.4m Segmented Carbon Fiber Reflector**
- **Fully integrated motorized antenna**
- **Antenna Control Unit (ACU) including Orientation Sensors**
- **High Performance feed for C-band Troposcatter applications 4.4 - 5.0 GHz**
- **Pointing accuracy ± 0.2 degrees**
- **Military Grade Light Weight Aluminium Pneumatic Mast with hand pump extendable to 3m**
- **Two operators can mount the antenna typically in 50 minutes**
- **Field tested**



Made by Sweden: Reliability and Innovation in Challenging Environments

Sweden's rugged landscapes and unpredictable weather have served as a catalyst for the development of exceptional products that excel in demanding outdoor settings. With a focus on quality craftsmanship, durability, and innovation, "Made by Sweden" has become synonymous with reliability and resilience, particularly when it comes to withstanding the harsh Scandinavian weather.

The Swedish commitment to quality craftsmanship and innovation, combined with a deep understanding of the demands of their environment, ensures that products from global leaders like Ericsson, Saab and Volvo not only endure but also outperform in challenging conditions. The same commitment is obliged to everything we do at ReQuTech.

In summary, "Made by Sweden" represents our commitment to the Swedish heritage of innovation, reliability, and adaptability. ReQuTech's products are designed for challenging outdoor settings and demonstrate exceptional performance and resilience. Furthermore we leverage collaborations and partnerships to stay at the forefront of technological advancements. Our terminals not only ensure rugged durability but also enable seamless communication in the face of evolving challenges.

requtech 
Is **MADE BY SWEDEN**

requitech 

AT THE FOREFRONT OF COMMUNICATIONS TECHNOLOGY

**Your provider of fully integrated terminal solutions
for LEO, MEO, GEO and Troposcatter**

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