

EXPRESS-AM44 — 11° West

High-Power Satellite Capacity & Universal VSAT Hardware Package

The new broadcasting and communications Express-AM44 satellite produced by NPO PM and Thales Alenia Space was deployed at 11° West in February 2009.

Equipped with payload operating in C, Ku and L bands, Express-AM44 features two high-power Ku-band spot beams that provide uniform coverage of Europe and the Middle East and enable high-quality video, voice and data services throughout the EMEA region.

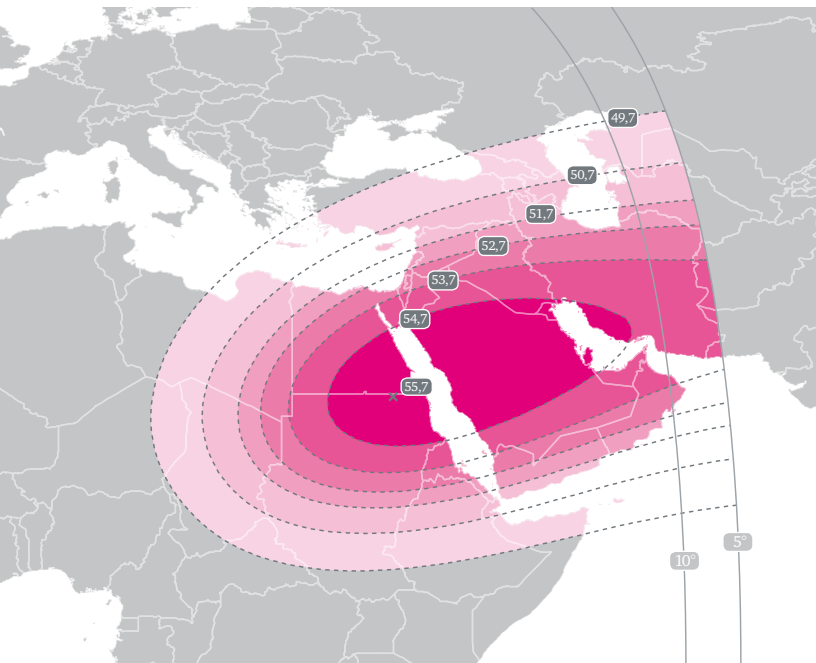
EXPRESS-AM44 Key Benefits

- Newest satellite to serve EU&MENA with customized high-power spot beams
- Cross-connection between the European and the Middle Eastern beams
- Designed both for DTV and VSAT

EXPRESS-AM44 Coverage Areas

EIRP contours, dBW

Spot 2 (Middle East)



Romantis at a Glance

Romantis GmbH is a fast-growing European provider of satellite capacity, hardware and support services and is part of the Romantis Group of companies offering worldwide satellite communications via its subsidiaries and affiliates network.

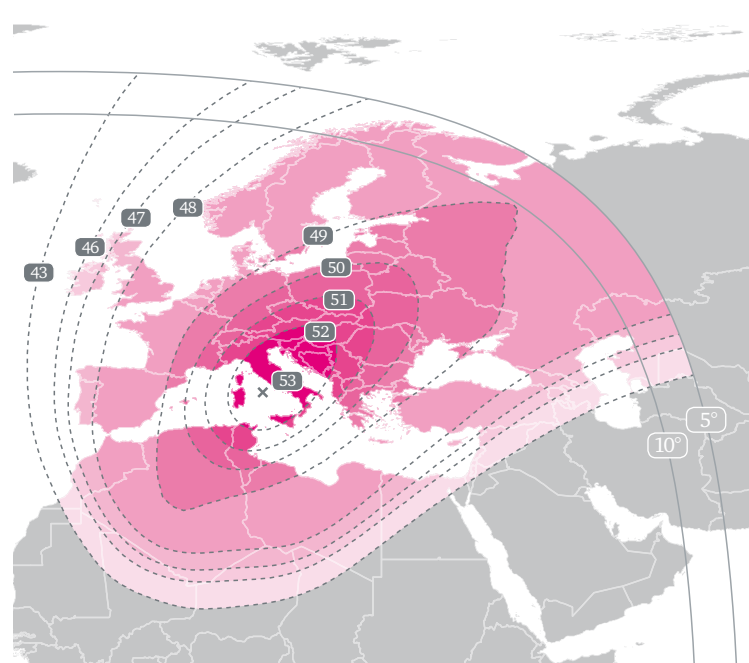
Our focus is on EMEA and the CIS customers in a variety of market segments: telecom, corporate, broadcasting. Our vision is to provide clients with high-quality customized communications packages based on the diversified range of satellite resources and innovative hardware products.

Being a universal satellite capacity trader Romantis leases full time satellite capacity directly from major space segment providers and enjoys well established relations with the North American, European and Russian satellite operators. Romantis operates over 10 transponders on 5 satellites and offers flexible space segment lease options that include: long-term lease of capacities, occasional use and bandwidth sharing.

In respect to hardware Romantis is the EMEA vendor for the novel EASTAR™ VSAT platform — the industry's first satellite router that can be used within networks of any topology and size either as a HUB or a Remote depending on the activated software.

Featuring the most advanced satellite technology for audio, video and data transmission services, Romantis brings together solid experience, impressive facilities and all the creativity needed for today's rapidly changing technology and marketplace.

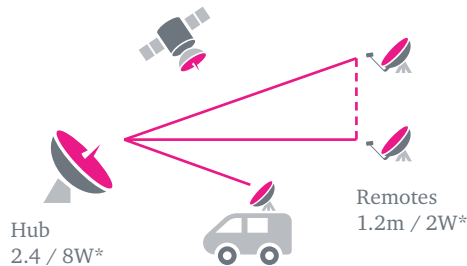
Spot 1 (Europe)



Express satellite solutions

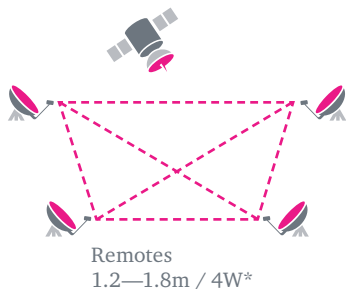
Under the cooperation agreement with the Russian state satellite operator RSCC, Romantis GmbH offers the customized package combining the new IP based unified satellite communication hardware platform (EASTAR™ UHP-1000), produced by Romantis and satellite capacity on Express-AM44 satellite. Such packages include “turn-key” solutions for corporate networks, broadband access, GSM backhaul and etc.

Enterprise & Governmental



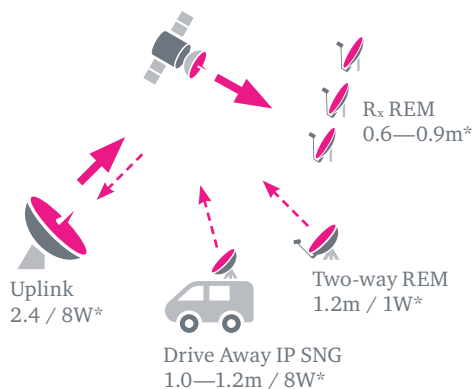
- Managed Networks
- Distance Learning
- Retail/Lotteries
- Coms on the Move

Telecom & Consumers



- Broadband Access
- Dedicated Lines
- Redundancy Networks
- GSM/WiMAX backhaul

Media & Broadcast



- IP SNG drive-away
- IPTV Distribution
- Data Broadcasting
- Triple-play Networks

* Typical sizes, subject to link budget calculations

Powered by: EASTAR™ VSAT Platform



- Universal ALL-IP device for any level of network hierarchy and different applications
- Various modes of operation: SCPC, TDM/SCPC, TDM/TDMA, TDMA-mesh
- Any topologies with migration ability: “point-to-point”, “star”, “hybrid”, “mesh”
- First VSAT technology with bandwidth-friendly LDPC coding in the return TDMA channel
- Innovative TDMA protocol with proven efficiency of 97% in comparison with SCPC channels
- Ultra-low latency VSAT system with round-trip delay about 570 ms for TDMA mode of operations
- Support of VLAN, multi-level QoS, codec-independent handling of real-time traffic
- Built-in adoptive 500-channel traffic manager specially designed for VSAT applications
- Fast network startup — network is ready for use in 30 seconds upon power-up
- Web-based Network Management System allowing operating the network from everywhere
- Compatible with majority of C-, Ku- and Ka-band RF systems, supplies power and reference signals
- Easy-to-install and easy-to-operate hardware, user-friendly software configuration
- Affordable hardware with low operating expenses ensures the best cost of ownership

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