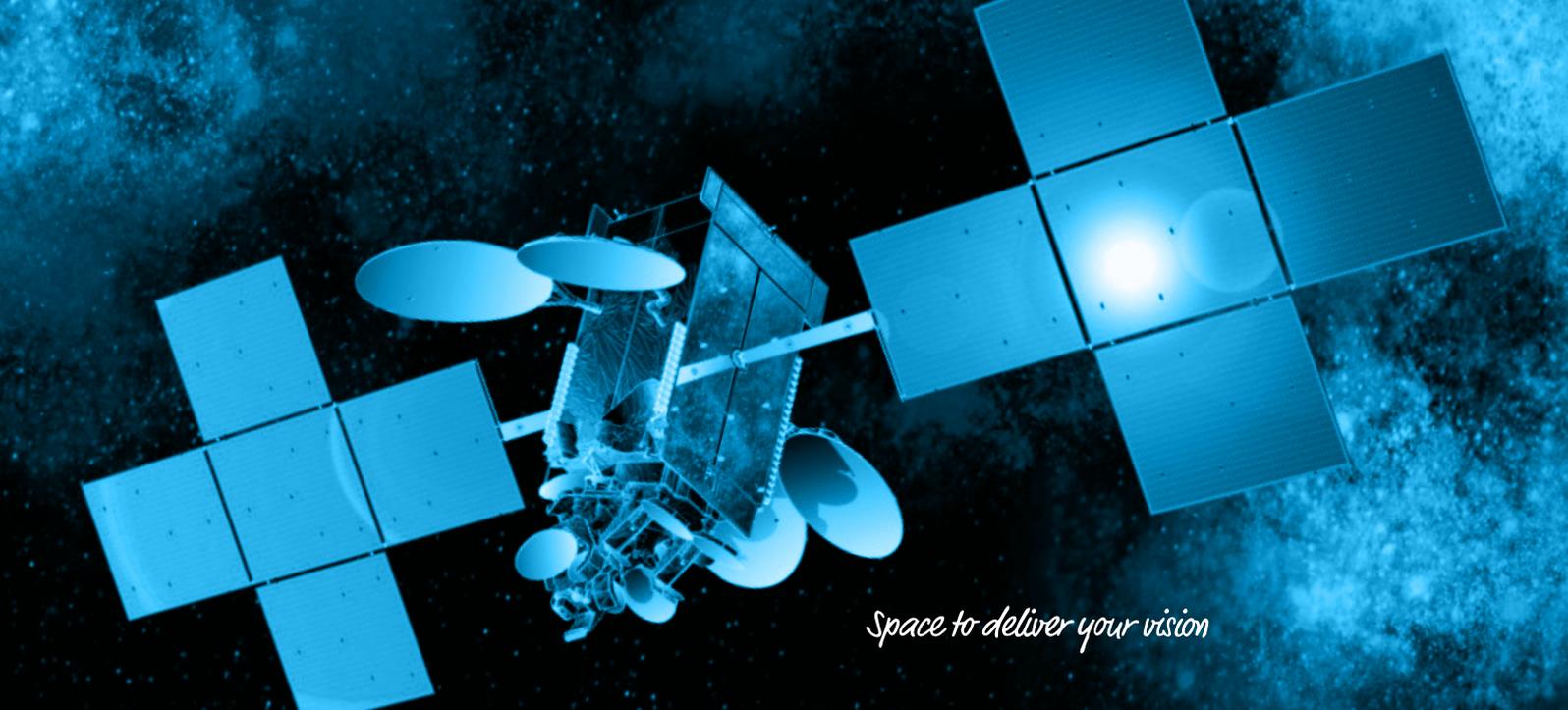


Space to deliver your vision

COMPANY PROFILE



Space to deliver your vision

OVERVIEW

ABOUT US

Es'hailSat, the Qatar Satellite Company, is a communications satellite operator headquartered in Doha, Qatar. Es'hailSat was established in 2010 to deliver services to broadcasters, enterprises and governments in the MENA (Middle East and North Africa) region and beyond.

With the goal to become a world class satellite operator and the foremost satellite services provider in the MENA region, Es'hailSat launched its first satellite, Es'hail-1 in 2013 and positioned it at 25.5°E orbital spot. Es'hail-1 started commercial operations with the region's best known and premier media networks, beIN Sports and Al Jazeera Media Network. Es'hail-2, the company's second satellite is expected to be launched in 2018 and will be located at 26° E orbital position.

Having both Ku-band and Ka-band payload on satellites co-located at 25.5°E / 26°E broadcast hotspot enables Es'hailSat to provide the region with the most advanced and sophisticated services including broadcast, telecommunications and broadband. Es'hailSat's expansion plan will continue with newer state-of-the-art satellites in other prime orbital locations around the globe, offering customers the most flexible and reliable services. Es'hailSat is adopting the concept of "world-wide footprints" through partnerships with leading regional and international satellite operators around the globe.

VISION

Es'hailSat aims to be a world class satellite operator who effectively contributes to the success of Qatar's National Vision 2030 by adding a new dimension to the diversifying economy.

MISSION

Es'hailSat will provide advanced satellite services to strategic stakeholders and commercial customers, who value broadcasting and communications independence, quality of service and wide geographical coverage.



PRODUCTS & SERVICES

Leveraging the high powered satellites located at the broadcast hotspot of MENA, and the new high-tech teleport located in the north of Doha, Es'hailSat provides customers a wide range of products and services to cater for their business needs, such as:

DIRECT TO HOME

Broadcasters can use Es'hailSat's high powered Ku-band payload to provide consumers with high quality services such as linear TV, video on demand, high definition TV and 4K TV. 25.5°E / 26.0°E neighborhood allows viewers to tune their receivers to Es'hail-1 now and Es'hail-2 in future, without the need to change or repoint their existing dishes to enjoy premium content.

VIDEO PLAYOUT

Using our new high-tech teleport and established partners within the region, Es'hailSat provides video playout, compression, encryption, uplink and distribution services. We also provide cloud based playout, web-based live video transfer, file transfer, among other broadcast related services.

DIGITAL SATELLITE NEWS GATHERING

Es'hailSat provides DSNG services to connect remote venues to TV studios for live news, sports and other events instantaneously and without the need for terrestrial links.

VSAT NETWORKS

Es'hailSat offers a variety of VSAT services to support customer's most demanding needs, whether it is an end user, small business or multi-national corporation. Complementing our satellite and teleport solutions is our strategic partnership with major telecommunication providers for MPLS and IP backbone to provide managed bandwidth services.

SUPERIOR CUSTOMER SUPPORT

Our Capacity Management Center (CMC), manned by a team of highly trained engineers, provides dedicated 24/7 support to all the customers on Es'hailSat satellites. CMC has incorporated the latest and most advanced automated monitoring and control systems to carry out monitoring of services on the satellites in RF, baseband and transport stream levels. Additional layer of visual monitoring enables quick rectification of problems, hence maintaining high availability of service on our satellites.

Other services supported by Es'hailSat include cellular backhaul, mobility, co-location, disaster recovery, and other value added services.



Es'hail-1

Es'hail-1 located at 25.5°E carries Ku-band and Ka-band payload, and supports broadcast, telecommunications and governments services.

Using this hotspot and the 25.5°E / 26.0°E neighborhood, allows broadcast viewers to tune their receivers to Es'hail-1 now and Es'hail-2 in future, without the need to change or repoint their existing dishes and enjoy premium content in true HD format. With the state-of-the-art technology on Es'hail-1, viewers can enjoy the most reliable services on Ku-band with built in redundancies and protection from interference.

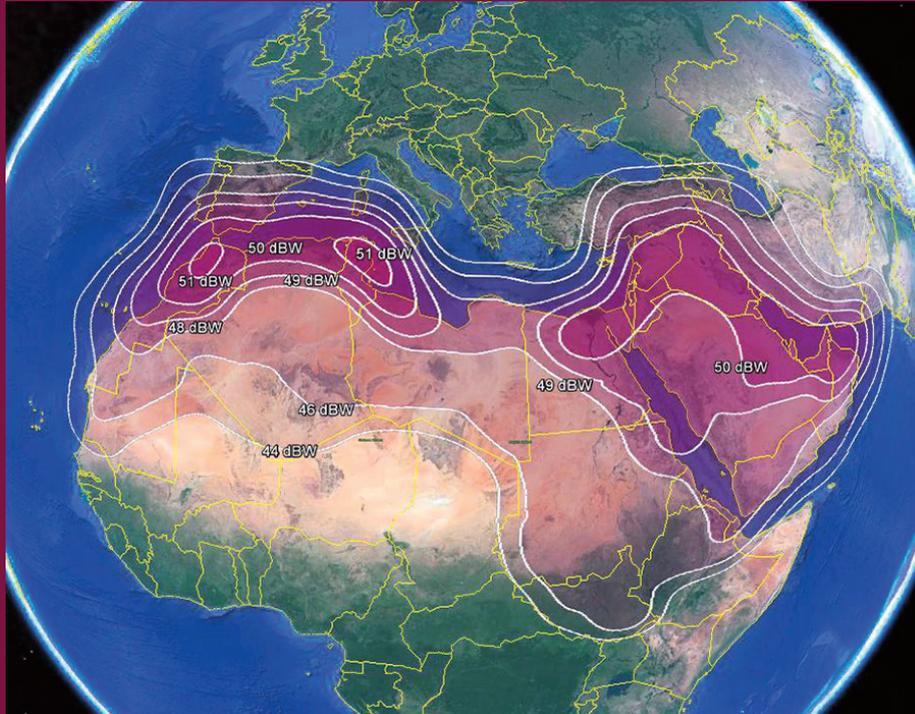
Es'hail-1 also carries multi-transponder Ka-band payload that can support users requiring coverage across the whole MENA region, making it possible to rapidly establish secure and dedicated telecommunication services including broadband internet access, corporate networks, backhauling and mission critical services using fixed or mobile antennas.

Ka-band transponders on Es'hail-1 can accommodate data rates over 300 Mbps, allowing for solutions in both broadband and trunking.

With a beam covering Qatar and the surrounding area and a steerable beam that can be located anywhere on the visible earth from the 25.5°E orbital position, two-way trunking links can quickly be established from locations such as London, Moscow, Madagascar, Rio de Janeiro, Kabul, Mumbai, Johannesburg, Reykjavik, and even China.

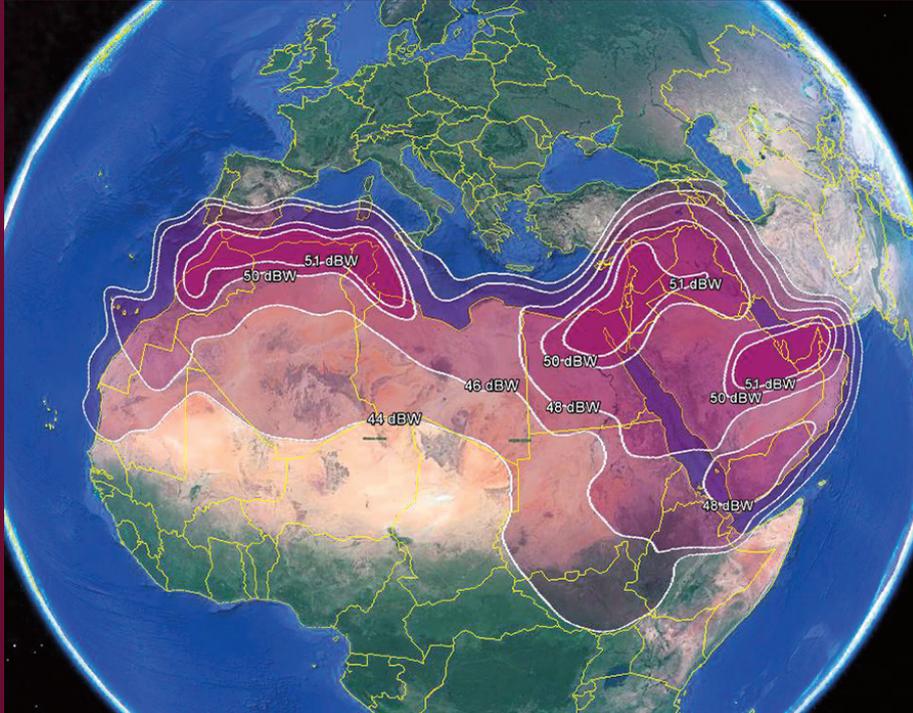
Es'hail-1

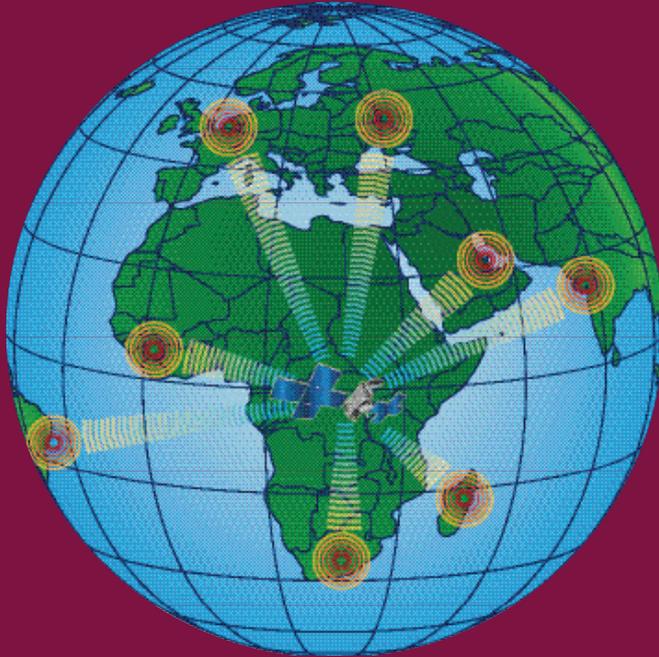
KU-BAND COVERAGE - MENA Region Downlink



Es'hail-1

KA-BAND COVERAGE - MENA Region Downlink





ILLUSTRATIVE VIEW
OF THE EARTH FROM
25.5°E
ORBITAL LOCATION

Es'hail-2

Es'hail-1 will soon be followed by Es'hail-2, a powerful multi-band satellite providing an expanded mission and superior coverage across the Middle East.

The Es'hail-2 satellite is based on the Mitsubishi Electric (MELCO) DS 2000 satellite bus, a proven, modular platform with high power capability and flexibility for a broad range of applications.

In addition to offering Ku-band resources to support the growing 25.5°E / 26.0°E broadcast neighborhood, Es'hail-2 will also feature multi-transponder Ka-band capacity providing business and government sectors with secure communications across the MENA region and the visible earth using steerable spot beams.

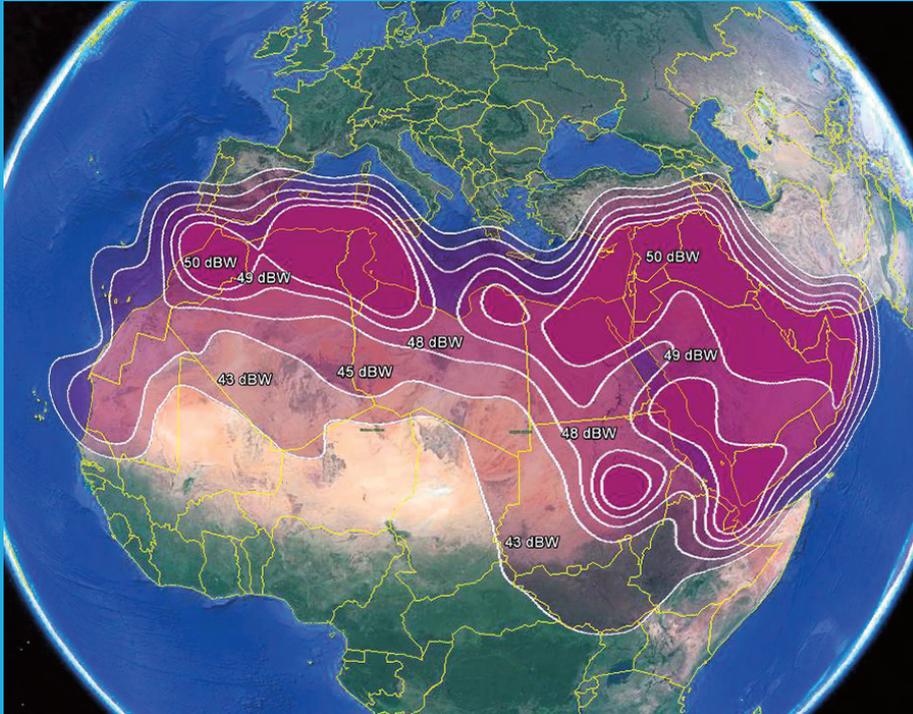
Es'hail-2 will also feature a number of Ka and Ku band transponders with both steerable and fixed spot beams opening up new frontiers for businesses in Qatar and the region. In partnership with leading service providers, Es'hailSat will offer a portfolio of Broadcast and VSAT services to support business growth.

The spacecraft's multi-mission architecture will enable Es'hailSat to respond to demand for the fastest-growing applications in the Middle East and North Africa, including content transfer, broadcast distribution, enterprise communications and government services.

The satellite will also provide greater capability for anti-jamming protection and redundancy and back-up for Es'hail-1.

Es'hail-2

KU-BAND COVERAGE - MENA Region Downlink



Es'hail-2

K-BAND COVERAGE - *Uplink Spot Beam*



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