

Space to deliver your vision

COMPANY PROFILE



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OVERVIEW

ABOUT US

Es'hailSat 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 was launched in 2018 and entered commercial operations in early 2019 and is 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

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

To 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 state of the art 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:

Content Distribution:

Broadcasters can use Es'hailSat's high powered Ku-band payload to provide consumers with high quality services such as Direct-to-Home (DTH) 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 and Es'hail-2, without the need to change or repoint their existing dishes to enjoy premium content.

Occasional Use:

Live sports, news and entertainment shows are big drawcards for broadcasters, who can rely on Es'hailSat satellites to transmit these contents quickly and reliably to reach the consumers, as it happens. In addition to live television content, Es'hailSat satellite can provide disaster recovery and connectivity support during unexpected events or disasters.

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.

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.

Mobile Connectivity:

Smartphones and tablets have changed our lives dramatically, and demand for mobile communications are extremely high. Es'hailSat offers mobile connectivity for land and maritime applications to cater for requirements from various verticals.

Teleport

With its state-of-the-art technology and design, Es'hailSat teleport has the capability to meet customer demands by being able to provide improved communication services and video contribution/distribution networks.

In addition, Es'hailSat Teleport can provide backup facilities, hosting services, and disaster recovery owing to its geographical diverse location, and can contribute as a data center.

Superior Customer Support:

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.



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 and Es'hail-2, 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.

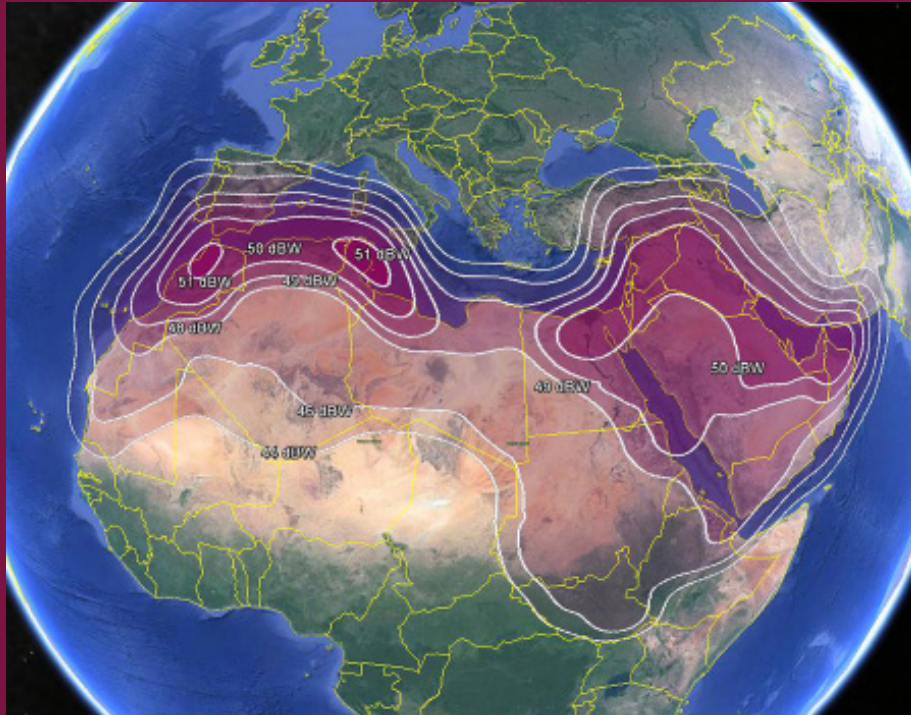
Es'hail-1 also carries multi-transponder Ka-band payload that can support users requiring coverage across the whole MENA region, making it possible to rapidly establish secure and dedicated telecommunication services including broadband internet access, corporate networks, backhauling and mission critical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

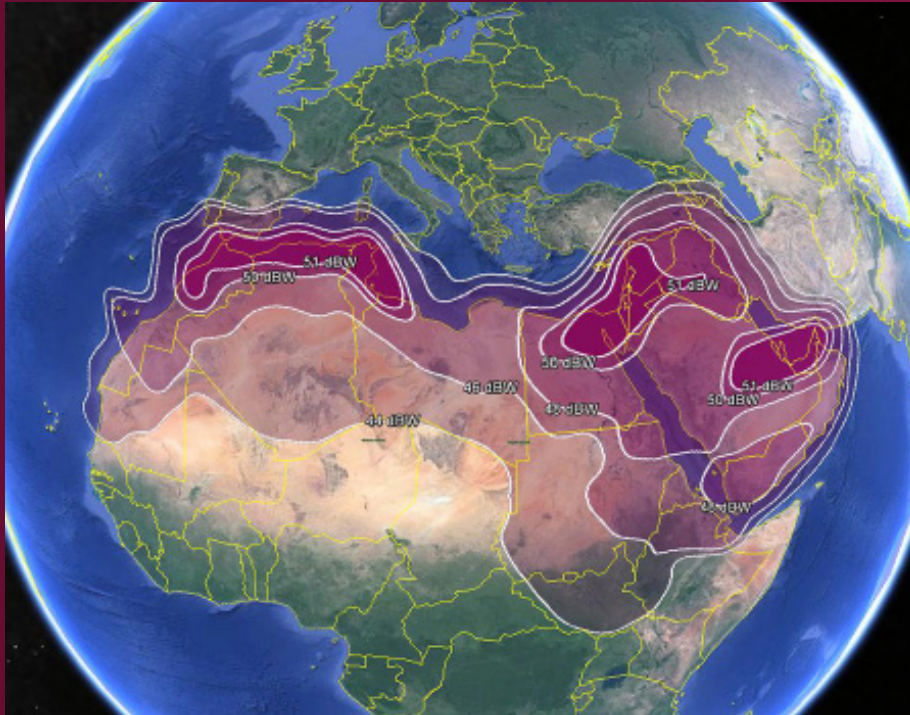
Es'hail-1

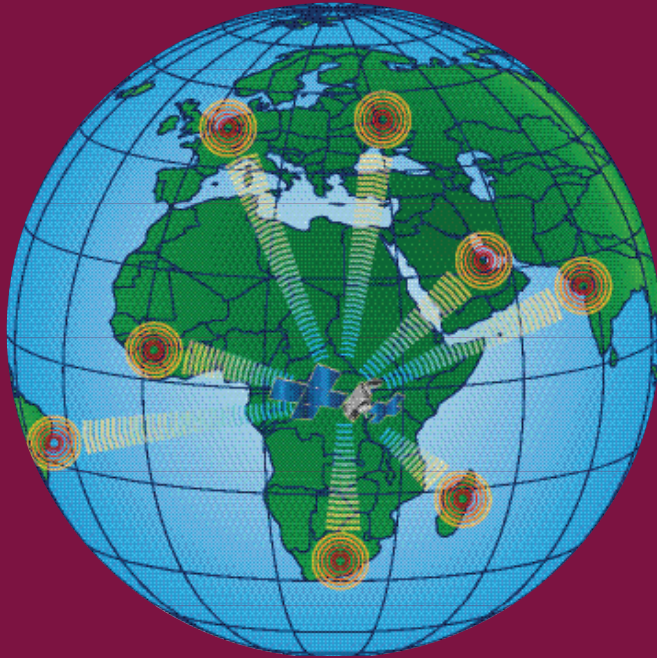
Ku-Band Coverage (*MENA Region Downlink*)



Es'hail-1

Ka-Band Coverage (*MENA Region Downlink*)





ILLUSTRATIVE VIEW
OF THE EARTH FROM
25.5°E / 26°E
ORBITAL LOCATION

Es'hail-2

Es'hail-2 is 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 also features 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.

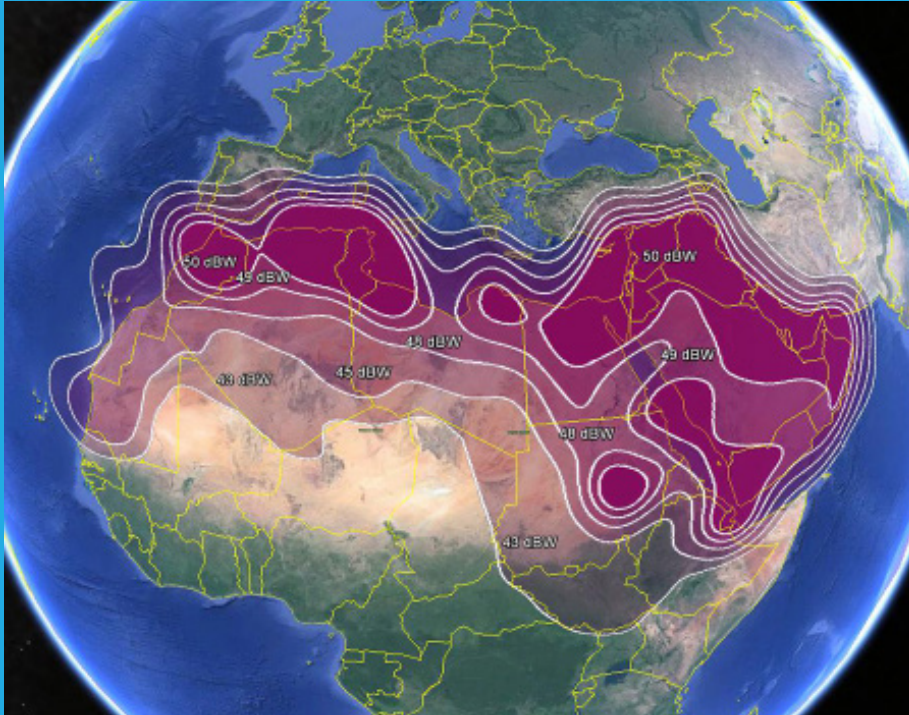
Es'hail-2 features a number of Ka and Ku band transponders with both steerable and fixed spot beams opening up new frontiers for businesses in Qatar and the region. In partnership with leading service providers, Es'hailSat can offer a portfolio of Broadcast and VSAT services to support business growth.

The spacecraft's multi-mission architecture enables 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 also provides 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

Ka-Band Coverage (*Spot Beam Uplink*)



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