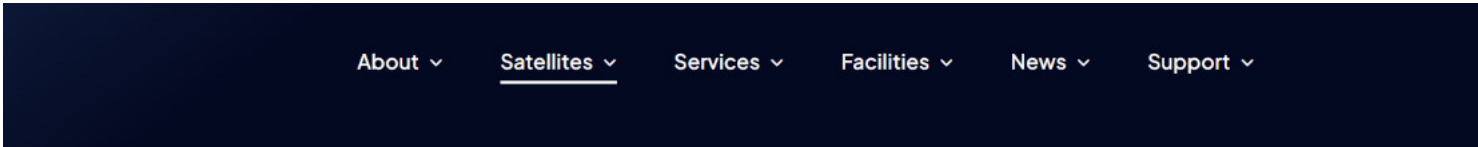


Web services

With over 15 years of our satellite footprints journey we have developed our skills with Google Maps API, OpenStreetMaps and custom tiles to browse satellite footprints and check the service coverage around the Globe.

We have also developed a number of tools for our customers providing their clients with the top industry experience in this area.

One of the latest works is Satellite fleet visualisation for ABS satellites:



Satellite Fleet

ABS-2 75°E

ABS-2 satellite at 75°E is co-located with ABS-2A, serves across Europe, the Middle East, Africa, Northern Asia, and Australia.

The satellite features six dedicated high-powered Ku-band beams for DTH services in the Eastern Hemisphere and offers multiple options for Ku-band connectivity. ABS-2 high-powered C-band beams are optimized for connectivity in Africa and Southeast Asia. Its Ka-band beam targets the MENA region and offers cost-effective solutions for commercial and military applications.

Satellite Coverage

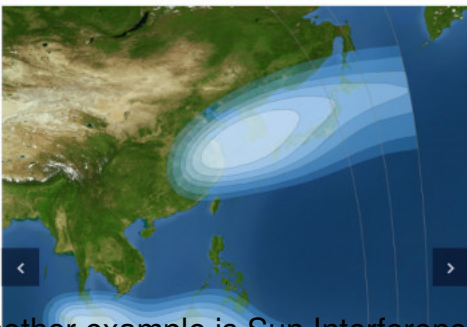
- Africa
- Australia
- Middle East
- Asia
- Europe

Offered Services

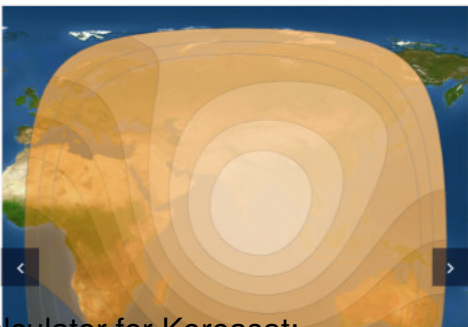
- Video
- Cellular Backhaul
- Government
- Data
- IP Trunking
- Enterprise
- Maritime



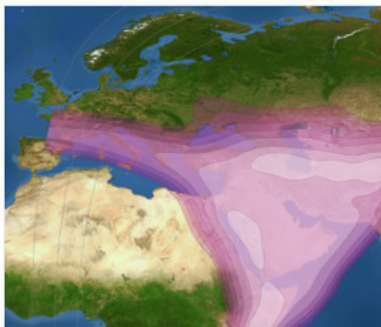
Ku-Band Beams



C-Band Beams



Ka-Band Beam



Another example is Sun Interference Calculator for Koreasat:

| Sun Interference Calculator

A **Sun outage**, **Sun transit**, or **Sun fade** is an interruption in or distortion of geostationary satellite signals caused by interference of the sun. When the sun falls directly behind a satellite from which an earth station is trying to receive data, it results in increased thermal noise in the receiving earth station and severely degrades the receiving signal.

Sun outages occur during spring and autumn, each occasion for a few consecutive days and each day for a short amount of time.

To check the sun outage date and time at your earth station, enter your location (zip code, latitude, longitude, or Google Maps location service) and select the satellite.

Your Location (ex. zip code, longitude, latitude)

Search By

☒ Latitude, Longitude ☐ Address, zip code

latitude

longitude

Satellite

KOREASAT 5

Antenna

Frequency Band ☒ C ☐ Ku

Antenna diameter, meters

0.6

Season

☒ Spring ☐ Fall

Year 2020

Mobile Application Development Services

As we specialise on Satellite Footprints we provide a broad number of software related services in the mobile apps area. Our leading software product is Satbeams [mobile application](#) .

We also offer custom software solutions to our clients basing on our experience in this area.

Here is a mobile application that we have developed for ABS Satellites:



Data Services

Over the past few years we have collected a lot of data about the SatCom coverage all over the world. We keep this data in KML format and our database has grown over 5000 files. We license raw KML data to our customers as well as provide multiple tools to work with it. We can also export data to other formats as well as provide hi-resolution images of satellite coverage.

We have built many tools to report on the data and visualise the results.

For example with our **SatClipper** tool we can provide reporting on what Bands/Operators/OrbitalPositions/Satellites and Beams cover specific Country, Region or any custom area of our planet with a few mouse clicks. As a result our customers can analyse and visualise the SatCom service availability in any Band and Region to provide fact-based information for decision making.

Another tool is **SatFlight** that analyses [FlightRadar24](#) KML route files. The tool allows to identify all the beams that cover specific flight (or several flights) and even identify the best beams to cover the entire service area of specific airline.



We can develop any custom tools to address our customer's needs!

Consulting Services

In addition to Satellite footprints we have a lot of data including the satellite frequency plans and beams utilisation.



we can help you with any questions you have regarding our services. If you have any questions, please contact us at info@satbeams.com or call us at 1-800-555-1234. We are here to help you with any questions you have regarding our services. If you have any questions, please contact us at info@satbeams.com or call us at 1-800-555-1234.