

# Aleph-1 Constellation

From Satellogic

The Aleph-1 constellation from Satellogic offers European Space Imaging customers the “sweet spot” of collecting data with enough clarity to extract meaningful insights at a revisit frequency and cost that is competitive within the industry.

The total constellation of 300 planned satellites delivers sub-meter multispectral and 25 m hyperspectral imagery with a goal to image the entire Earth on a daily basis.



## MULTIPLE DAILY COLLECTIONS

Increased capacity and revisit capabilities, impacting large mapping projects and organisations in need of constant monitoring



## MULTISPECTRAL AND HYPERSPECTRAL IMAGERY

Sub-meter multispectral imagery and the only commercially available space-based hyperspectral imagery

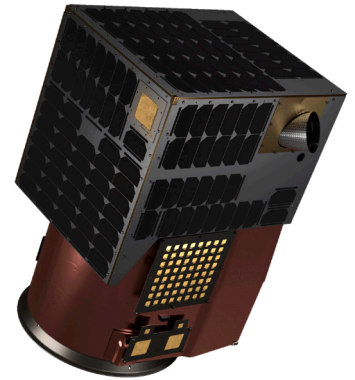


## ENTIRE EARTH CAPTURED DAILY

The planned constellation totaling 300 spacecraft has the ambitious goal to image the entire planet on a daily basis

# Aleph-1 Constellation

Imagery Specifications	Multispectral	Hyperspectral
PIXEL RESOLUTION	99 cm	25 m
NUMBER OF BANDS	4	29
IMAGE ACCURACY	10m CE90	150m CE90
IMAGE DELIVERY BITS/PIXEL	8 or 16 bits	8 or 16 bits
PROJECTION	UTM/WGS84	UTM/WGS84
SWATH WIDTH	5 km	125 km



Product Specifications	Multispectral	Hyperspectral
SENSOR CORRECTION	✓	✓
GEOMETRIC CORRECTION	✓	✓
ORTHO-RECTIFIED	✓	✓
RADIOMETRIC CORRECTION	✓*	✓*
ATMOSPHERIC CORRECTION	✓	✓
VALUE-ADDED LAYERS	Optional	Optional
GIS READY	✓	✓

\*Data can be converted to TOA Reflectance using rescaling factors included in the image metadata

## Applications

- Large scale mapping projects with limited time
- Maritime monitoring in need of multiple daily collection opportunities
- Daily and weekly change detection models
- Precision farming and mineral exploration
- Railroad maintenance monitoring

## About European Space Imaging (EUSI)

Based in Munich, Germany and established in 2002, EUSI is the leading premium supplier of global Very High Resolution (VHR) satellite imagery and derived services such as 3D products, vector derivatives and analytic tools to customers in Europe and North Africa.

Through their longstanding partnership with Maxar Technologies, they were the first European company to bring 30 cm resolution satellite imagery to the EU market. Today, EUSI has access to satellites at resolutions 30 cm – 1 m and a combined daily revisit of close to 10 times a day.

## About Satellogic

Satellogic is the first vertically integrated geospatial analytics company driving real outcomes with planetary-scale insights.

With our satellites, our unique dataset, and our geospatial analytics we help governments and corporations see how our world is changing and ground business decisions in fact. For more information visit [www.satellogic.com](http://www.satellogic.com)

