



ICEYE

- > Better information
- > Better decisions
- > Better world

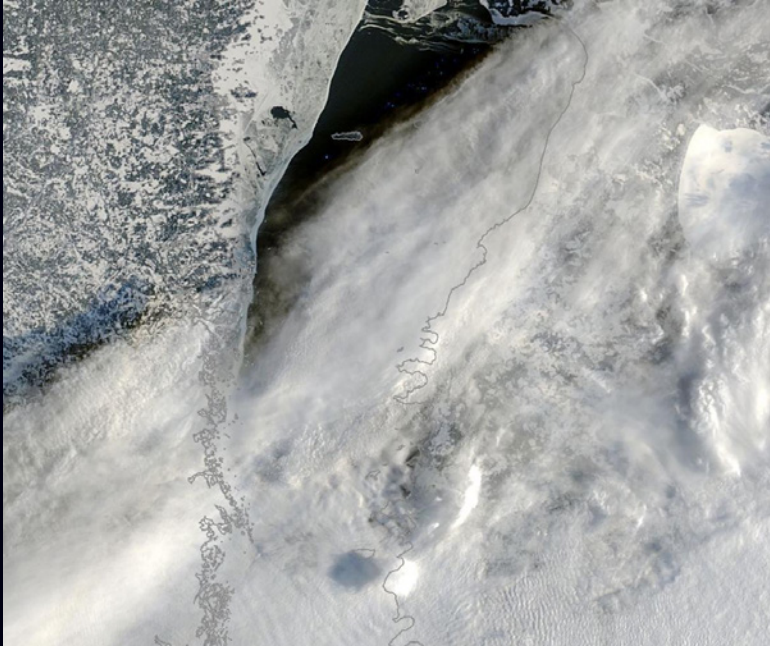


For critical decisions that need to be made now

ICEYE provides all-condition, near real-time imaging for anywhere on Earth

Anywhere. Anytime. Always.

Imaging with radar



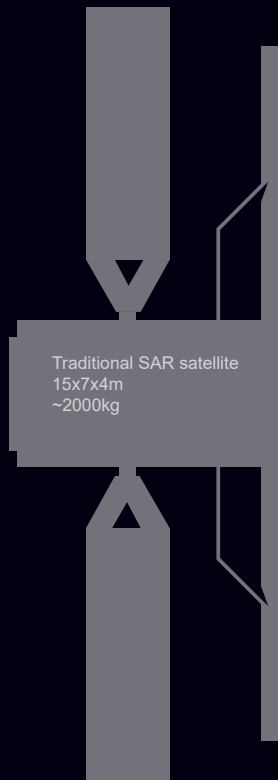
At any given time 75% of the world is either dark or cloudy.



Optical instruments require clear skies and daylight to operate.

Radar waves penetrate clouds. Since the instrument sends its own energy, images look the same day and night.

New approach to space technology



Traditional SAR satellite
15x7x4m
~2000kg



ICEYE
0.4x0.4x3m
~50kg

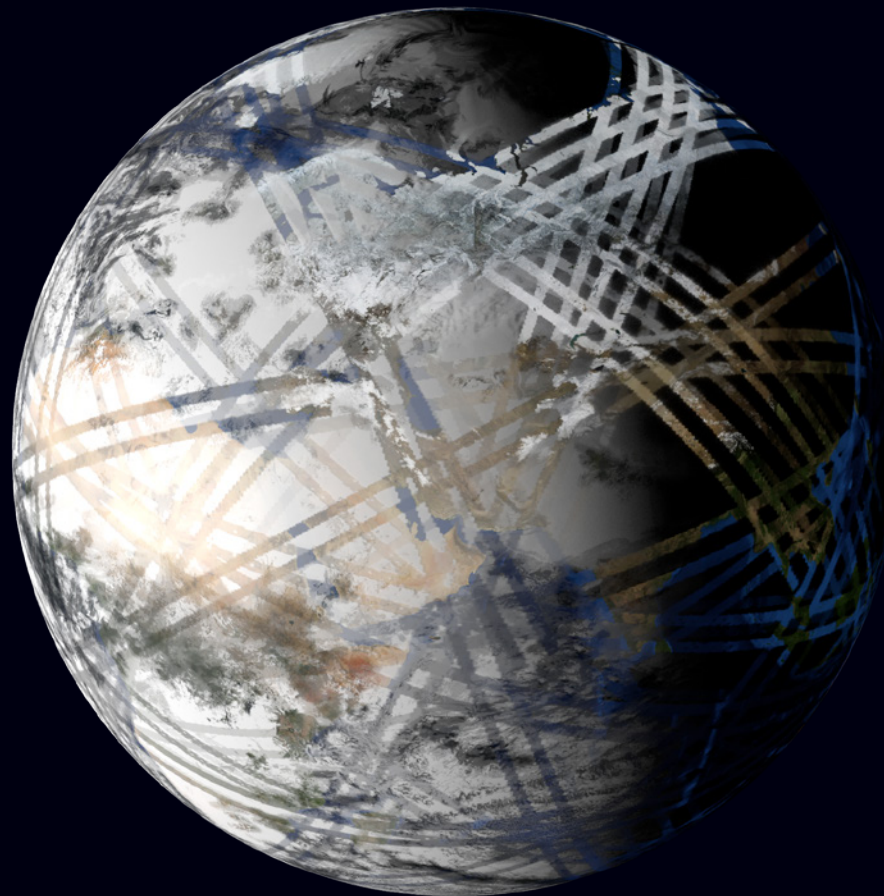
Off-the-shelf components and small size
100x lower cost per unit

Building satellites with standard off-the-shelf electronics is possible. Trading off small amount of reliability and lifetime allows for dramatic reduction of cost and quicker technology update cycle.



Microsatellite constellation
Near real-time imaging with down to 1h response

Low cost of single unit makes it possible to create constellations of tens of satellites enabling massive improvement in temporal resolution.



Positioning

SAR Radar
>Imaging independent of conditions

Microwave instruments can perform imaging in all conditions, independent of cloud cover or daylight condition



Optical
>Imaging only in certain conditions

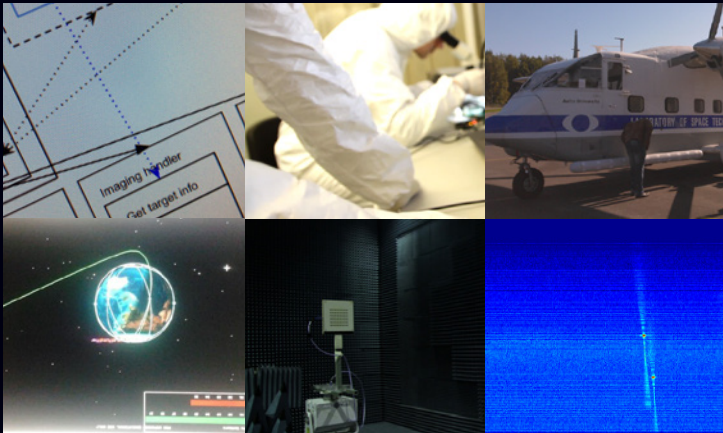
Optical instruments can image only when conditions allow. Cloudless sky and bright daylight are required.



Traditional space industry approach

New space approach

Timeline



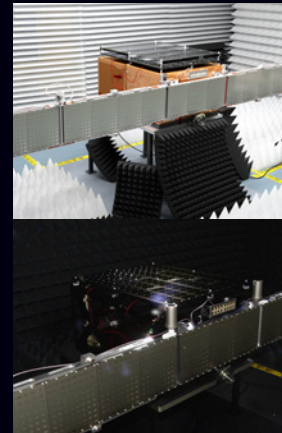
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UNIVERSITY FUNDING
Technology feasibility
Prototype development



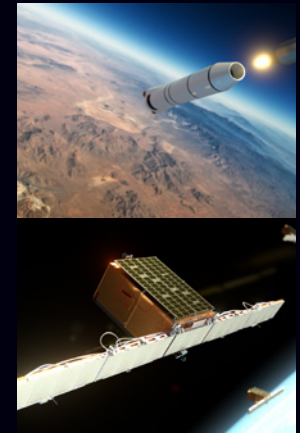
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SPINOFF
Iceye Ltd
IP & team transfer



2 0 1 6

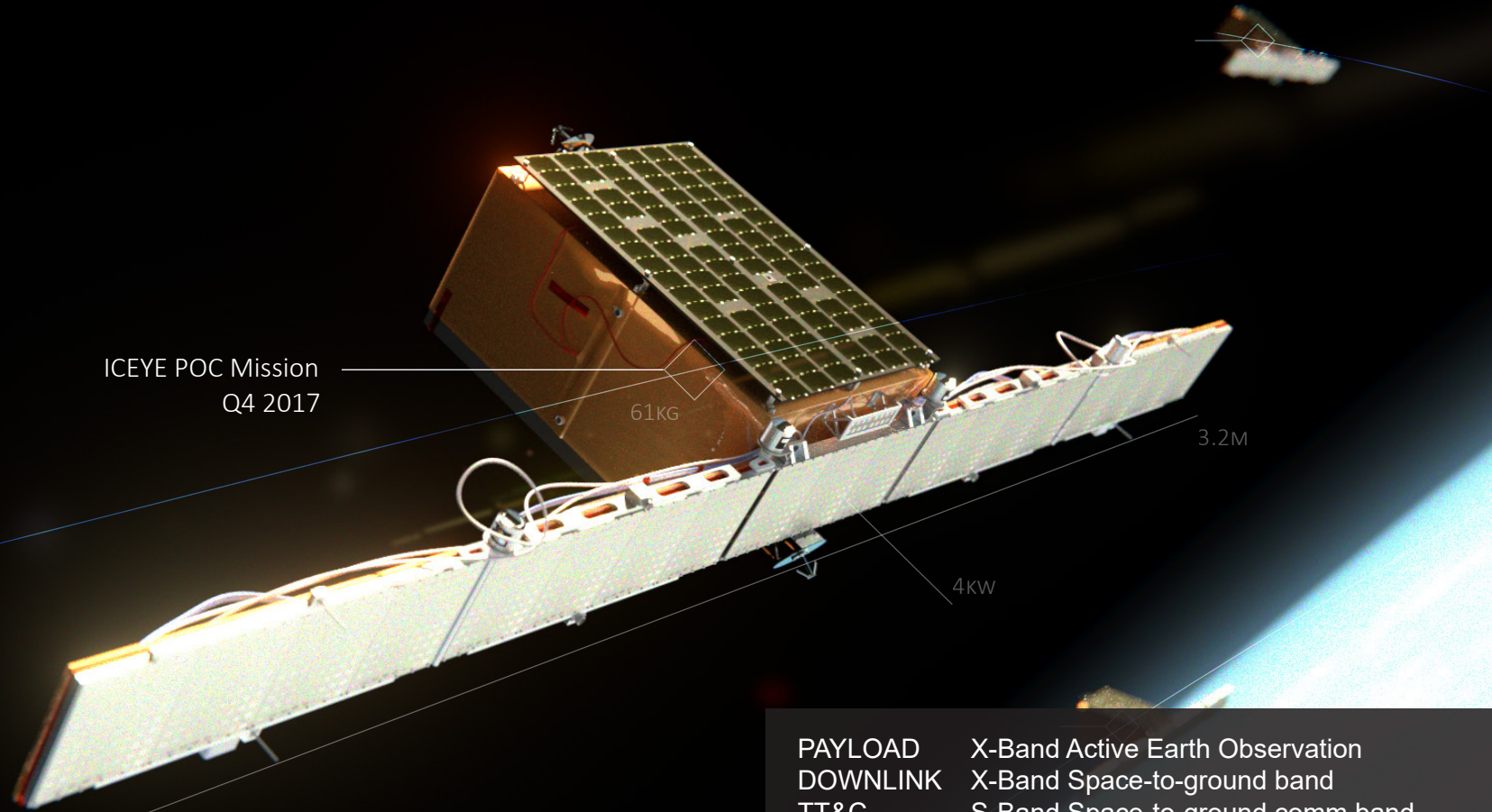
Aerial pilot campaigns
Proof-of-concept satellite
Market validation
Launches secured for POC



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POC launches
Operations scaling
Constellation satellite

Next up



ICEYE POC Mission
Q4 2017

61KG

4kW

3.2M

PAYLOAD	X-Band Active Earth Observation
DOWNLINK	X-Band Space-to-ground band
TT&C	S-Band Space-to-ground comm band

User Industries



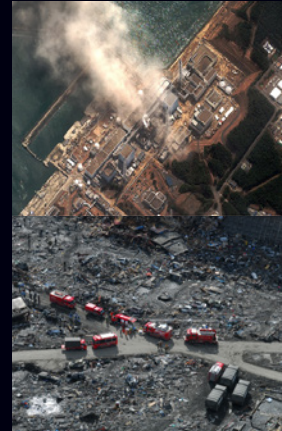
MARITIME



INSURANCE



FINANCE

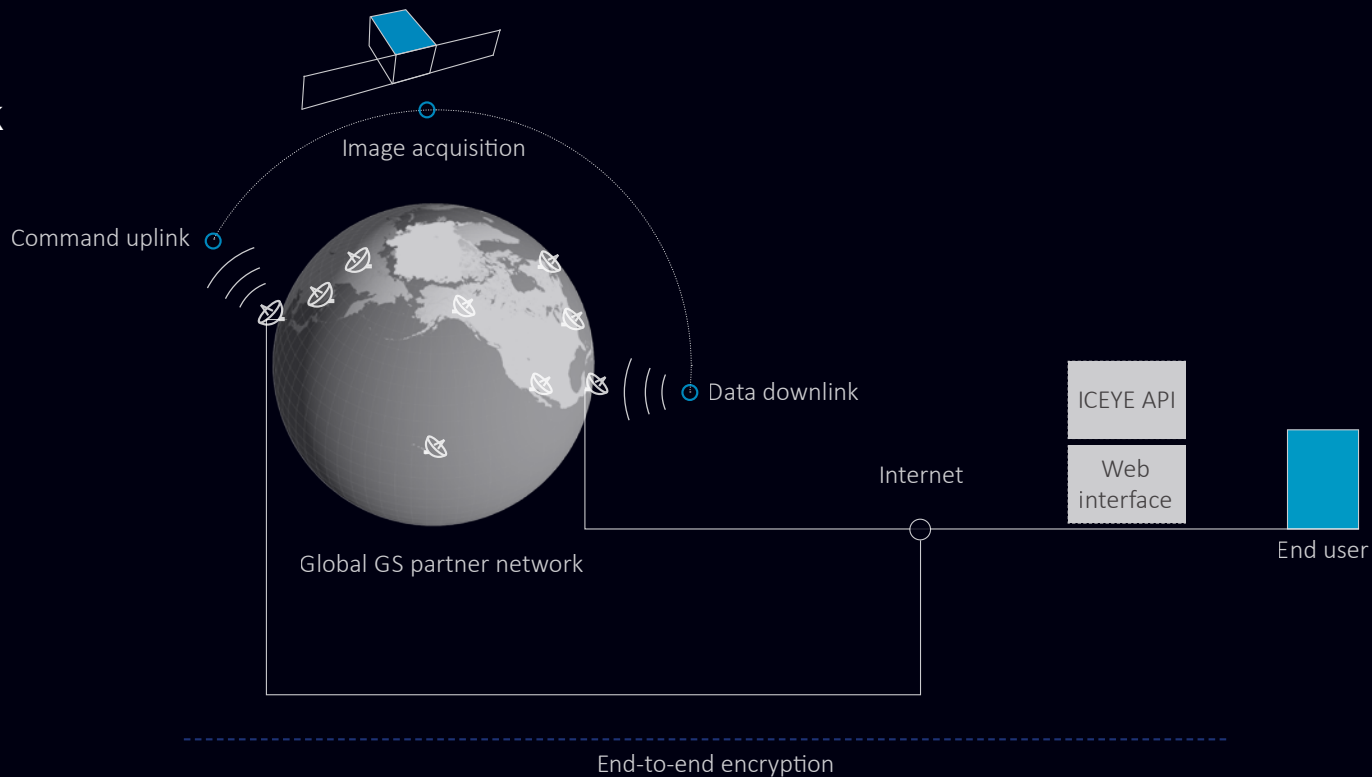


GOVERNMENTAL

Future hopes

Space-to-space TT&C

High throughput downlink
relay service



The logo for ICEYE, featuring the word "ICEYE" in a bold, white, sans-serif font. A white satellite icon is positioned over the letter "E", with a thin white line extending from the satellite towards the top right. The background consists of a dark blue world map composed of small, light blue dots.

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CONTACT

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