

CGI IT Czech Republic

Space

Představení týmu a projektů

9.11.2021, Vojtěch Hron

CGI



CGI at a glance

Founded in 1976

One of the largest IT and business consulting companies in the world

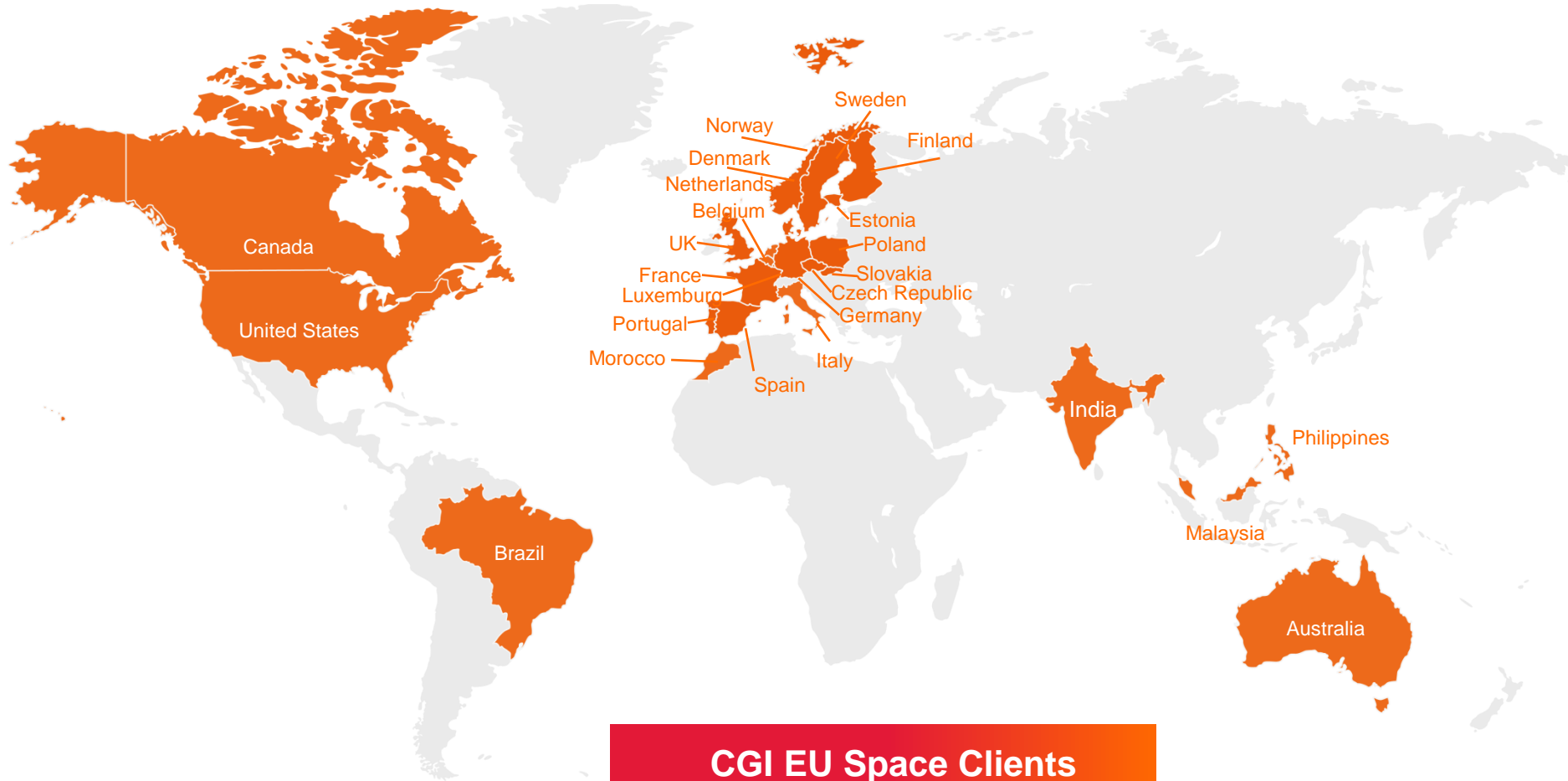
\$11.5 billion revenue*

77,000 professionals

40 offices
400 locations

5,000 end-to-end services clients globally**

150 IP-based solutions



* Revenue in Canadian dollars

** CGI also serves 30,000+ clients in its business process services operations

CGI CSEE

Czech Republic, Slovakia & Eastern Europe

Leading IT services provider
in the region

Head office in Prague, offices in the
Brno, Ostrava, Bratislava & Budapest.

More than 150 active projects

Certification

ISO 9001:2015

ISO 14001:2015

ISO 20000-1:2011

ISO 27001:2013

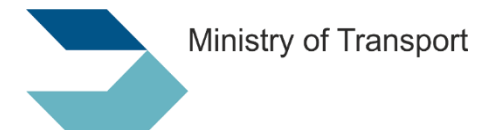
NBU security clearance level "SECRET"

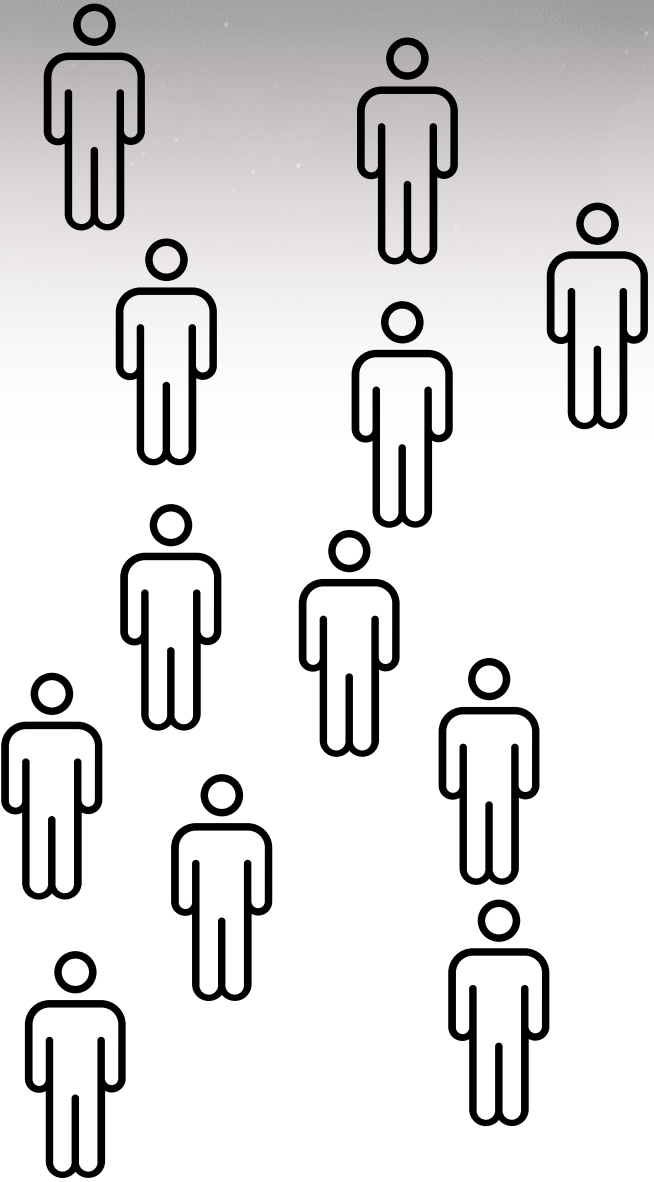


European Space Agency



MINISTRY OF THE INTERIOR
OF THE CZECH REPUBLIC





GALILEO
Public Regulated
Service

EARTH
OBSERVATION



Jiří Novák
Director Consulting Services



Martin Jirman
Project Manager



Kristýna Žáková
Business Consultant



Vojtěch Hron
Technical Consultant



Kristýna Vodičková
Business Consultant

Earth Observation Automated Monitoring Open Platform - SatSight

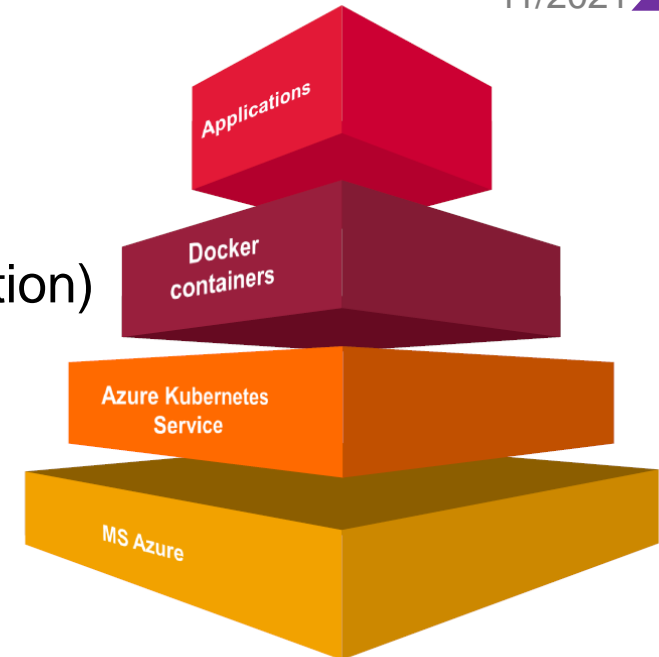
09/2019

11/2021

Duration: 24 + 2 months

Customer:  **esa**  (Investing in Industrial Innovation)

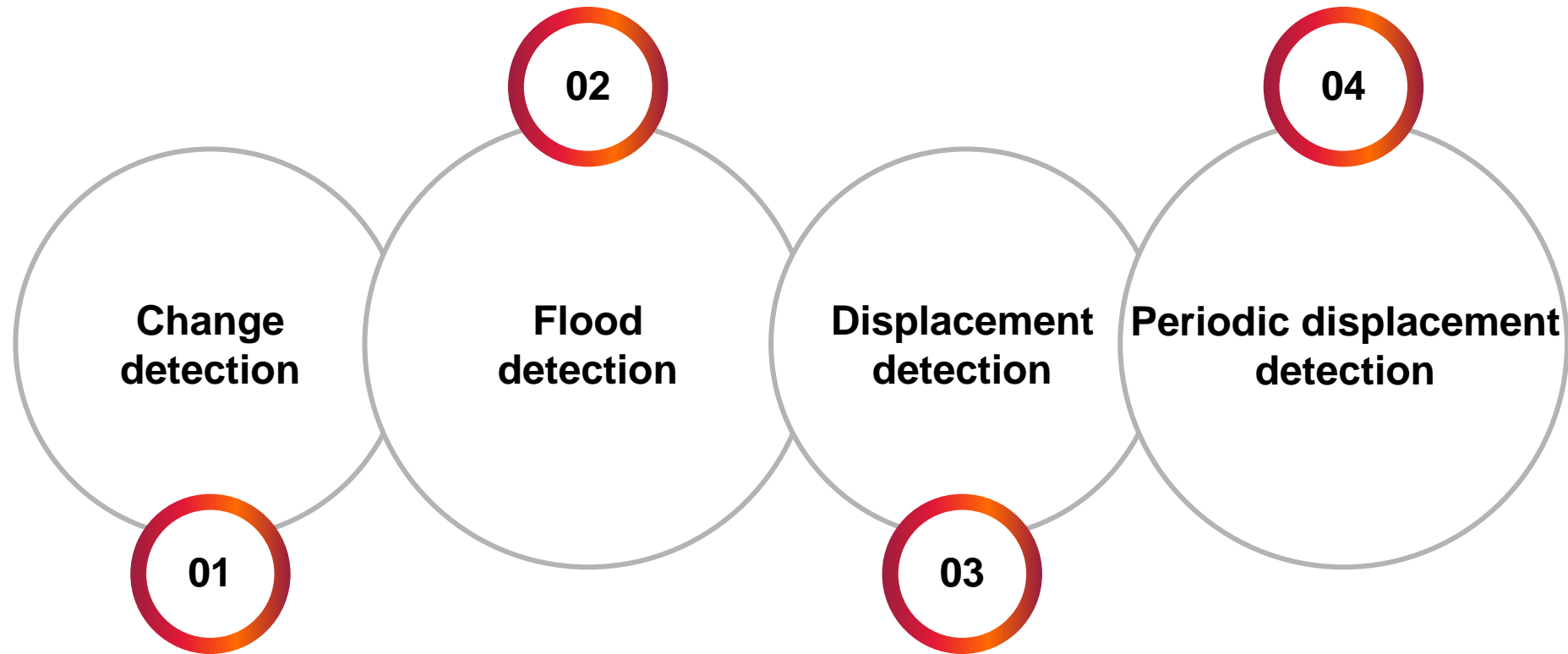
Project team:  &  **VSB TECHNICAL UNIVERSITY OF OSTRAVA**



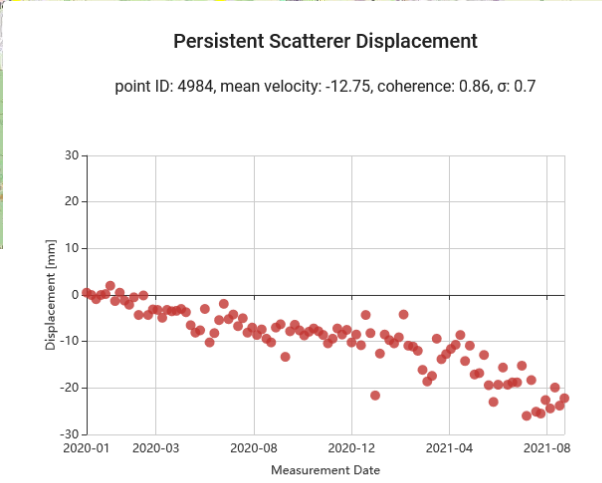
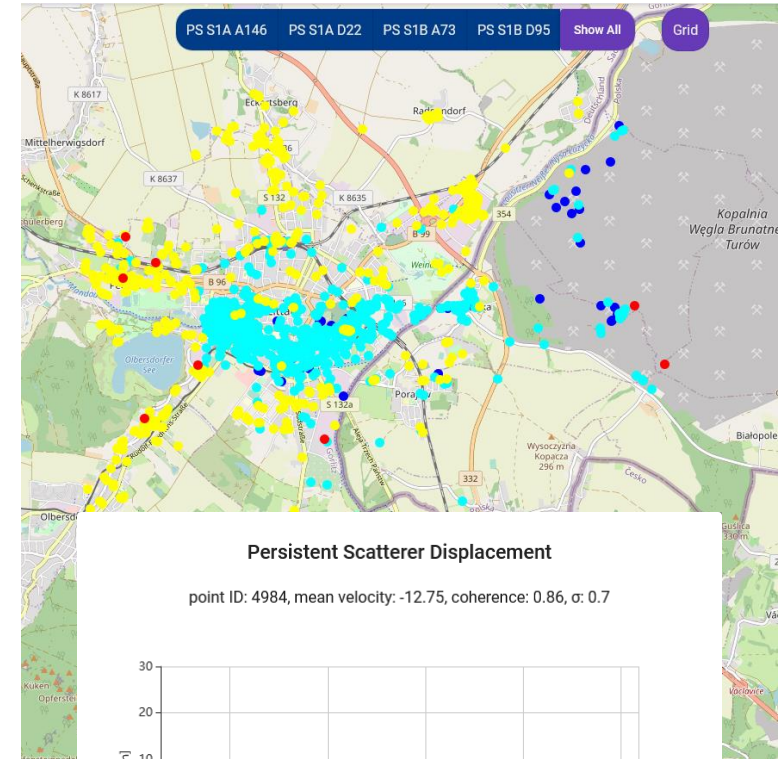
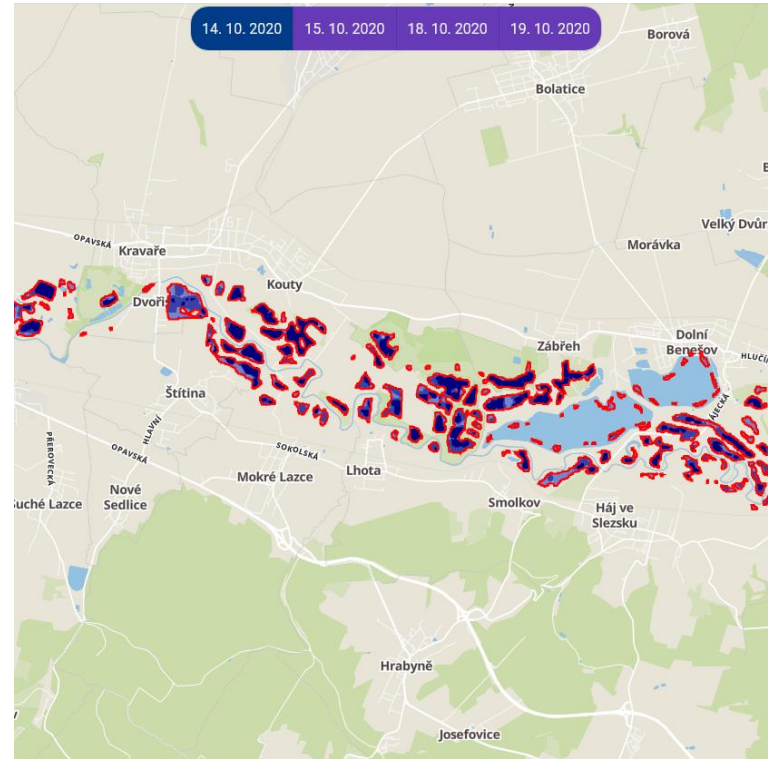
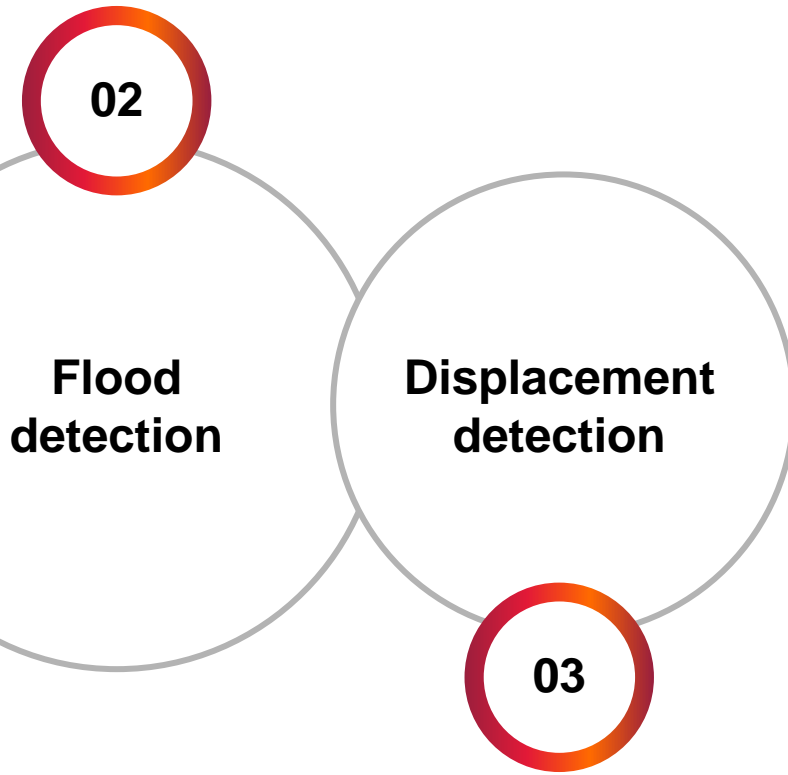
Scope:

- development of cloud-based platform for processing of satellite images - automatic monitoring
- development of 4 EO use cases (in the form of plugins) based on Sentinel-1
- use cases validation

Use cases (analyses) developed by VŠB-TUO



Use cases (analyses) implemented during the project



Earth Observation Video Exploitation and Analytics Platform



Duration: 24 months

Customer:  **esa**

Project team:  & 

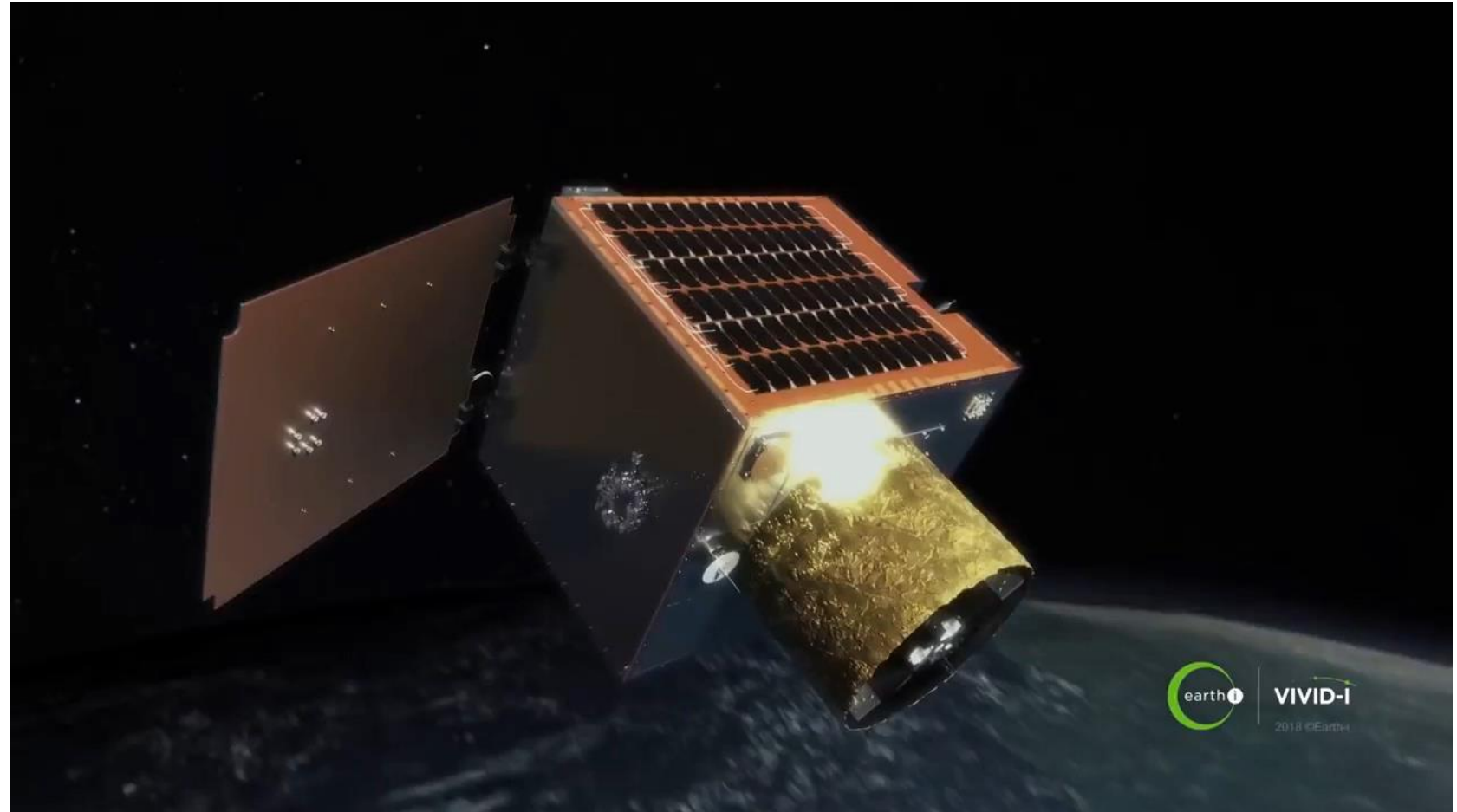


Scope:

- development of cloud-based platform for processing high-resolution, full-colour EO videos
- development of tools for processing EO videos
 - cloud removal, extracting frames etc.
- development of EO video analytics
 - vessel identification, vessel counting, motion tracking, creation of 3D models, change detection etc.

Why EO video?

- machine learning
→ faster and more accurate object recognition
- creation of 3D models
→ 3D change detection
- more contextual information
→ capturing movement
- mitigate clouds in a scene
→ clear images



CGI - Kosmické technologie

- <https://www.cgi.com/ceska-republika/cs/kosmicke-technologie>

InCubed - CGI SatSight

- <https://incubed.phi.esa.int/portfolio/cgi-satsight/>

YouTube - CGI SatSight

- https://youtu.be/_DCi_8PZxHU

cgi.com



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Nastartuj svou **kosmickou kariéru** v CGI!

Junior Space Consultant

- Ideální příležitost pro **juniory a absolventy!**
- Práce s nejmodernějšími **navigačními systémy a satelitními technologiemi**
- Projekty orientované na systém **Galileo**
- Využití dat ze satelitů pro **dálkový průzkum Země**
- Mezinárodní projekty
- Cloud computing a automatizace
- Mentoring a firemní vzdělávací programy
- Kariérmí rozvoj

Ozvěte se nám!



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náborář pro sektor Space



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