EOMAP
a Fugro company

## Enhancing Engineering Projects

# FROM SPACE TO INFRASTRUCTURE

**Satellite-derived data is transforming the way engineering projects succeed, whether on the coast or inland. Leading engineers worldwide trust our solutions to plan smarter, monitor with confidence, and mitigate risks before they arise. From building resilient infrastructure to safeguarding the environment, we empower you to deliver safe, efficient, and sustainable results, both above and below the waterline.**

Understanding the characteristics of underwater and coastal terrain is critical to the success of engineering projects. The insights we provide comprise past states, current conditions and future changes, enabling you to engineer with confidence.

## CHALLENGE ACCEPTED

+ Complex terrain in remote or restricted areas
+ Time constraints in project planning
+ Vulnerable offshore and nearshore environments
+ Efficient fieldwork and mobilisation needed

## WHY BUILD ON EOMAP SERVICES

- **Cost cuts and time savings**
  Access accurate data without costly field campaigns.
- **Fast, convenient insights**
  Retrieve critical information remotely, even in hard-to-reach locations.
- **Global coverage, consistent quality**
  Reliable data accross all latitudes, from tropical deltas to polar coastlines.
- **Zero on-site mobilisation**
  Reduce environmental impact and logistical complexity by eliminating field deployment.

**Contact us**
engineering@eomap.com

## OUR SOLUTIONS

### Satellite-Derived Bathymetry (SDB)

Gain high-resolution depth data for planning marine infrastructure, pipelines, and dredging operations.

### Monitoring Coastal Change

Track shoreline dynamics and sediment transport to inform resilient engineering designs.

### Shoals Database & SDB Archive

Access historical and current bathymetric data for long-term project planning.

### Land Classifications

Speed up assessments and infrastructure development through flexible land cover classifications.

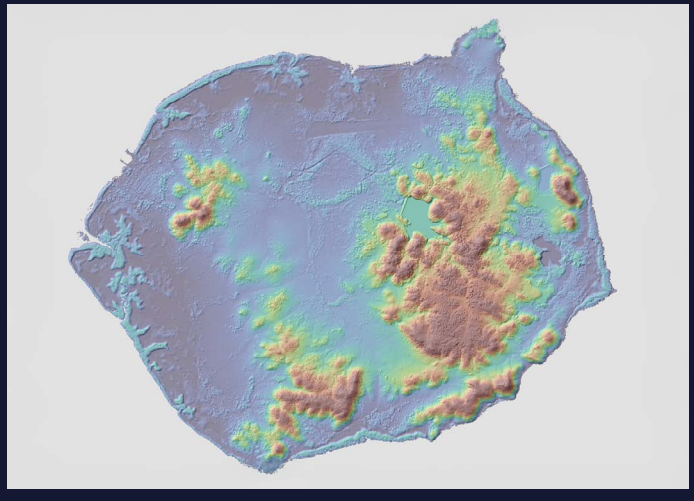
### Digital Surface & Terrain Models

Receive accurate elevation models to support flood modeling, construction planning, and terrain analysis.

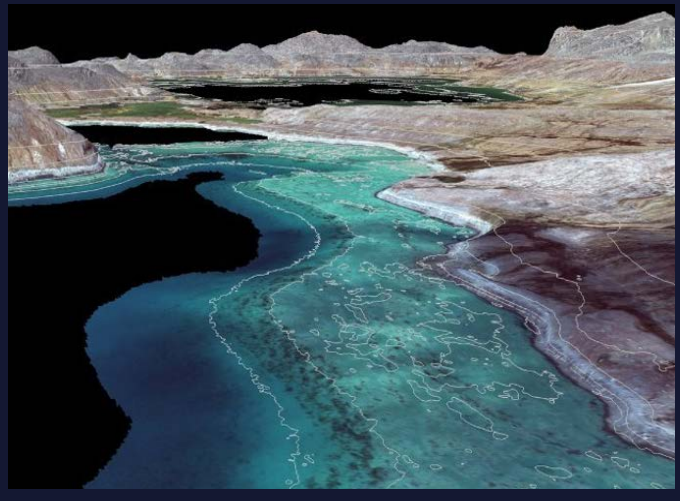
### Software Tools

Smoothly integrate EO data into your workflows with our user-friendly platforms.

## FEATURES



**Digital Twin Horn Island** | A high-resolution digital twin was created using satellite-derived bathymetry, topography, and land classification data to support decision-making in a remote coastal terrain.



**Topo-Bathy Cable Landing Sites** | The rapid yet low-impact site selection and engineering of a submarine cable landing infrastructure was enabled by satellite-derived elevation and depth data.

**Learn more**
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