



Climate change and sea level rise

A global problem with local urgency

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Flood risk hazard mitigation and climate adaptation planning of the coastal zone.

What is Coastal Resilience?





It has been said that climate change poses an existential threat to some small island states. To some, this sounds alarmist, yet it is not far-fetched.

Scientists have estimated that some of these may become largely uninhabitable by the end of the century.

The United Nations Development Programme (UNDP)

“We are sinking” – Tuvalu’s foreign minister



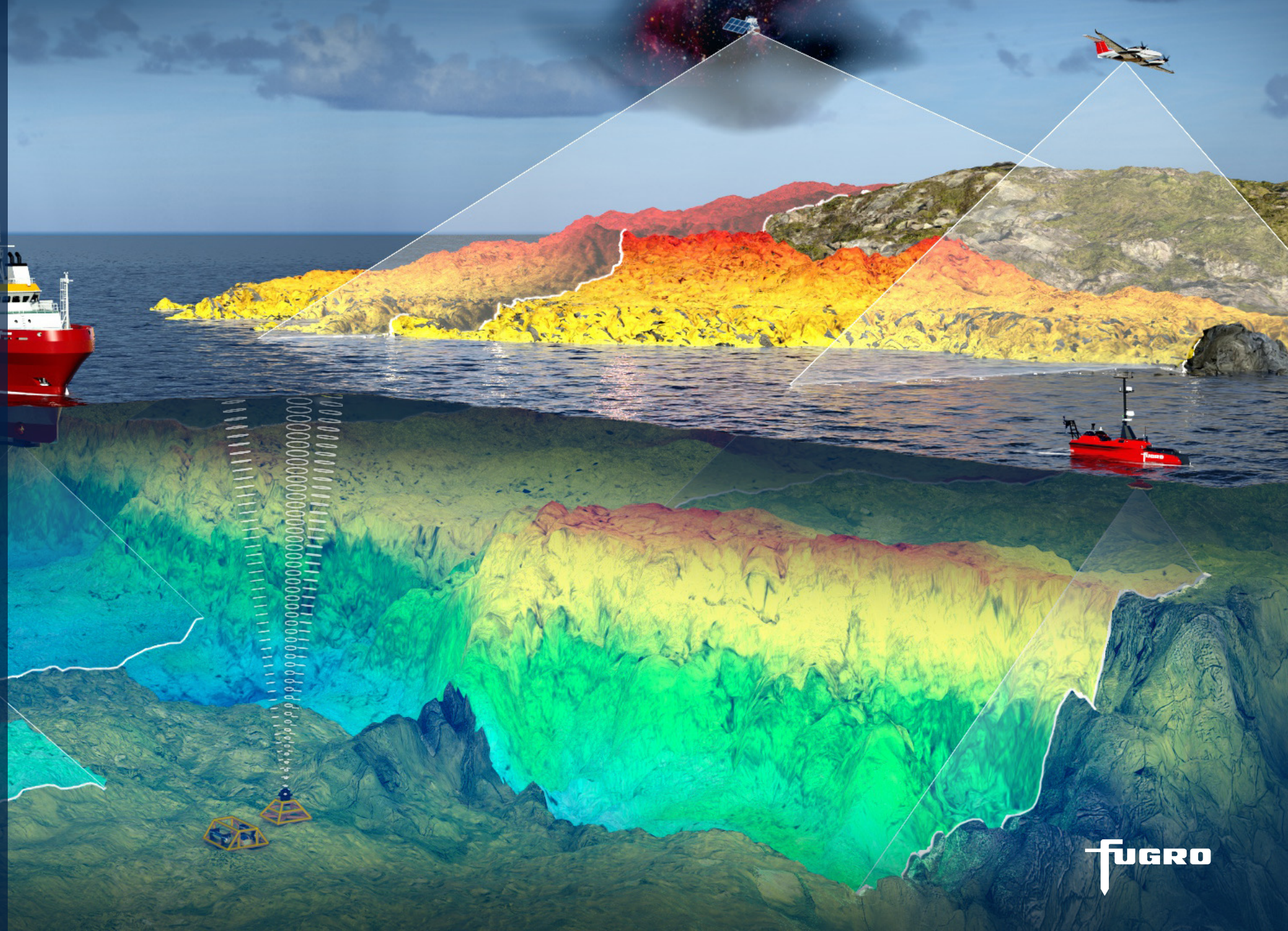
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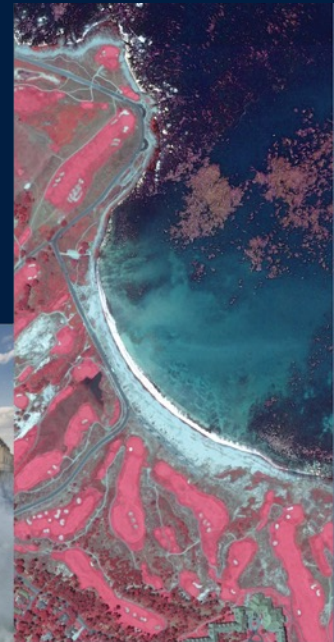
FUGRO

Integrated Geo-data solutions to support coastal resilience

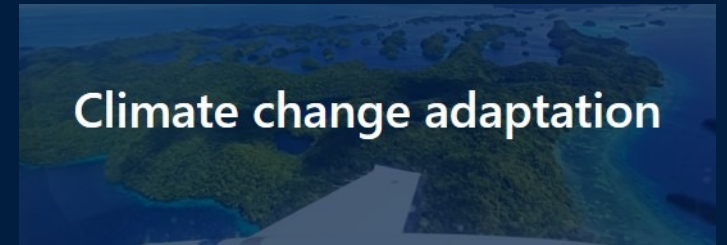
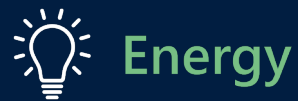
- **Geo-data insights** are essential for coastal engineering
- Unique combination of **marine** and **land** expertise
- Consultancy-led approach across multiple platforms, sensors and scales to ensure **fit-for-purpose** solutions



Our purpose: Together we create a safe and liveable world



Contributing to the UN Sustainable Development Goals



SUSTAINABLE DEVELOPMENT GOALS



Unlocking insights from Geo-data


Using our 'triple A' approach, we support our clients both on land and at sea



Marine site characterisation



Marine asset integrity



Land site characterisation



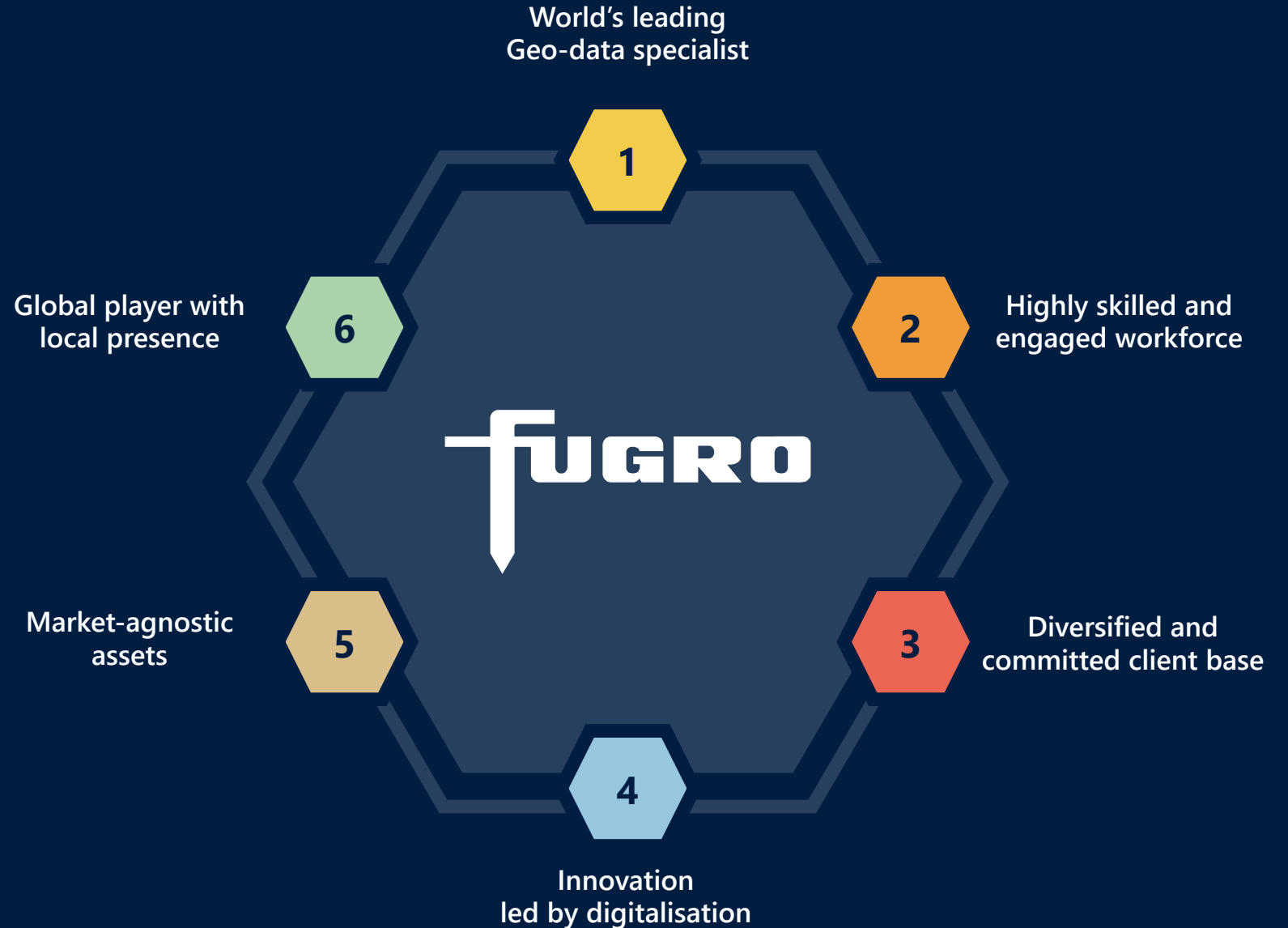
Land asset integrity

Acquisition of Geo-data

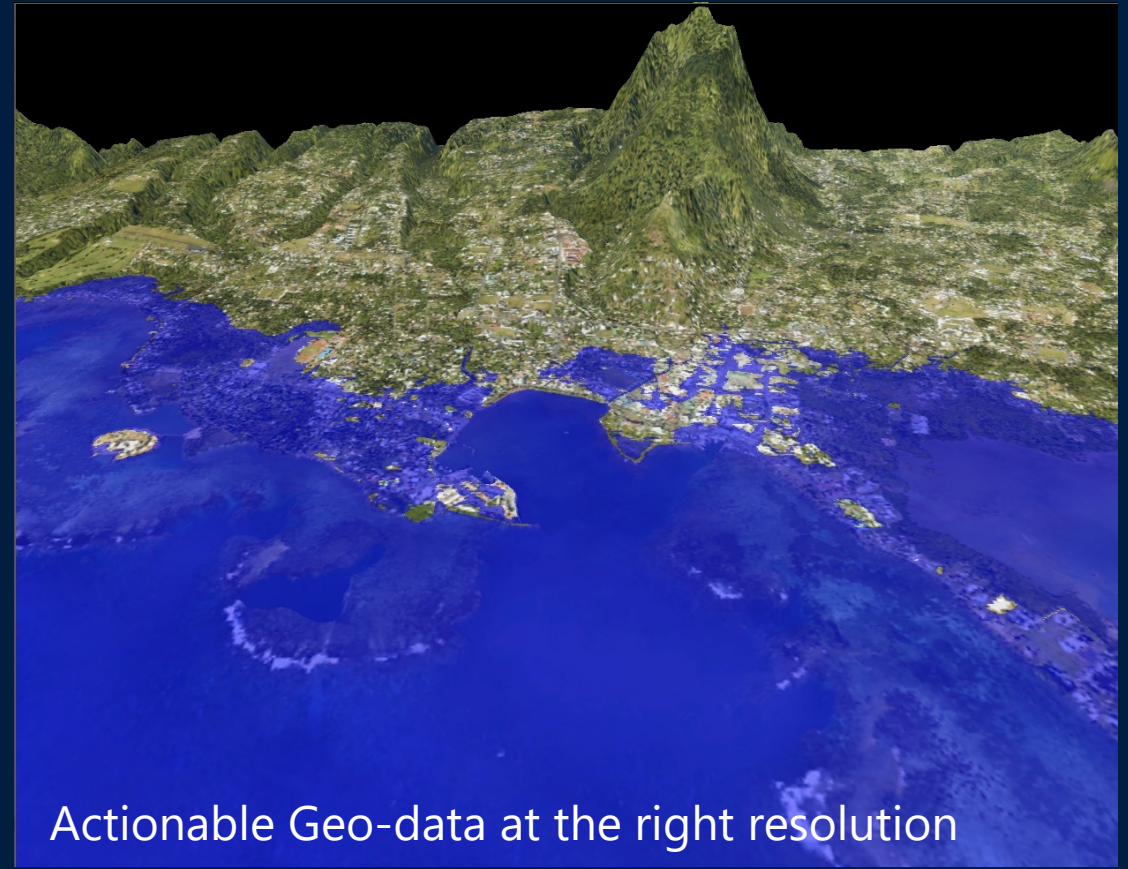
Analysis of Geo-data

Advice based on expertise

Underpinned by our key strengths



Coastal resilience starts with a map



Mean Sea Level +2m

Tuvalu example



St. Maarten

Hurricane Irma's aftermath



St. Maarten example – making big data easy to use



St. Maarten example – making big data easy to use





Thank you

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