Fugro

Complementary Capacity and Capabilities

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Independent and Cost Effective Survey Support

We aim to provide the most **accessible, reliable, safe** and **cost effective** survey support service in the world. In tune with the needs and constraints of our customers, we provide **flexible, multi-disciplinary, fit-for-purpose solutions**.

Resources

13,500 Employees

50 Vessels

75 CPT Trucks
CPT Towers

24 Laboratories

25 Jack-up Platforms

50 Aircraft

215 Land-based Rigs
16 Offshore Rigs

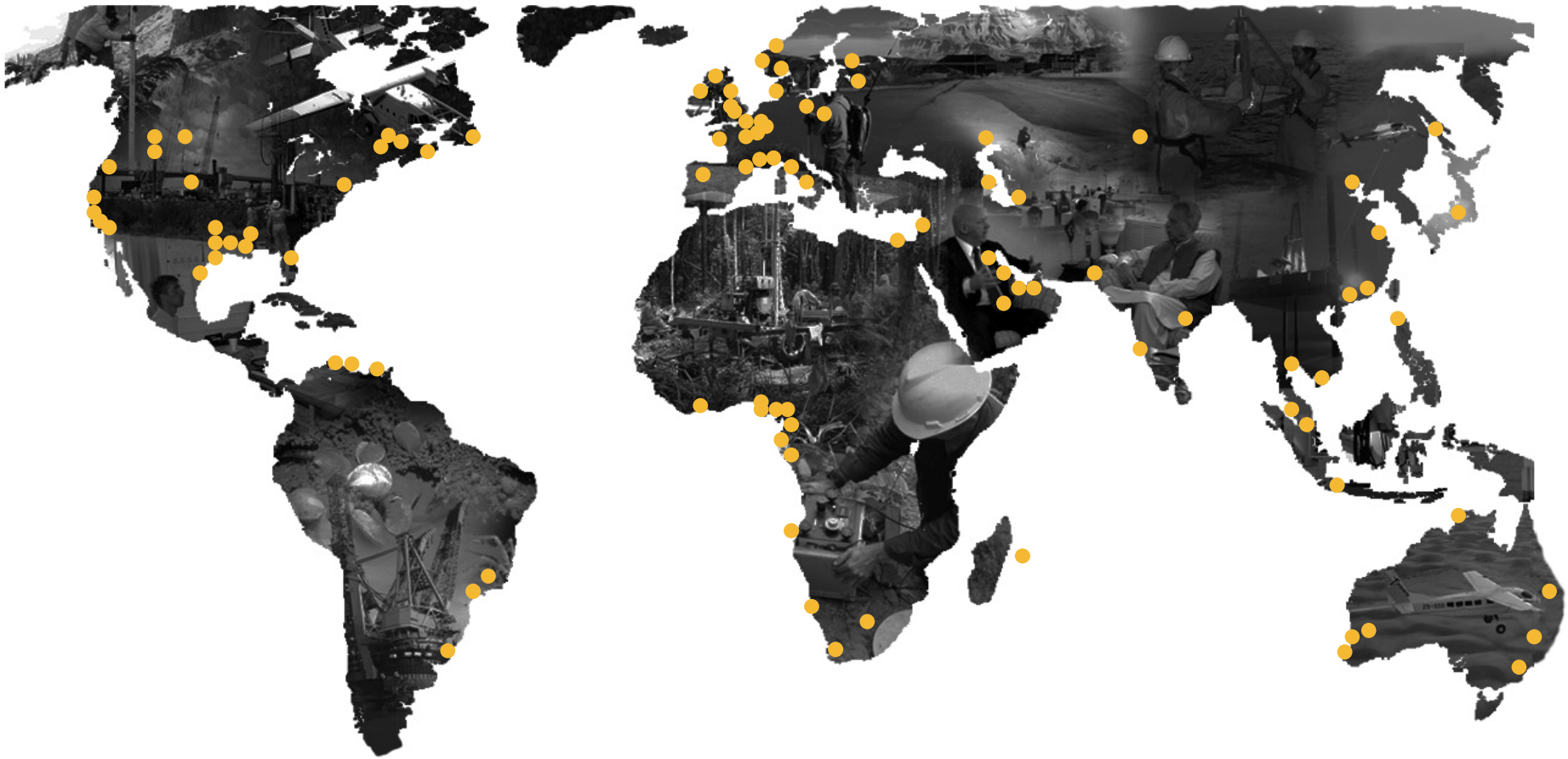
135 ROVs

5 AUVs

275 Offices

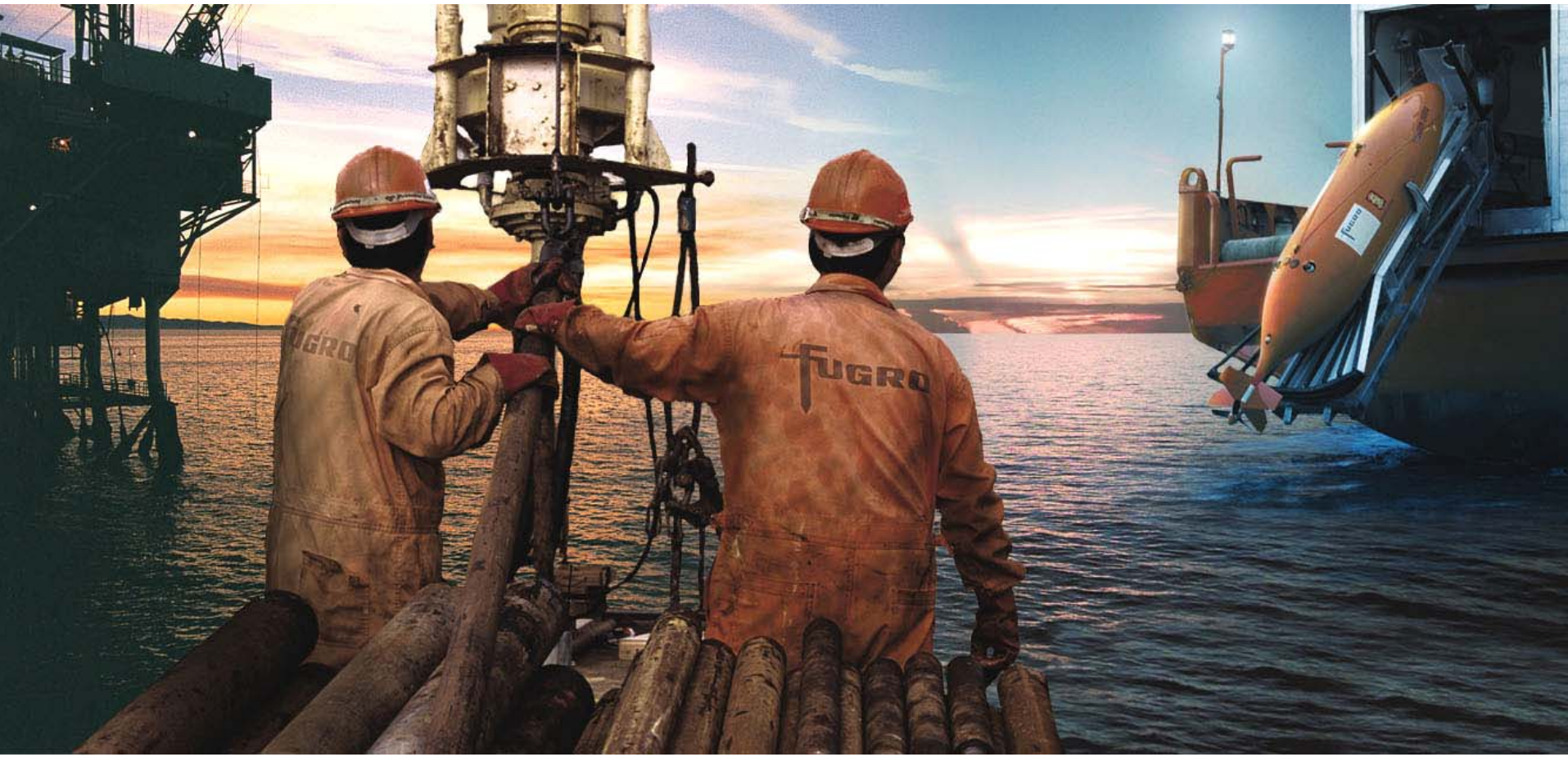
Fugro's people, vessels, equipment and facilities expand and develop to meet the demands of new challenges in new regions and provide continuous high quality service that **exceeds the expectations** of our customers.

Local Presence - Global Perspective



Fugro delivers these services from a **global network** of offices and facilities. Localised services are backed by an internationally acclaimed **knowledge base** and **resource provision**.

Oil & Gas



The global **oil and gas industry** relies on quality data collection, assessment and interpretation services over the entire life of field, contributing to exploration, development, production, decommissioning and remediation.

Public Sector

Accurate information about a country's territorial waters and coastal marine environment is critical to the **effective governance of operations, navigation and safety management** at a local, regional and national level.

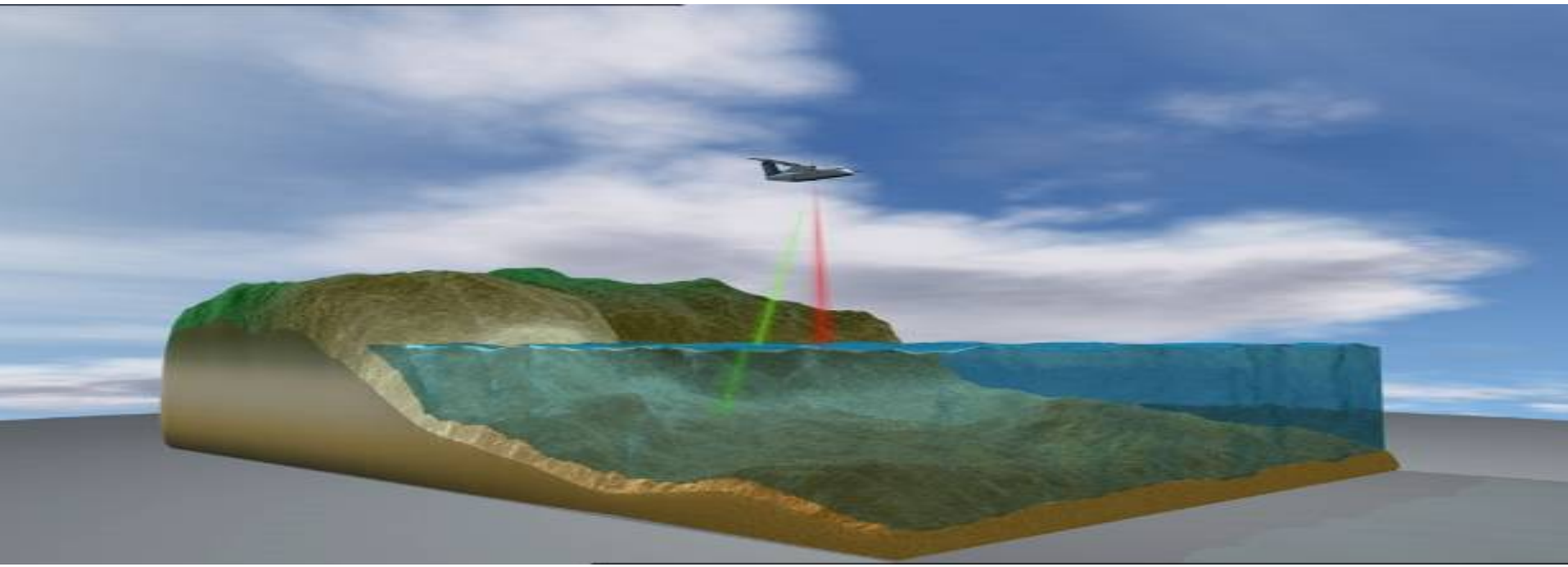
Fugro Academy

The Fugro Academy offers continuous **educational and technical training** designed to advance the career development opportunities of our employees and safeguard Fugro's future access to knowledge and expertise.

Mobile Learning

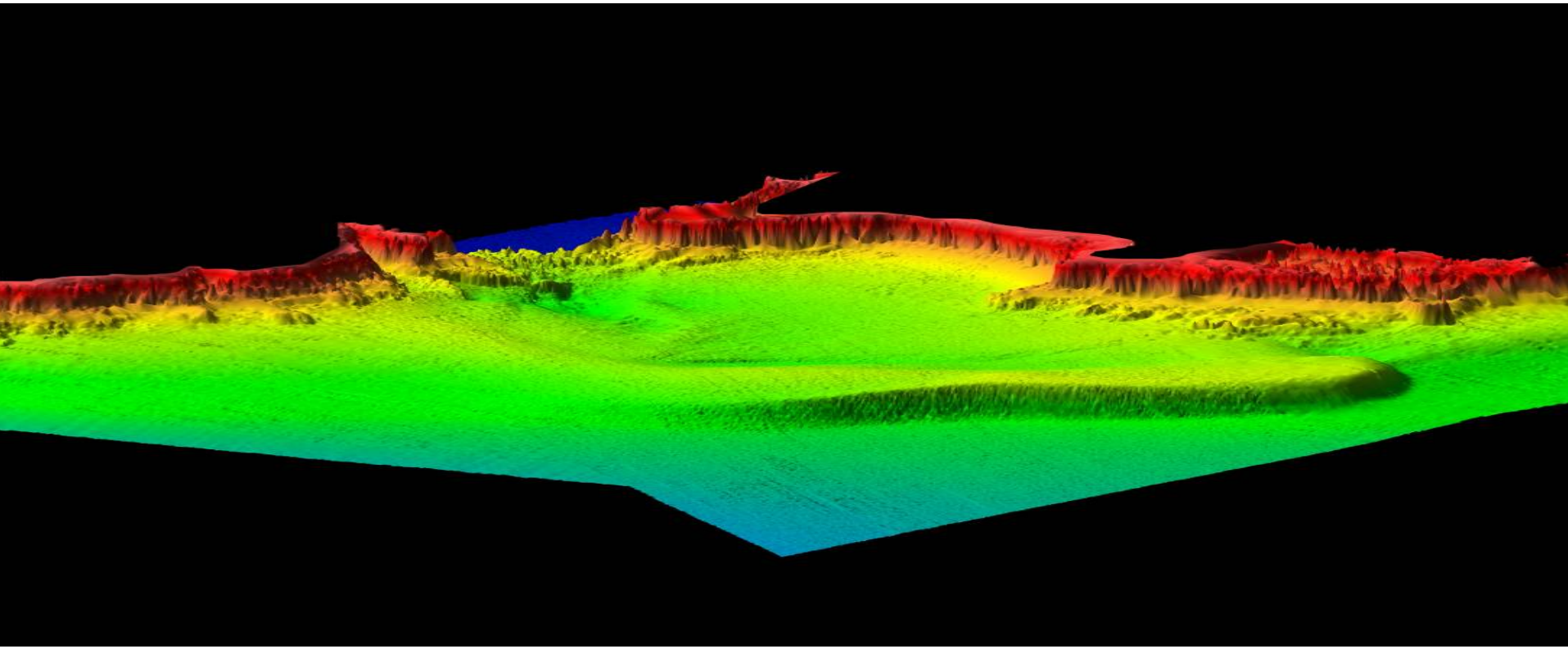
- E-Learning
- Tailored Solutions.
- Partnerships for professional development

Fugro Airborne Lidar Bathymetry



- Global leader in Airborne Lidar Bathymetry application and technology
- Hydrographic survey system mounted inside an aircraft
- Pulses of laser light are used to measure the depth of water and height of features (ie rocks, islands, beach gradients)

Advantages of Lidar Bathymetry



Seamless data across the land water interface.

Cost effective and rapid survey option.

Safe in hazardous areas

Access to remote areas

An Example: GCS/Fugro Red Sea Survey

Survey of Complex Coastal and Deep Water Tropical Bathymetry for IHO S44 standard Navigational Charting and Port Engineering, Red Sea, Kingdom of Saudi Arabia.

General Commission for Survey (GCS)

North Jeddah ENC / Hydrographic Charting Survey

Jazan Economic City

Approaches and Port Survey

Total Area ~5400 km²

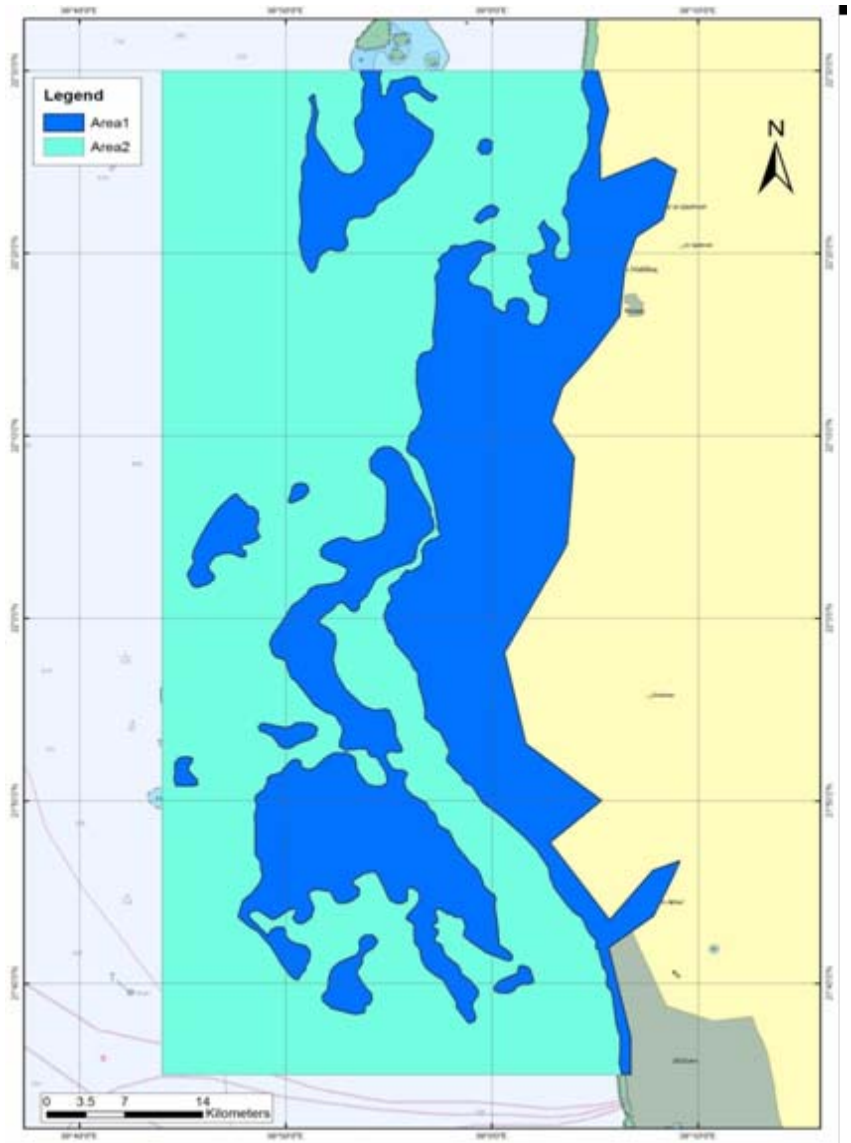
North Jeddah: Acquisition Overview

Total Project surveyed area: 3852 km^2

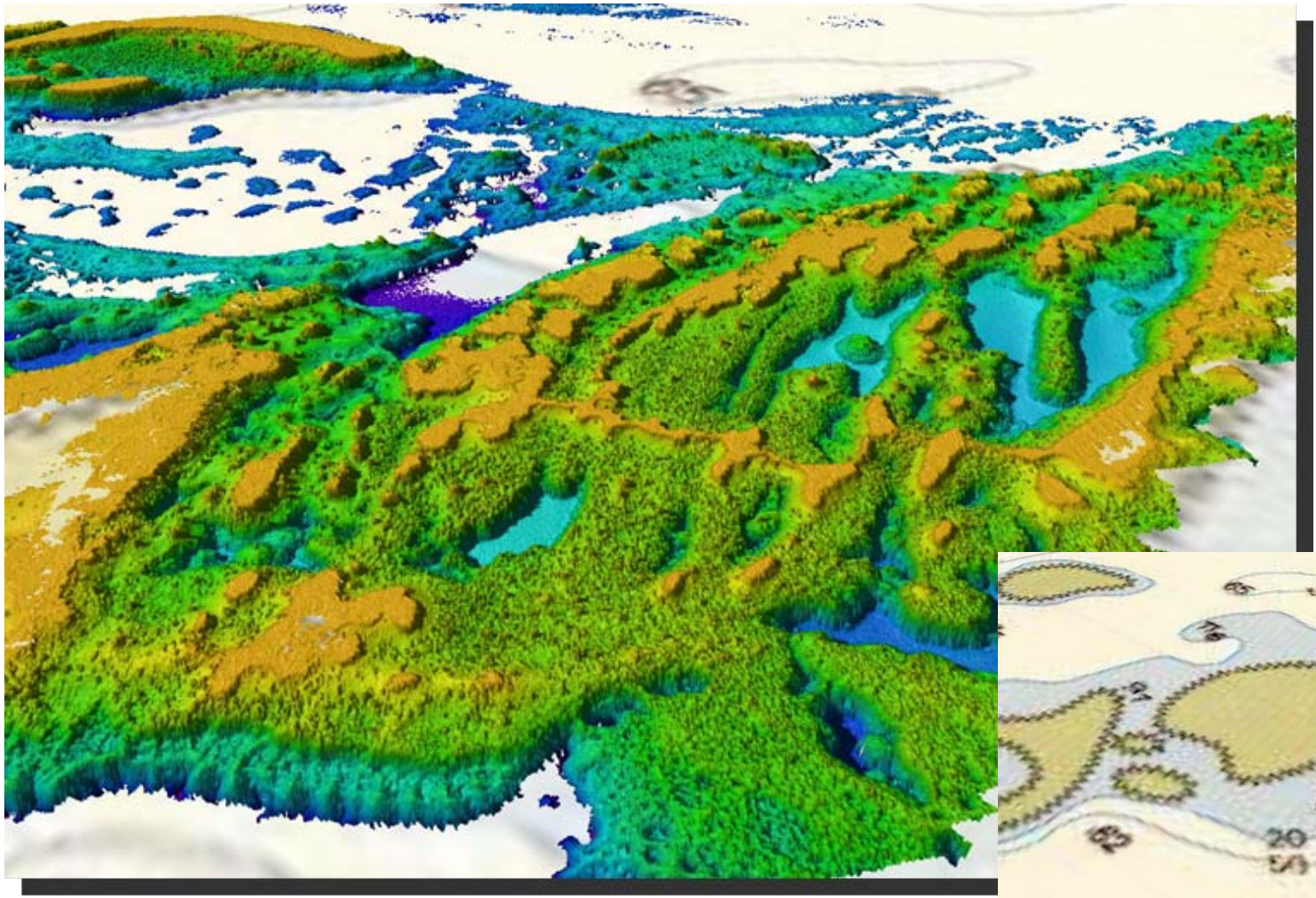
Lidar: 1517 km^2 (Area 1)

MBES: 2635 km^2 (Area 2)

Date acquired in Mar-June 2010

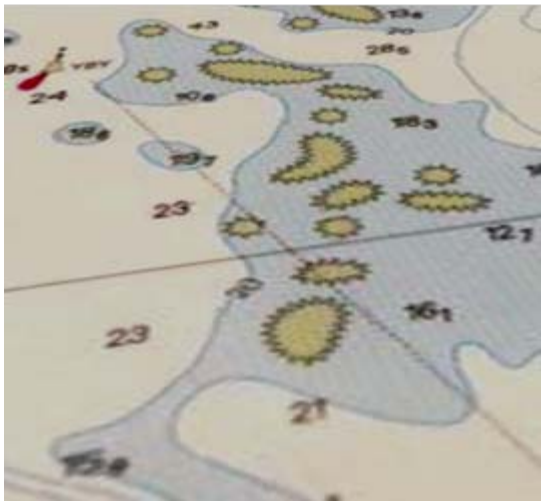


North Jeddah: Chart Comparison

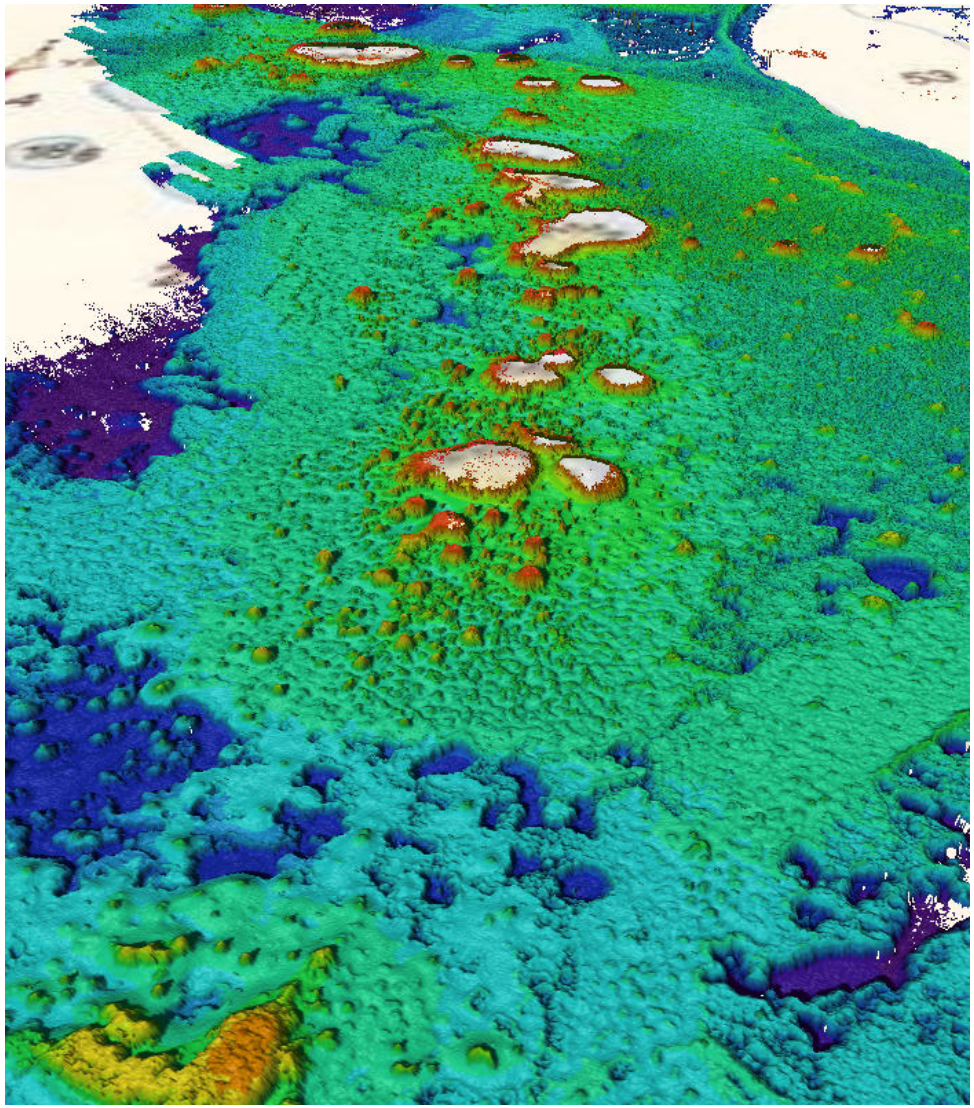


Complex reef morphology

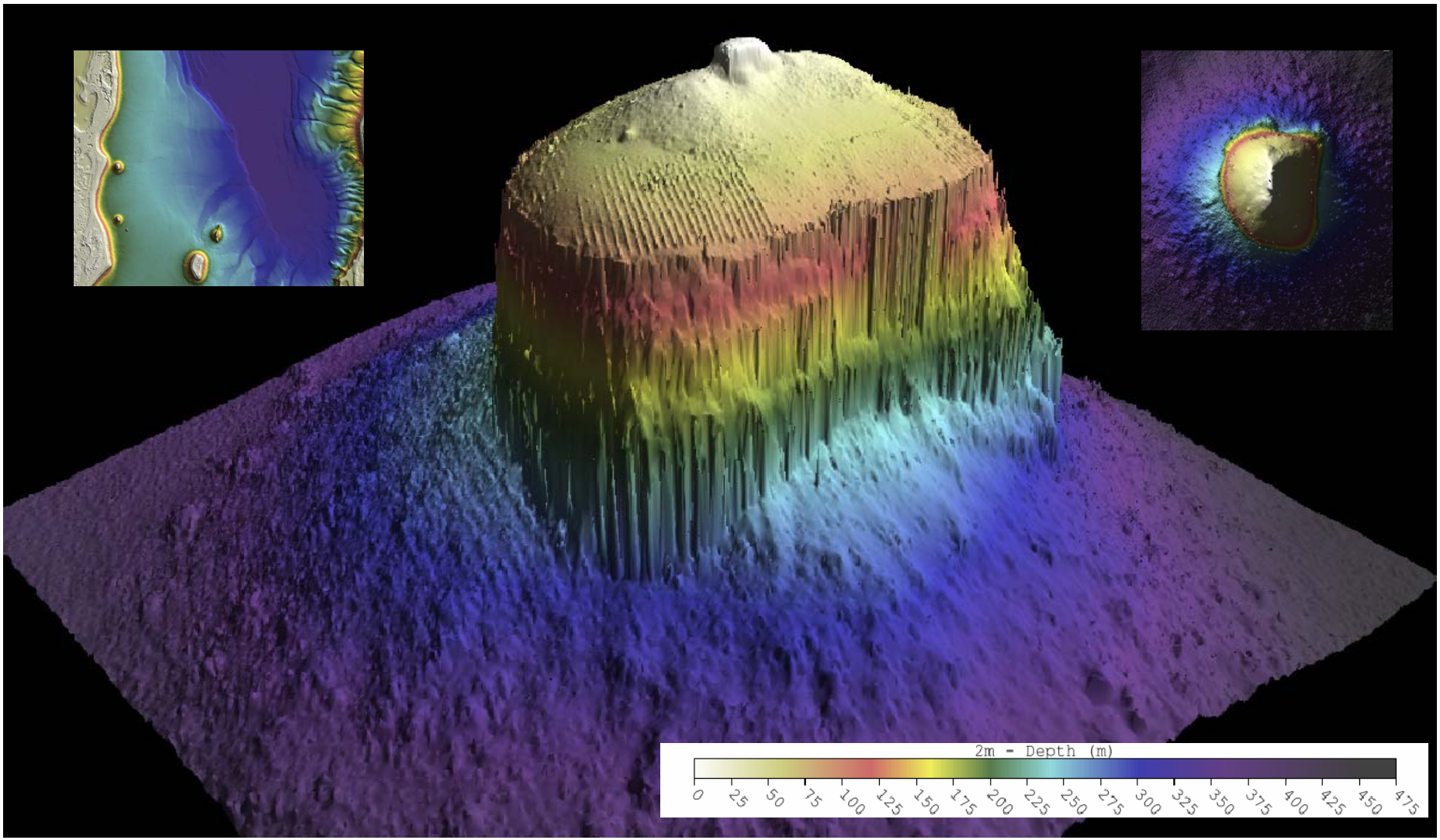
North Jeddah: Chart Comparison



Larger drying coral
approx. 100x200m

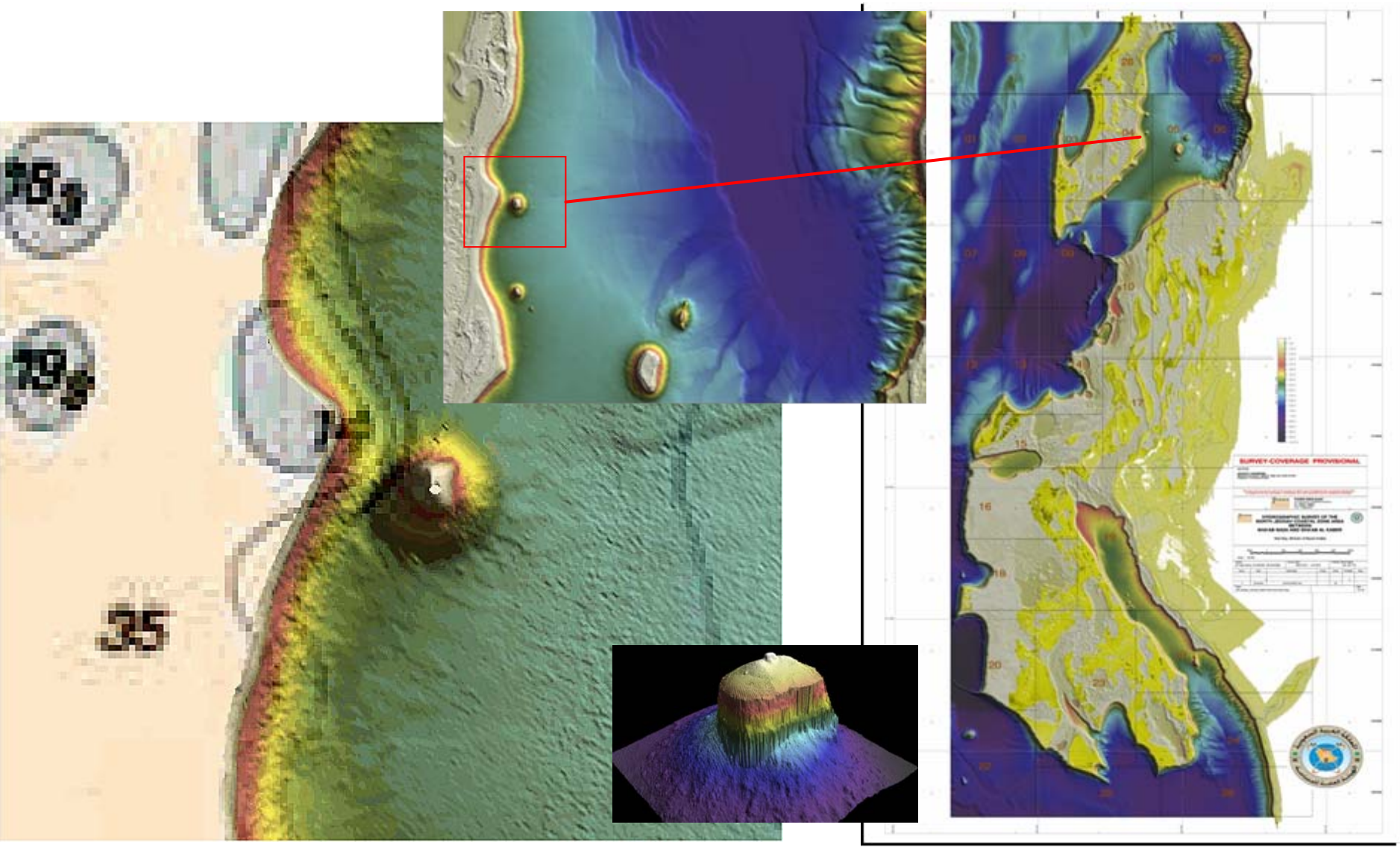


Deep to Shallow



Seamount feature shoaling from 355m to 2m

What it‘s all about: Safety



Thank You