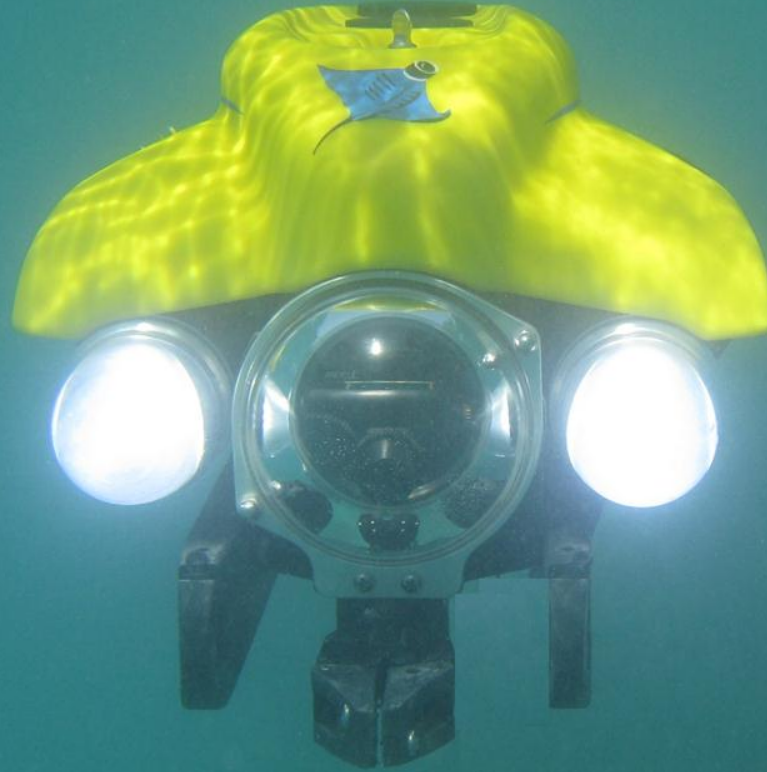


Using micro-ROV's to Conduct 200+km's of Bathymetry & Biotope Surveys in the Red Sea



Craig Thorngren

Submerged Recovery & Inspection Services



The Mission

Travel to the Red Sea in Saudi Arabia and train 8 Staff members from KFUPM how to set up, operate and maintain their micro-ROV and then visually inspect over 200+ km's of seafloor



Obstacles to Overcome

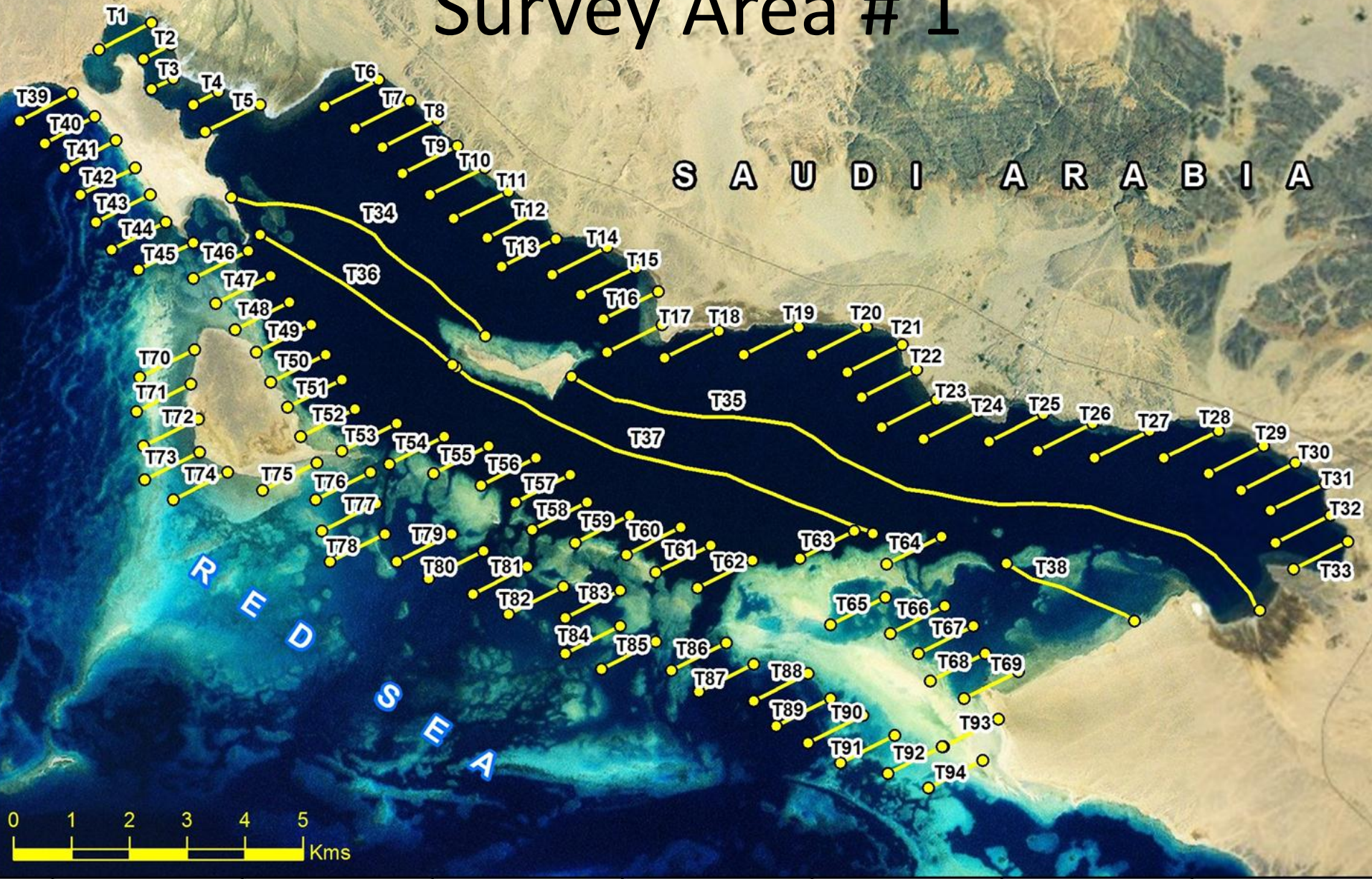
- A very tight work schedule
- No Support Facilities
- Operating Platform
- The Temperature
- Ramadan
- Language & Cultural Barriers
- Bureaucratic Maneuvering
- Large Operating Area
- Stringent Data Gathering Requirements



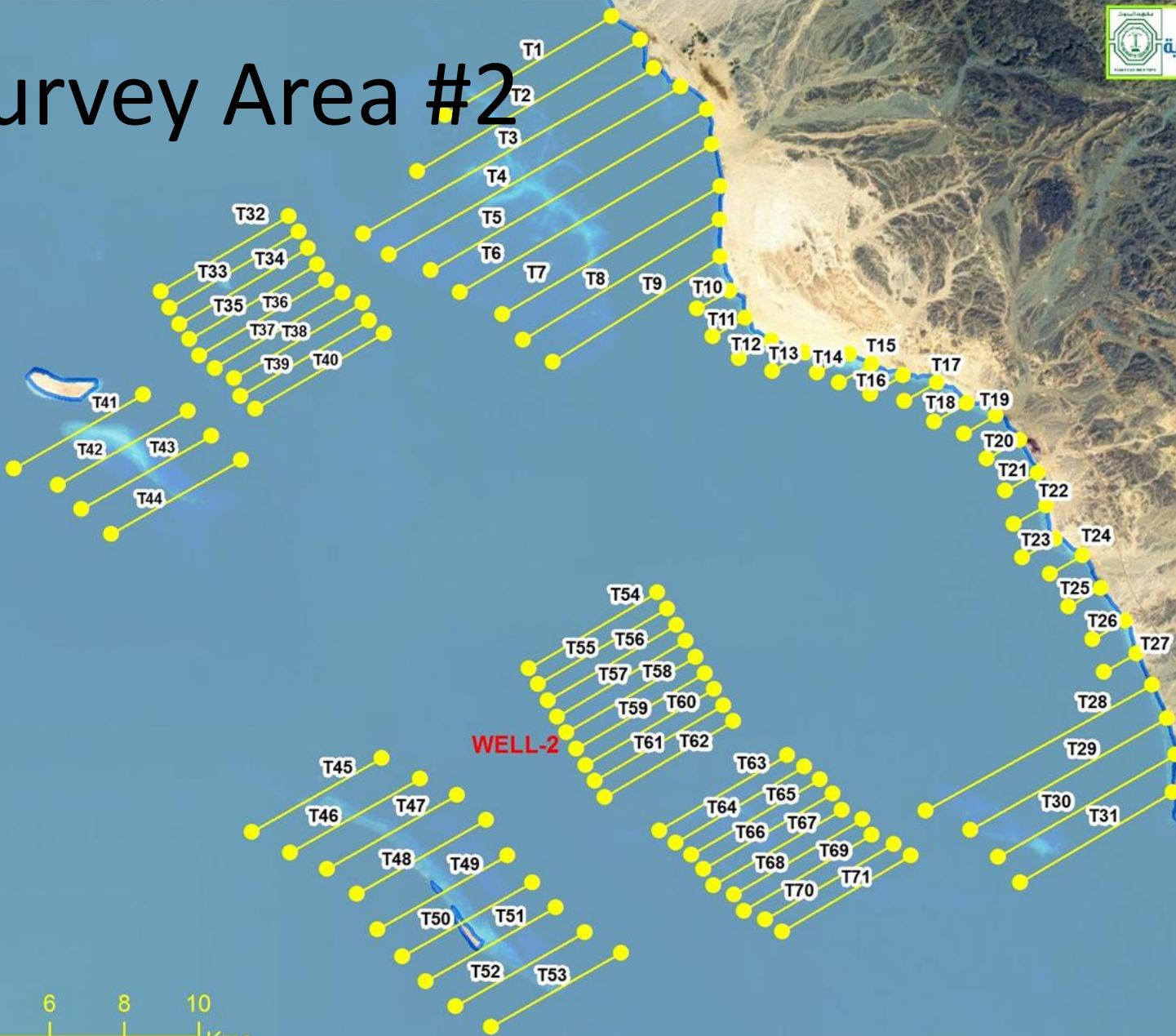


The Gear Chosen for the Job

Survey Area # 1



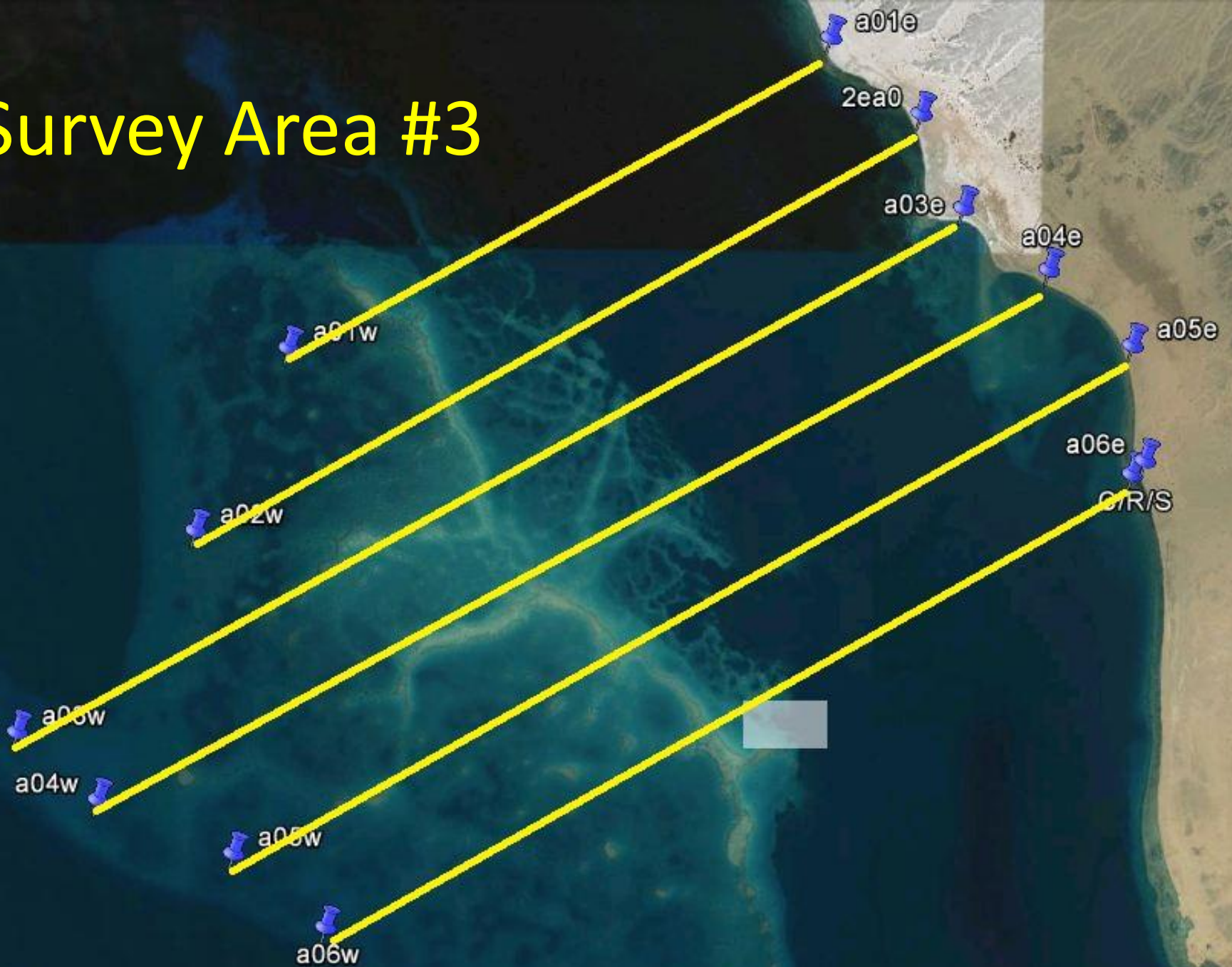
Survey Area #2



WELL-2



Survey Area #3



Unique On-Site Solutions



8/1/2011 11:21:40 AM

f30

H: 324 °

D: 2.22 m

Temp: 33.7 °C



8/12/2011 2:45:00 AM

Pos: 027° 39.1956' N 035° 17.5342' E

a51



H: 149 °

D: 4.36 m

Temp: 29.4 °C



8/15/2011 10:20:44 AM

Pos: 027° 50.9106' N 035° 17.2678' E

a02



H: 290 °

D: 4.23 m

Temp: 32.0 °C



Some of the Dives

