



Aerial Surveillance Technology and Capability



Surveillance

- Critical component of an effective response & regulatory communication
- Key learning point from Macondo.
- Recent incidents confirmed requirement:
 - Bohai Bay China
 - Gannet UK
 - Bonga Nigeria
 - Frade Brazil





UKCS Surveillance



- All weather capability
- Improved navigation systems
- Enhanced sensor
- Live video and voice feed
- High Quality Geo Referenced Resolution Digital stills







19MY2011 AUTO 12:19:38 UTC+0.0 500 DFLT AUTO 00 '8'1'9'2'0 2'1'2'2'2' TGT LOS 8'1'9'2'0 2'1'2'2'2' TGT LOS 827. FT PNM 1:13:36W ACFT 60:27:00N 182° 1:20:49W 2291FT

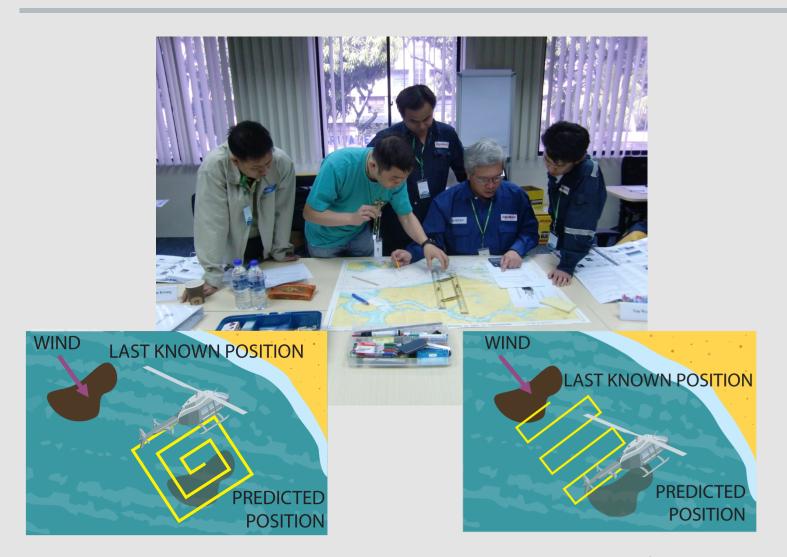
Conducting Effective Aerial Missions

- Notification
- Operational Environment
- Aircraft availability and suitability
- Clarity of mission
- Clarity of outputs





Mission Planning





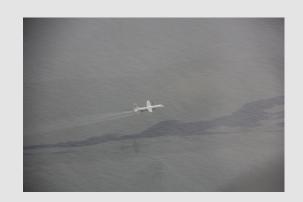


Missions

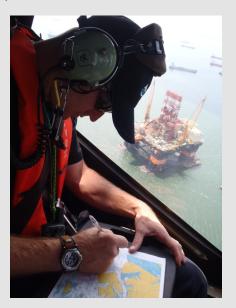
Verification



Monitoring



Quantification

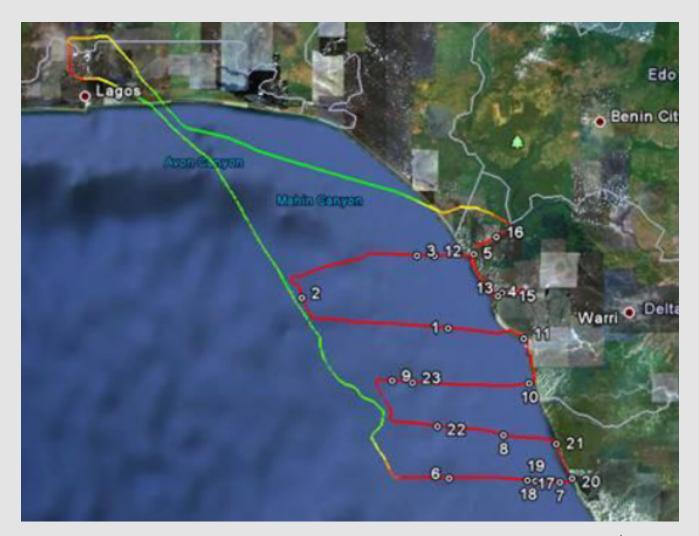


Operational Support





Mission Execution & Record





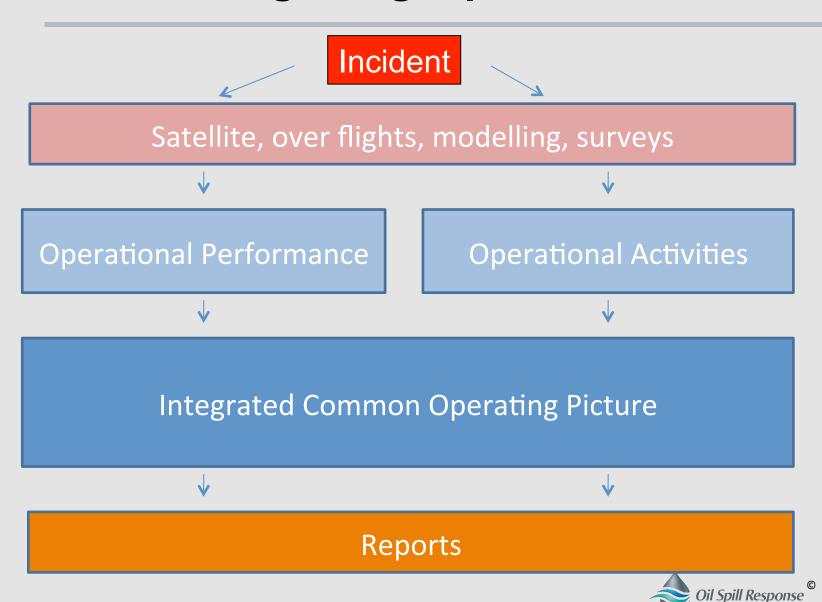


Geo-Referenced Images

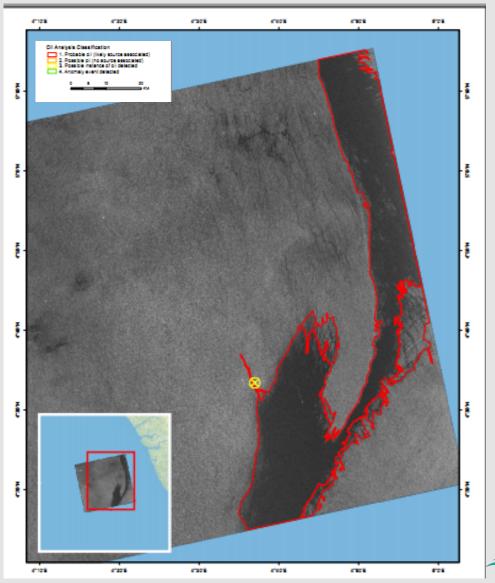




Integrating Inputs



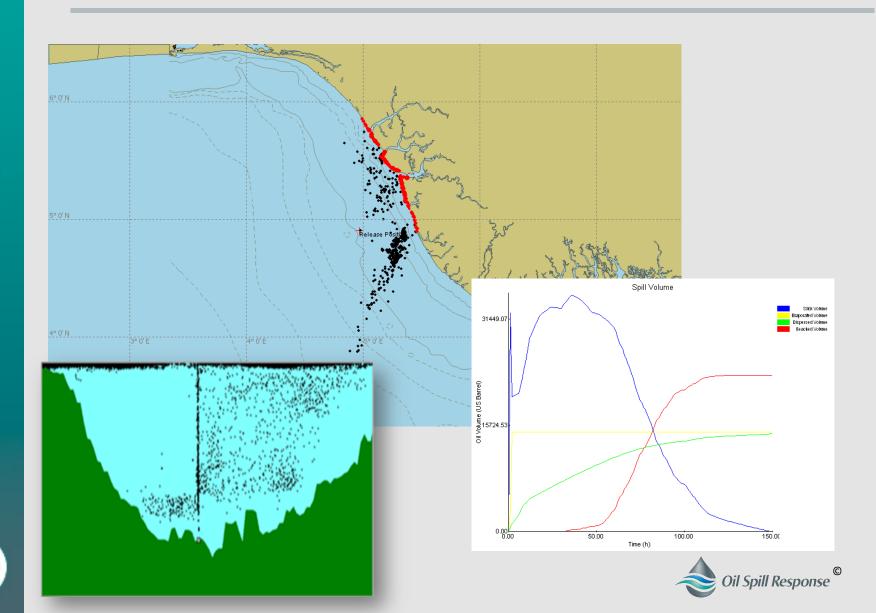
Satellite Images



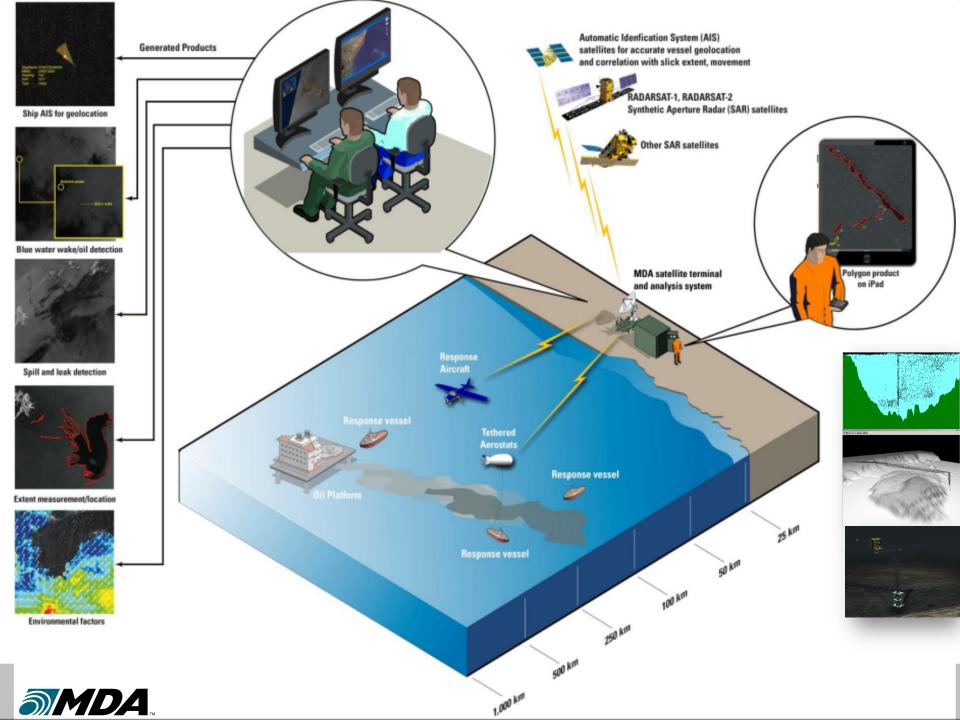




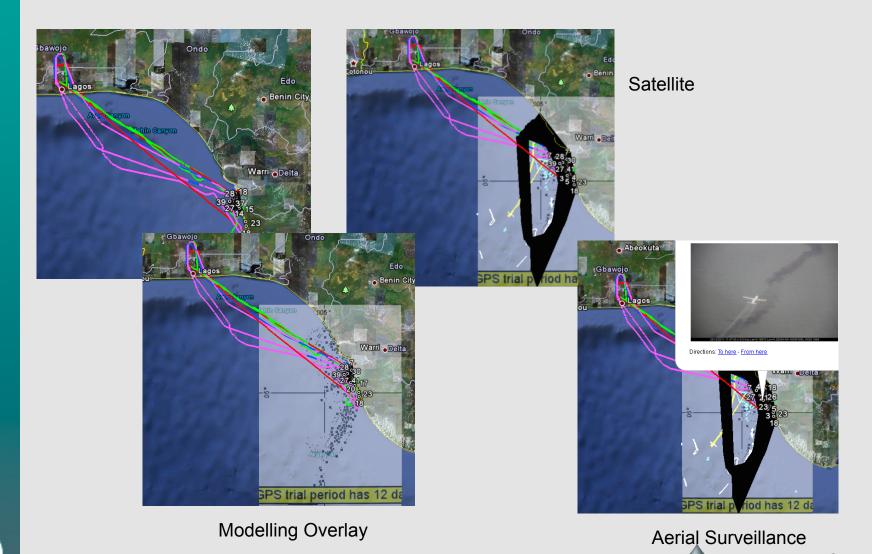
Modelling







A Picture Speaks a 1000 words!



Oil Spill Response



Summary

- The Common Operating Picture unifies the command.
- Outputs need to be agreed before the mission.
- Properly integrated expert skills improves the quality of results.
- Understand the end users.



