

OTM-078: Remote supervision of operations

Remote supervision of operations

Challenge

Challenge ID	OTM:078				
1 Title	Remote supervision of operations				
2 Theme ID	ON 5.4: Logistics planning and operations - Monitoring of assets				
3 Originator of Challenge	Onshore: OTM				
4 Challenge Reviewer / initiator					
General description		Overview of Challenge			
5 What is the nature of the challenge? (What is not adequately addressed at present?)	We often sub-contract large workpack elements in remote locations, or locations that are geographically far away from our main offices.				
6 Thematic information requirements	9. Obtain detailed imagery of assets,				
7 Nature of the challenge - What effect does this challenge have on operations?	It would be beneficial to us to be able to supervise our sub-contractors without the requirement for an on-the-ground representative. It would help us to ensure, for example, that regulations are being adhered to, logistical activity is occurring as prom				
8 What do you currently do to address this challenge?/ How is this challenge conventionally addressed?	We sometimes pay third-parties to validate sub-contractor work. Otherwise we need to be on site ourselves.				
9 What kind of solution do you envisage could address this challenge?	EO data can provide frequent, repeated information on the construction progress and detects delays in the construction phase.				
10 What is your view on the capability of technology to meet this need? – are you currently using EO tech? If not, why not?	EO could be a useful complimentary technology.				
Challenge classification					
11 Lifecycle stage	Pre license	Exp.	Dev.	Prod.	Decom.
Score from impact quantification [1]	4	4	4	4	4
12 Climate classification	NOT CLIMATE SPECIFIC				
13 Geographic context/restrictions	Generic onshore (Unspecified)				
14 Topographic classification / Offshore classification	Generic onshore (Unspecified)				
15 Seasonal variations	Any season				
16 Impact Area	HSE, operational cost reduction and efficiency				
17 Technology Urgency (How quickly does the user need the solution)	Immediately (0-2 years)				
Information requirements					
18 Update frequency	As close to real-time as possible				
19 Data Currently used					
20 Spatial resolution					
21 Thematic accuracy					
22 Example formats					
23 Timeliness	As close to real-time as possible				
24 Geographic Extent	asset areas / reservoir footprints				
25 Existing standards					

[1] Impact quantification scores: 4 – Critical/ enabling; 3 – Significant/ competitive advantage; 2 – Important but non-essential; 1 – Nice to have; 0 – No impact, need satisfied with existing technology

Relevant products

Content by label



There is no content with the specified labels

