Hatfield-5201: Monitoring assets for risk management

Monitoring assets for risk management

Challenge

Challenge ID:	HCP-5201	Originator:	Onshore: Hatfield
Title:	**Monitoring assets for risk management.**		
Theme:	ON 5.2: Logistics planning and operations - Support to surveying crews for planning surveys and H&S		
Consortium Lead:	Arup	Interviewed Company:	Arup
Geography:	ON.REG.00 - Generic onshore		
Challenge Description			
What is not possible / not adequately addressed at present?			
Assets include people, equipment, and buildings. Planning of site visits and need to mitigate any risks where appropriate by reducing the length and frequency of site visits. Staff, assets, and resources require monitoring during operations. Monitoring of 3rd party interference is important in remote, socially unstable locales.			
What effect does this challenge have on operations?			
Risks to personnel and equipment are important operational health and safety issues. Planning of site visits and management of existing facilities to reduce risks incurs significant costs.			
Thematic information requirements:	Distribution and status of infrastructure Distribution and status of assets		
What do you currently do to address this challenge? How is this challenge conventionally addressed?			
Security procedures and monitoring systems.			
What kind of solutions do you envisage could address this challenge?			
Near real-time monitoring, from space and UAV			
What is your view on the capability of technology to meet this need? Are you currently using EO tech? If not, why not?			
New technology - rapid improvements			

Challenge Classification

Impact on Lifecycle (0=none, 4=high):		Climate / Topography / Urgency:	
Pre-license:	0	Climate class:	Generic climate
Exploration:	2	Topographic class:	Not specific
Development:	3	Seasonal variations:	Any season
Production:	4	Impact area:	Health and Safety
Decommissioning:	3	Technology urgency:	2 - Short term (2-5 years)

Challenge Information Requirements

Update frequency:	Monthly to daily
Data currently used:	EO data currently typically only of limited usage e.g. for security planning
Spatial resolution:	License
Thematic accuracy:	Not specific
Required formats:	Not specific
Timeliness (Vintage):	Daily
Geographic extents:	License

Existing standards:	None

Relevant products

Content by label

There is no content with the specified labels