

Hatfield-5304: Baseline imagery for project planning and design

Baseline imagery for project planning and design

Challenge

Challenge ID:	HCP-5304	Originator:	Onshore: Hatfield
Title:	Baseline imagery for project planning and design.		
Theme:	ON 5.3: Logistics planning and operations - Facility siting, pipeline routing and roads development		
Consortium Lead:	Hatfield	Interviewed Company:	Hatfield
Geography:	ON.REG.00 - Generic onshore		
Challenge Description			
What is not possible / not adequately addressed at present?			
Base imagery are required with good positional accuracy to support engineering and infrastructure planning and design.			
What effect does this challenge have on operations?			
Information would reduce planning costs and uncertainty.			
Thematic information requirements:	Ortho base images		
What do you currently do to address this challenge?			
How is this challenge conventionally addressed?			
Detailed aerial surveys are typically carried out to collect photography and coincident LiDAR to achieve the best resolution possible.			
What kind of solutions do you envisage could address this challenge?			
High-resolution optical images.			
What is your view on the capability of technology to meet this need?			
Are you currently using EO tech? If not, why not?			
Already acquire images but could benefit from improvements in quality or cost reductions.			
Challenge Classification			
Impact on Lifecycle (0=none, 4=high):		Climate / Topography / Urgency:	
Pre-license:	0	Climate class:	Generic climate
Exploration:	3	Topographic class:	Not specific
Development:	4	Seasonal variations:	Any season
Production:	2	Impact area:	Environmental
Decommissioning:	1	Technology urgency:	2 - Short term (2-5 years)
Challenge Information Requirements			
Update frequency:	Snapshot to monthly		
Data currently used:	LiDAR, optical imagery, aerial imagery, elevation models		
Spatial resolution:	License		
Thematic accuracy:	Not specific		
Required formats:	Not specific		
Timeliness (Vintage):	Within six months		
Geographic extents:	Basin		

Existing standards:	None
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Relevant products

Content by label

There is no content with the specified labels