

SUBSEA TECHNOLOGY

How Can We Make Store Integrity Monitoring Affordable?

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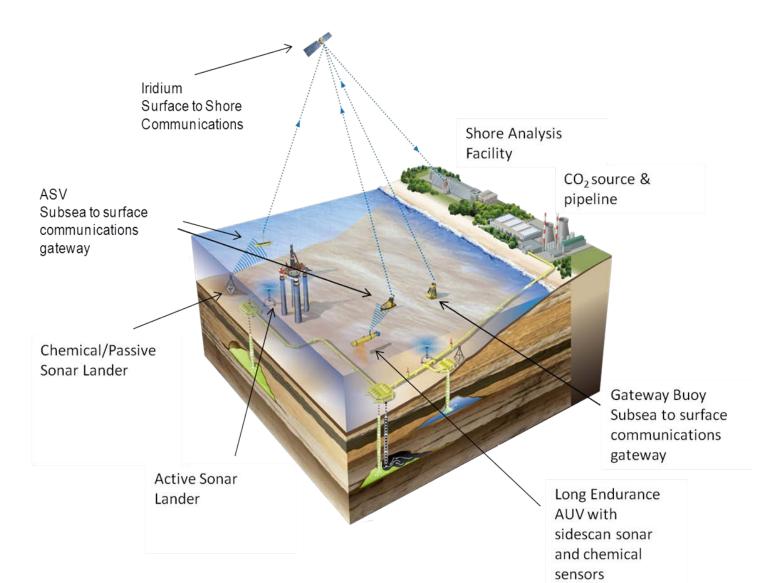
27thOctober 2020

POSITIONING NAVIGATION COMMUNICATION MONITORING IMAGING

What have we done?

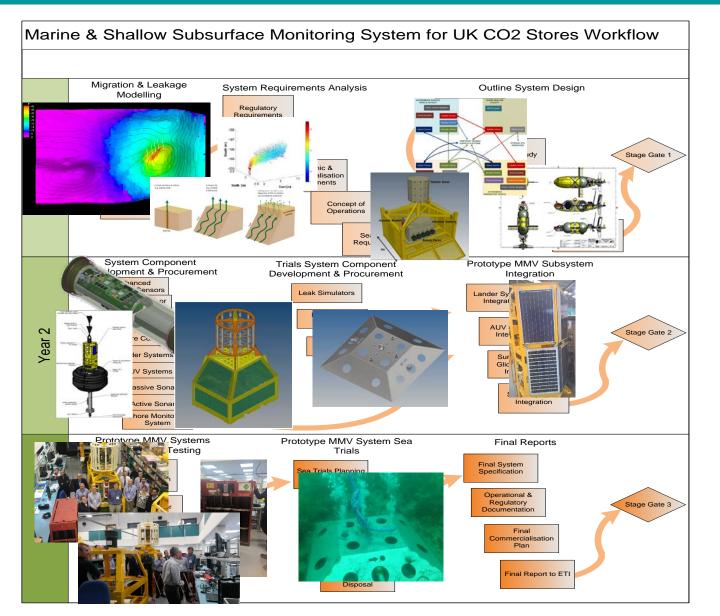


"The purpose of the Project is to develop and demonstrate a **costeffective** MMV system for **ongoing environmental assessment of emissions in the marine** and shallow subsurface environment in order that operators involved in the injection of carbon dioxide into the subsurface can meet the **legislative** requirements for such activities."



CCS – Baselining and Monitoring

What have we done?



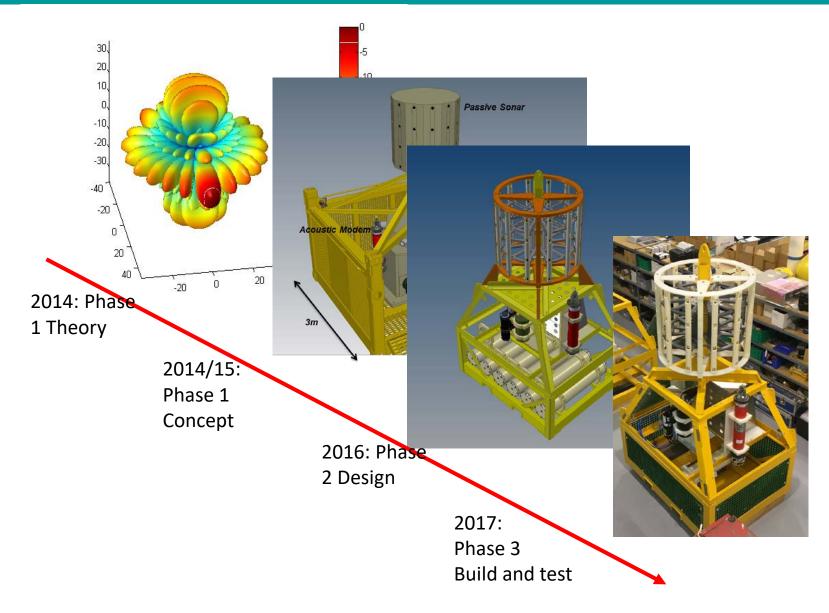
Modelling, define system requirements, outline design: firm price

Sub-system testing

Sea Trials

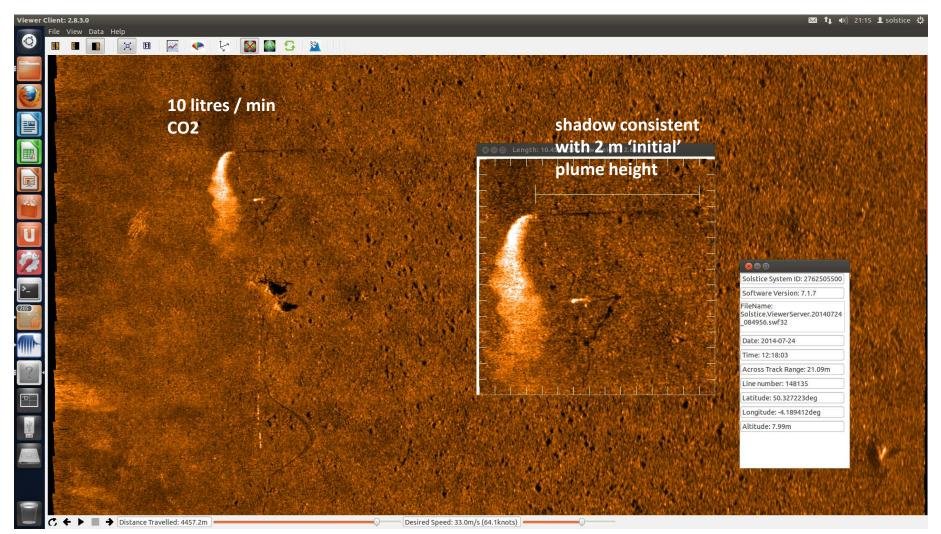
CCS – Baselining and Monitoring

What have we done?



Acoustic Monitoring

AUV Mounted

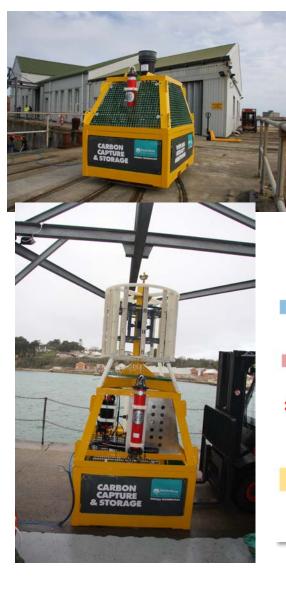


CCS – Baselining and Monitoring

Readiness Review

TECHNOLOGY READINESS LEVEL (TRL)

RESEARCH DEVELOPMENT DEPLOYMENT	9	ACTUAL SYSTEM PROVEN IN OPERATIONAL ENVIRONMENT
	8	SYSTEM COMPLETE AND QUALIFIED
	7	SYSTEM PROTOTYPE DEMONSTRATION IN OPERATIONAL ENVIRONMENT
	6	TECHNOLOGY DEMONSTRATED IN RELEVANT ENVIRONMENT
	5	TECHNOLOGY VALIDATED IN RELEVANT ENVIRONMENT
	4	TECHNOLOGY VALIDATED IN LAB
	3	EXPERIMENTAL PROOF OF CONCEPT
	2	TECHNOLOGY CONCEPT FORMULATED
	1	BASIC PRINCIPLES OBSERVED





Special Area of Conservation + 34MT Special Protection Area + 32MT Leak position 54° 2' 9.98"N, 0° 0' 21.30"W (13.2 km from - 11-045

Bridlington Harbour) 20 km² ALR Survey Area