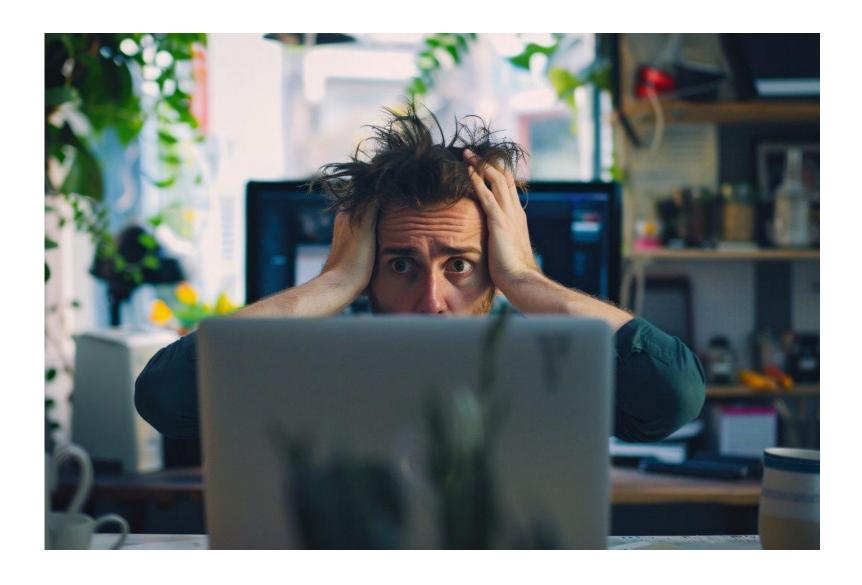




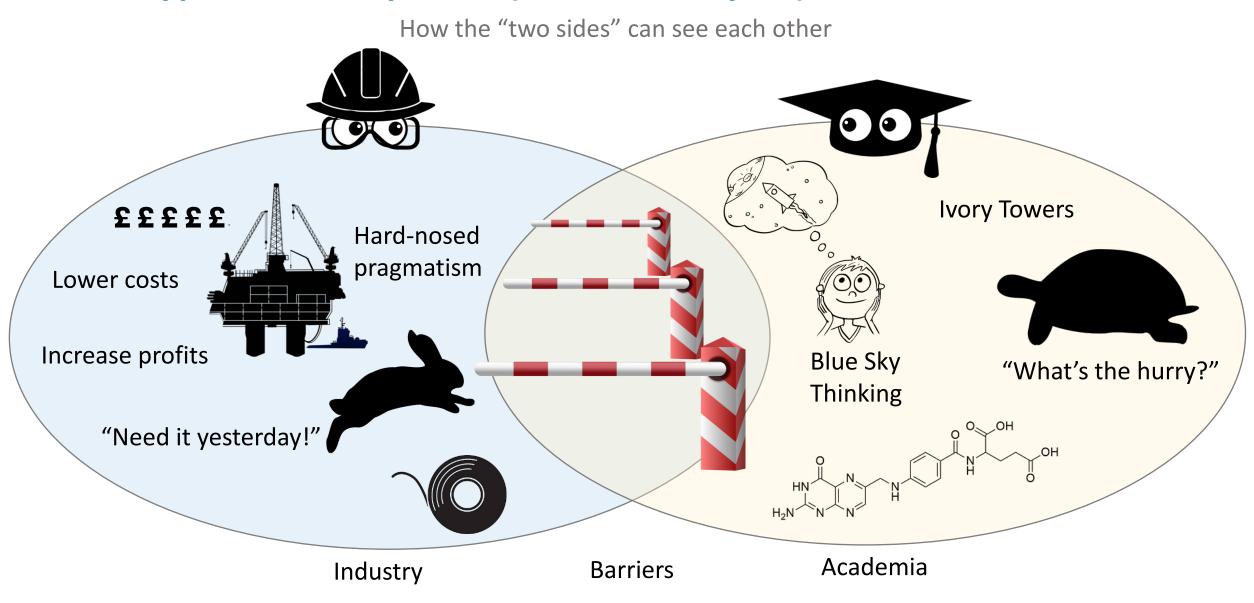
# A case study in successful industry-academia collaboration

Professor David Bucknall - Chair of Materials Chemistry, Heriot-Watt University, Edinburgh Dr. Andrew Jaffrey - Chief Technology Officer, Sentinel Subsea Ltd., Aberdeen

## What was the challenge?



#### **Stereotypes & Perceptions (however unjust)**



## **How did Sentinel find Heriot-Watt University?**

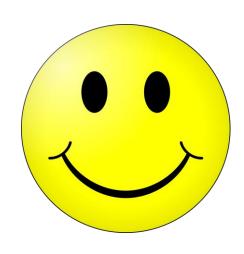












## Why did Sentinel choose Heriot-Watt University?

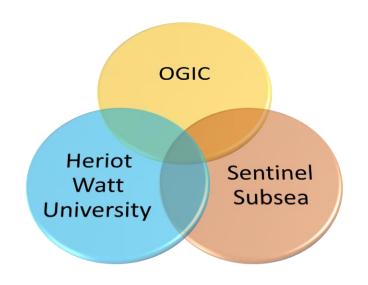


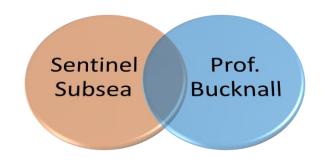


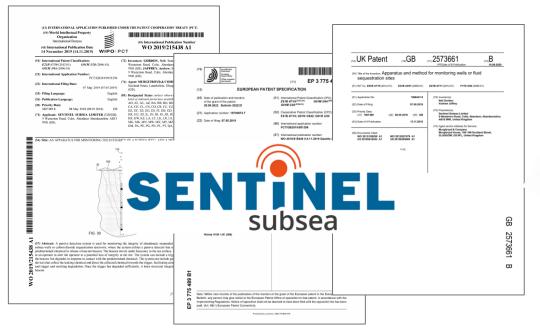


#### The 'awkward' bits...







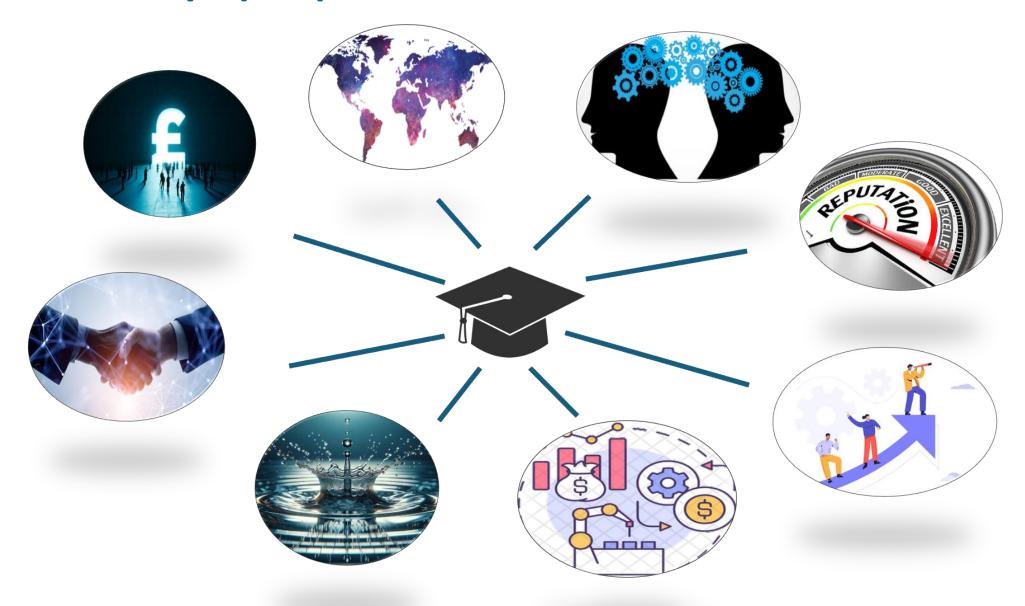




## Managing the relationship



## The university's perspective



### Collaborative track record speaks volumes

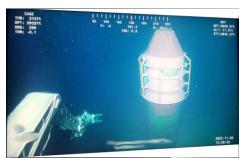
• Risks, costs and emissions reduced: saved some operators £10's M

Summary			
Companies	7		
Countries	5		
Styles	5		
Systems	19		

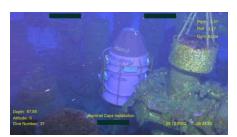
Regulator scrutiny
HSE / OPRED
BSEE
ANP
NOPSEMA

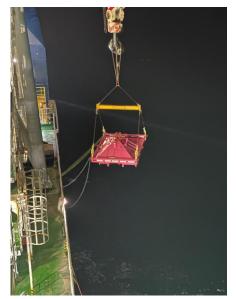
Year	Style(s)	Region(s)	Systems
2021	Coral	UKCS	1
2022	Coral	Campos Basin, GoM	9
2023	Coral, Hybrid, Clam	GoM, Caspian Sea, Timor Sea, UKCS	9















SPE Offshore Achievement Award winner 2023 and 2024

### What's next?



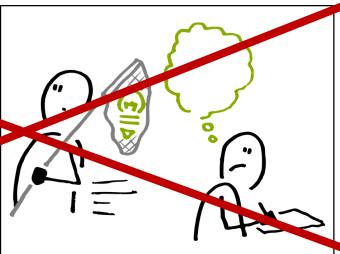
#### **Lessons learnt – the essentials**

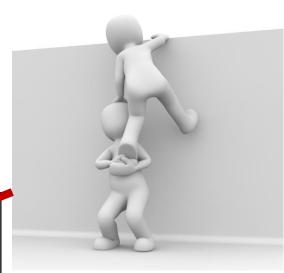








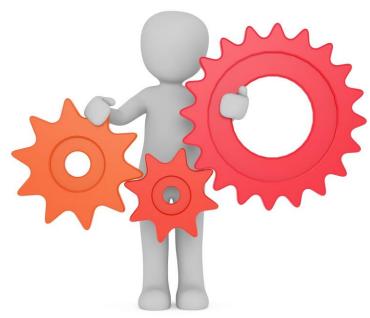




#### Recommendations







#### **Stereotypes & Perceptions – an Alternative view**

How the "two sides" can /do see each other



"They can do so many things we cannot ©"

"They are very smart people"

"Why didn't we do this sooner?"



"This is great for our Research Excellence Framework impact ©"

"Very relevant to our curricula and students' futures"

"Allows us to directly engage in addressing real world challenges"

Industry

Joint opportunity!

Academia





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