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To: [Sizewell C](#)
Subject: RE: EN010012 – The Sizewell C Project - FGS Update on ROVs - Unique Reference 20025603
Date: 03 September 2021 14:13:09
Attachments: [Sizewell C - Fish Guidance Systems Ltd - Update on ROVs - FGS Reference 1688R0501.pdf](#)

Good afternoon Siân / Jake,

Following Issue Specific Hearing 10, covering the marine environment and the AFD, we are writing to the Inspector to provide an update on 'recent' ROV developments, highlighting that ROVs capable of operating in the tidal conditions at Sizewell C have been developed and operated for over 3,500 diving hours. Our comments are in the report attached to this email (FGS Reference 1688R0501).

I trust the update is of assistance, but if there are any questions then please don't hesitate to come back to me and we will help in any way we can.

Best regards,

David

Dr D R Lambert
Managing Director



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Sizewell C Acoustic Fish Deterrent (AFD) Update on Remote Operated Vehicles (ROVs)

FGS Reference – 1688R0501

Overall Conclusions –

- **A new article confirms that work-class ROVs have been developed and demonstrated to operate in high flow conditions, more than double that will be encountered at Sizewell C (and also higher than will be encountered at Hinkley Point C)**
- **The ROVs incorporate 2D and 3D sonar to operate in low visibility conditions**
- **The ROVs also have two hydraulic manipulators to carry out maintenance tasks**
- While EDF states it has made a business decision not to install an AFD, we urge the Planning Inspectorate not to ignore UK Best Practice, when it is evidently possible to safely install, operate and maintain an AFD system to protect the marine environment for the next 60 years.

News Article

A recent article in Offshore-mag.com has highlighted the development of a new work-class ROV, specifically developed to operate in high flow conditions. The article can be found here-

[New work-class ROV can operate in harsh tidal environments | Offshore \(offshore-mag.com\)](https://www.offshore-mag.com/New-work-class-ROV-can-operate-in-harsh-tidal-environments-/Offshore-offshore-mag.com)

It states –

- An ROV for high flows was developed in 2019
- Four ROVs have now has operated for more than 3,500 dive hours
- It is designed to operate with speeds of up to 5 knots (2.57 m/s)
- This is more than double the maximum tidal flow at Sizewell C of 1.15 m/s, and is also more than 1 m/s higher than the maximum tidal flow at Hinkley Point C (1.5 m/s)
- Two of the ROVs have been demonstrated “keeping station” in currents exceeding 2.6 knots (1.34 m/s), still in excess of the maximum tidal flow at Sizewell C
- The ROV is designed to operate in low visibility conditions, being fitted with 2D and 3D sonar
- The ROV is a full capability work-class system, with two hydraulic manipulators

Dated: 3rd September, 2021