

Aytana

Aytana (SME)

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1. Aytana organization and capabilities

Aytana organization:

- Spin-off of the Cox Group that inherits the talent and projects in hydrogen with an experience of 25 years.
- Pioneering projects in the Hydrogen sector covering the entire value chain.
 - Hydrogen production through electrolysis and HRS: Sanlúcar la Mayor, Seville (2011) and Puerto de Sevilla (2015).
 - Technologist, integrator and main supplier of the AIP System for S-80 class submarines with Navantia.
 - Fuel Cell-based Power Plants
- Sector of interest: maritime, stationary applications, aeronautic/ aerospace, defense

Aytana Capabilities:

- Requirements Specifications
- Design
- Purchase and construction
- Validation & Qualification testing
- Integration
- Life cycle support (O&M)
- V&V Process and Certifications



2. Topics of interest in calls 2025

Topic	Experience and Contribution
HORIZON-JU-CLEANH2-2025-03-01: Configurable Fuel Cell Powertrain for Non-Road Mobile Machinery	Feasibility study, EPC, technology integration and validation & testing
HORIZON-JU-CLEANH2-2025-03-03 Reliable, efficient, scalable and lower cost 1 MW-scale PEMFC system for maritime applications	Feasibility study, EPC, technology integration and validation & testing (specifically for hydrogen systems in maritime applications)
HORIZON-JU-CLEANH2-2025-04-01: Demonstration of stationary fuel cells in renewable energy communities	Feasibility study, EPC, technology integration and validation & testing (Grasshopper Project and energy communities)
HORIZON-JU-CLEANH2-2025-06-01: Large-scale Hydrogen Valley	EPC experience from COX Energy