



H2ROAM

Hydrogen for Robust Off-road Application Modules

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ABOUT H2ROAM

H2ROAM develops modular hydrogen-powered powertrains for Non-Road Mobile Machinery (NRMM), enabling cleaner and more efficient operations in agriculture and port environments.

KEY GOALS



Demonstrate **fuel cell systems up to 220 kW (TRL6)**



Deliver **flexible, scalable powertrains**



Validate performance in **harsh real-world conditions**

Technologies are tested under extreme temperatures, humidity, dust, and heavy-duty operations to ensure robustness and reliability.

IMPACT



Supports **zero-emission machinery**



Reduces **environmental footprint**



Enables **cost-effective hydrogen adoption**

PROJECT INFO

Acronym	H2ROAM
Programme / Call	HORIZON-JU-CLEANH2-2025
Topic	HORIZON-JU-CLEANH2-2025-03-01
Type	RIA
Duration	48 months



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