



Newsletter #4

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ROBINSON'S TECHNICAL UPDATE

Since November 2022, the ROBINSON project has **known important advancements**. The project is approaching a pivotal phase, as it just crossed the third year of implementation in September 2022.

Partners of Work Package 2 on “Technologies adaption and development” are achieving significant progress. Key components of the demonstration site (i.e., AD-BES and CHP) are going to be delivered in Eigerøy in the next few months.

Project partners involved in Work Package 3 on “EMS for European Islands simulation and integration” completed a validation report of the EMS (Energy Management System) for Eigerøy island. A separate validation report of the EMS for the Follower Islands (Crete and Western Isles) will be completed in the next months.

Work Package 4 on “ROBINSON system demonstration on Eigerøy” activities are ongoing. Among the main achievements, the hydrogen production plan was recently installed in Eigerøy, Norway. An official opening ceremony will follow in February 2024.

Activities of Work Package 5 on “Sustainability assessment” achieved significant results. During the last twelve months, the following journal articles prepared by project partner PSI were published:

- [“Designing residential energy systems considering prospective costs and life cycle GHG emissions”](#)
- [“Decarbonisation of Geographical Islands and the Feasibility of Green Hydrogen Production Using Excess Electricity”](#)
- [“Optimal Economic and Environmental Design of Multi-Energy Systems”](#)

Work Packages 6 on “Business planning, replication” has known relevant progress with the publication of the [ROBINSON Evidence Base](#). The tool aims at supporting external decision makers in preparing replication plans.

As part of Work Package 7 on “Communication, Dissemination and Exploitation” ROBINSON was presented at more than forty events during the last year. More importantly, ROBINSON partners joined forces with other nine sister projects in the preparation and publication of a [White Paper on Replication](#). The aim of this initiative was to raise awareness around the challenges and opportunities in replicating sustainable projects.

During the last twelve months, partners also ensured the participation of ROBINSON at BRIDGE Working Groups on Business Modelling, Consumer and Citizen Engagement, Data Management, and Regulation.



NEWS FROM THE ROBINSON Project

Our General Assemblies at Month 30 and Month 36

Two General Assembly of ROBINSON took place this year, with the aim of discussing the status and next activities of the project. The General Assembly at

Month 30 took place in Savona, Italy, and it was followed by another meeting at Month 36 in Stornoway, Scotland.



Interview with ROBINSON project partner Technical University of Crete

The ROBINSON project aims at demonstrating the replicability of the modular Energy Management System and the developed concepts depending on the islands' needs on the Follower islands (Western Isles of Scotland and Crete). To learn more about the Robinson approach we have interviewed George Arampatzis and Nikolaos Savvakis from Technical University of Crete.



*George Arampatzis,
Associate Professor at
Technical University
of Crete*



*Nikolaos Savvakis,
Postdoctoral Research
Fellow at Technical
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ROBINSON UNDER THE SPOTLIGHTS

In 2023, the ROBINSON project was presented at relevant international conferences, such as [ETN's 19th Annual General Meeting and Workshop 2023](#), [ASME Turbo Expo 2023](#), [SUPEHR23](#), and [ETN's 11th International Gas Turbine Conference \(IGTC\)](#).

Partners will continue to promote the project and its numerous technologies.

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THE ROBINSON PROJECT CONSORTIUM



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