



# Clean energy for EU islands

100% Renewable Energy Island by 2030  
Trajectory Agreement  
Fejø, Denmark

This 100% Renewable Energy Island Trajectory Agreement (hereafter the **Trajectory Agreement**) has been drafted by and between the following Parties:

### **Beneficiary**

Fejø's Transition Team represented by:

- Finn Iversen, Fejøforeningen, Organisation type: association
- Jan Kofod Larsen, Fejøforeningen
- Henning Mogensen, Fejøforeningen
- Christa Kloch, Fejøforeningen
- Anne-Grethe Laursen, chairman of Fejøforeningen
- Vagn Kjær-Hansen, Fejøforeningen
- Tim Nikolaj Tannhof from Gate 21, Organisation type: renewable organization
- Rikke Jensen from Lolland municipality, Organisation type: public - government
- Laust Spandet Jensen from Fejø Frugt I/S, Organisation type: business - local
- Henrik Hesselberg from Fejø Letkøb, Organisation type: business - local

Hereafter referred to as the **Island Transition Team**, and

### **Technical Assistance Provider**

the Clean energy for EU islands secretariat, represented by

- Lucija Rakocevic, appointed as Island Manager
- Martina Cannata
- Søren Hermansen & Alexis Chatzimpiros, from Samsø Energy Academy
- Camille Dressler, from ESIN

Hereafter referred to as the **Secretariat**.

## **Introduction**

The Call for Application of Interest launched by the Clean energy for EU islands secretariat from June to October 2023 was targeted at EU islands holding the vision of becoming 100% renewable by 2030. With this Call, otherwise referred to as "30 for 2030", the secretariat aims at identifying a group of 30 islands to which to provide technical assistance over the course of three years, with the goal of supporting said islands in their goal of becoming fully renewable by 2030. Focus of the technical assistance is on maximizing the implementation of projects contributing to the goal of 100% RES by removing barriers and providing the missing elements. The island of Fejø applied to the call and passed the selection to become one of the 30 for 2030 islands.

The island's trajectory to becoming 100% renewable (hereafter: the **Island Trajectory**) was discussed and agreed upon during an online meeting that took place on 13/12/2023 between the Island Transition Team and the Secretariat. The Island Trajectory comprises the specific technical assistance that the Secretariat will provide, the workshops that representatives of the Island Transition Team will take part in, and the responsibilities of each involved Party for the successful implementation and completion of the trajectory.

The purpose of this Trajectory Agreement is to detail the Island Trajectory with a list of activities that will be implemented from now until December 2026. In addition, this Trajectory Agreement allows to set a common ground of understanding and establish the responsibilities of each of the involved Parties.

The Parties to this Agreement agree on the following:

## 1. Scope of Fejø 's Trajectory

During the interview and following communication, the Island Trajectory was discussed and detailed. The Parties agreed on the scope of the Trajectory (hereafter: the **Trajectory Scope**) and outlined the following activities as the core of the technical and financial assistance. The assistance provided by the Secretariat will consist of maximum overall 60 person-days (20 person-days per year) of expert services.

Activity name	Activity description	Estimated timeframe (year)
Feasibility study for two old windmills to be upgraded/replaced/relocated.	Legal, techno-economic, and environmental assessment.	January 2024 – December 2024
User engagement campaign design	Assess the need for help, and consequently design local engagement campaign.	April 2024 – September 2024 (needs assessment)
Feasibility assessment of PV and solar thermal	Assess the potential, legal (e.g. link it to building code), techno-economic assessment, ownership models	January 2024 – December 2024
Design of an implementation plan for the windturbines		September 2024 – September 2025

Design and delivery of engagement campaign, including energy saving	Design, starting with the engagement activities	September 2024 – December 2026
Design a business model charging infrastructure	Legal, techno-economic model	March 2024 (energy demand) – December 2024 (business model)
Need assessment for a storage device and flexibility to align with the wind turbine production	High-level assessment to assess whether there is a business case, assess whether there is a need. Assessment of disconnection potential: cost-benefit assessment.	October 2024 – March 2025
Technical study on charging station for the ferry on the island, near to port. The ferries for the three islands within the municipality will be replaced or retro-fitted, study is ongoing.	Map charging demand as a function of time, and assess connection capacity and potential inertia/storage needs.	June 2025 - December 2025

The following activities will require financial plans to be prepared to facilitate implementation of the project on the ground.

Activity name	Estimate timeframe (year)
Wind turbine replacement/upgrade	End of 2025
Financing of the electric ferry, including external financing, and funding.	End of 2026
Battery on the island	Mid 2026
Storage device	June 2026
PV and solar thermal	June 2026

By signing the Trajectory Agreement, the island agrees to cooperate with the Secretariat with a joint commitment to identify, develop and implement projects that will bring the island closer to the target of becoming 100% renewable.

This Trajectory Agreement does not legally bind the island to achieve 100% RES penetration by 2030. It is an engagement from the side of the island transition team, within their current roles on the island, to proactively cooperate with the Secretariat to mobilize crucial resources for the successful implementation of the projects outlined in this Trajectory Agreement.

## 2. Implementation

The Island Transition Team and the Secretariat are responsible for the execution of the activities listed in this Trajectory Agreement to the best of their abilities and within the agreed timeframe. For the successful completion of this Trajectory Agreement, proactiveness and responsiveness from all involved Parties shall be ensured at all times in order to avoid delays and jeopardize the final result.

Activity name	Milestone	Month/year
Energy demand mapped	M1	April 2024
Energy yield from PV, solar thermal, and wind mapped	M2	June 2024
Engagement campaign initiated	M3	September 2024
Implementation plan for wind-turbines ready	M4	September 2025
Financing closed for wind turbine and other activities mentioned previously	M5	January 2026

### INPUT AND DATA REQUIRED FOR THE ISLAND TRAJECTORY

The Island Transition Team is responsible for collecting, compiling, and sending the data and information needed by the Secretariat experts and requested through the Island manager from the Secretariat in a timely manner. The list below represents a non-exhaustive list of the initial input data and information that will be needed for the activities under this Trajectory Agreement. For each of the input data/information the estimated deadline is provided.

Input data	Format and description	Agreed due month/year
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Energy consumption data	Energy profiles in text or excel format, at least hourly basis for electricity	May 2024
Information on current wind turbine yield, location for new wind turbines	Locations on the map, size of the land parcels, inclination, limitations etc. Location of the grid substations would be useful.	February 2024
Information on the ferry electrification	Information on charging needs	January 2025

More data will be required as the Trajectory activities are implemented and further developed. New requests will be communicated by the island manager to the Island transition team and the timeframe for their delivery will be agreed upon.

The data shared with the Secretariat will be treated as confidential and only used for the implementation of the activities included in this Trajectory Agreement. The Secretariat will request consent to the Island Transition Team to use the data, the activity reports, the final report, or any outcome of this support as part of communication activities.

## YEARLY STOCKTAKE MEETING

During the implementation of the Island Trajectory, a stocktake meeting will be organised once per year to assess the progress of the Trajectory and the implemented activities. As a result of this assessment, the Trajectory Scope may be adapted. Changes to the Trajectory Scope will need to be agreed upon by the Island Transition Team and the Secretariat, in written format.

## WARNING SYSTEM

The Secretariat will issue up to **two warnings** to the Island Transition Team to take action in the event of:

- Non-responsiveness of the Island Transition Team;
- Failure to provide the requested data/information within the timeframe agreed between the Parties;
- Lack of cooperation or communication from the Island Transition Team; or
- Loss of members of the Island Transition Team (due to change of personnel, illness etc.) resulting in inaction or non-compliance with deadlines.

In the case that the Island Transition Team does not react to the issue raised in the warnings within a period of two weeks from the second warning, the Secretariat may decide to terminate this Transition Agreement. Under such an occurrence, a new transition team will

be formed, and this Transition Agreement will be amended and signed by the representatives of the new Island Transition Team.

### 3. Timing

Each activity within the Island Trajectory is considered complete once the activity report is finalised. The Island Trajectory is considered complete once all listed activities in this Transition Agreement are completed by December 2026, with no possible extension to this date.

The signature of this Transition Agreement is a requisite for the start of the work on the listed activities.

### 4. Workshops

Within the offer of the Clean energy for EU islands initiative, four in-person workshops are foreseen for each island/group of islands to attend over the course of three years. Based on the scope of the technical assistance defined through the activities listed in this Trajectory Agreement, the following workshops have been jointly selected for Fejo island to attend.

Workshop #	Topic	Indicative date
1	Impacts from onshore and offshore wind energy	Forum 2024
3	Battery storage available technologies, state of the market, investment, business plans	Forum 2025
19	Smart electricity systems for facilitating the decarbonization of the islands: demand-side management and flexibility	Forum 2024
14	Innovative application of the photovoltaic technology: agriphotovoltaic, solar carparks, floating PV, integrated PV in transport and infrastructures	January 2025

### 5. Collaboration with follower islands

During the period of implementation of this Transition Agreement, the Island Transition Team agrees to be open for collaboration with up to two follower islands. The follower islands will be involved in the Secretariat's activity on a specific topic from within the Island Trajectory for

a period of six months. The Secretariat will ensure that the topics will align in scope and timing with the activities detailed under this Transition Agreement.

## 6. Signature

By their signatures below, the Parties cause this Transition Agreement to be executed and effective as of the signature date:

### ISLAND TRANSITION TEAM

Finn Iversen, project manager, Fejø Date

Rikke Jensen, Lolland municipality Date

Laust Spandet Jensen, Fejø Frugt I/S Date

Henrik Hesselberg, Fejø-Letkøb Date

### CLEAN ENERGY FOR EU ISLANDS SECRETARIAT

Jan Cornillie, Director Date

Søren Hermansen Date

Camille Dressler



Date: 25 January 2024