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# **Frisian and Wadden Sea islands**

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Clean Energy for EU Islands Secretariat

# Insel- und Halligkonferenz e.V.

## – region and location -



### Islands:

Amrum, Föhr, Pellworm, Sylt, Helgoland

### Halligen:

Gröde, Hooge, Langeneß, Nordstrandischmoor, Oland

Halligen are small islands with only a small dike – landunder and sedimentation!

- around 36.000 inhabitants are living on these islands at the westcoast from Schleswig-Holstein (Germany)
- The islands and halligen are surrounded by the **Nationalpark** and **Biosphere Reserve** Schleswig-Holsteinisches Wattenmeers and Halligen
- and the **Wadden Sea World Heritage**.

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## – basic points –

### History

- 1996: communities from the northfrisian islands & halligen and Helgoland work together but without a fixed structure
- 2001: institution of an office as a first step to an independ association
- 2002: foundation of the association with staff: managing director (fulltime), secretary (halfitime)
- 26 members: all the communities from the northfrisian islands & halligen and island Helgoland (26 communities = 26 representatives)
- every mayor has one vote, independ from the number of inhabitants (10 to 18.000)
- 6 board members: Manfred Uekermann (chair, Sylt), Heidi Braun (vice-chair, Föhr), Elke Dethlefsen (Amrum) Heike Hinrichsen (Halligen und Pellworm), Rolf Speth (Sylt), Jörg Singer (Helgoland)

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## – goals and task of the association –

- promotion/ support sustainable development to protect our unique natural landscape and cultural assets (including ship safety, coastal protection, marine pollution, homeland maintenance);
- preservation and securing of the place to live by strengthening services of general interest (e.g. living space, work, health, education, infrastructure, social issues);
- Strengthening climate protection and the expansion of renewable energies;
- Continuation and implementation of sustainable regional development with future-oriented tourism;
- Exchange of experience: Network building and strengthening!
- Common promotion and lobby work on common issues and problems

**Together we are stronger!**

# Insel- und Halligkonferenz e.V.

## – climate protection projects –

### **Some examples**

- We gave the impulse for climate protection concepts on the islands
- We established an „energynetwork Uthlande“: exchange platform of knowledge and experience
- We supported the administrative district Northfrisia to develop a climate protection concept
- Common financing of common development and integrated projects within the region: e.g.: preparation of a „climate-friendly holiday flat“ certification, „climate protection concept with the administrative district Northfrisia“
- Now we would like to take a first steps into direction of a „Green Island Deal“

### **More information about the following island projects**

1. Föhr und Amrum: Inselwerk (Islandfacility) Föhr-Amrum GmbH
2. Helgoland: Greening the Island

# Inselwerk (Islandfacility) Föhr-Amrum GmbH:

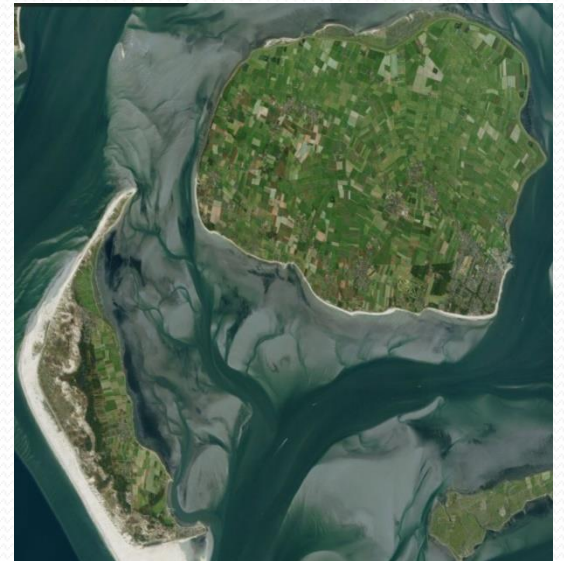
## Foundation of a municipal power company for the islands Föhr & Amrum

### background

- Energy transition and climate protection goals (federal government, federal state, administrative district)
- Decentralization and regionalisation of the power economy
- Since 2019: conception of a communal power municipal power company for the islands Föhr and Amrum

### objectives

- Construction of a climate friendly (CO<sub>2</sub>-neutral) energy supply for the islands
- Strengthening of the local economy
- Establishment of innovative and sustainable technologies on the islands
- Civic participation and participation on the energy transition



# Inselwerk GmbH: field of activity and structure

## field of activity

- Operation of power- and gasnets on Föhr and Amrum
- Production and und distribution from power and heat
- Construction of island overlapping infrastructure
- Exploitation and use of new power-sources

## structure

- Inselwerk GmbH as Holding (100% municipal property)
  - Distribution of the fields of acitvity in subcompanies
  - Expansion of the fields of acitvity are planned
  - cooperationen with (private) partners is intended
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# Inselwerk GmbH: structure

Inselwerk Föhr-Amrum  
GmbH

participation

- Administrative office Föhr-Amrum GmbH: 51%
- Municipalities Föhr-Amrum: 49%

Heat  
Inselwärme  
GmbH

Grid  
Inselnetz  
GmbH

Electricity  
Inselstrom  
GmbH

Mobility  
Inselmobil GmbH  
(Mobilität)

Other activity  
Weitere  
Geschäftsfelder

field of activity

- Heat production (BHKW; Biomasse, etc.)
- Heat distribution/ - net
- Heatcontracting

participation

- Inselwerk-Föhr-Amrum GmbH: min. 25,1 %
- other local partners

field of activity

- Operation and owner electricity grid Föhr und Amrum

participation

- Inselwerk-Föhr-Amrum GmbH: 51 %
- other partners (SH-Netz)

field of activity

- Production (PV, Windenergie, Biomasse, etc.)
- marketing
- distribution

participation

- Inselwerk-Föhr-Amrum GmbH min. 25,1 %
- other local partners

coordinateion:

- other partners

Possible fields of activity

- digitalisation (Smart City)
- Power center/ research facility/ research cooperation
- digitalisation
- cooperation/ contracting for residential economy
- cooperation / contracting for health system



# Inselwerk GmbH: timetable

## Previous stations

- Spring 2019: first concideration
- September 2019: basic decision in communities (Amtsausschuss)
- Mai 2020: permission of foundation (Kommunalaufsicht)
- September 2020: decisions of foundations (Communities and Amtsausschuss)

## Next steps

- November 2020:
  - Final permission of foundation Kommunalaufsicht
  - Foundation Inselwerk Föhr-Amrum GmbH

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# Helgoland on a Zero Emission Journey until 2030



- 100 % Led-Lighting ( 2016 )
- 70 New Homes for 160 islanders - 40% less CO<sub>2</sub> ( 2020 )
- Townhall renovation, 50% Energy Savings, ( 2020 )
- True e-Mobily island for 50 years,
- Maritime Artificial Intelligence Research (2019)
- „Green Ster“, we reward sustainable tourism ( 2019 )
- e-Ferry Tender goes online 10/2021 EU-wide ( 2022 )
- Launch of „Island-Climate-Footprint Navigator“ (2021)
- Feasability Study „Waste-to-Hydrogen-Solution“ (2020)
- Concept for green „Seafright supply“ (2021)
- WindPower-to-Heat-Solution (2026)
- Provision of Hydrogen for our Island Partners (2027)

de green  steer





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# Let's collaborate and greenergize us!

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