Programmes and Projects

Energy Initiatives

1. Friese Energietafel and Energy Vision
The Province of Fryslân collaborates with municipalities and stakeholders through the Friese Energietafel to develop an integrated energy infrastructure. This includes the creation of energy hubs, battery storage policies, and the promotion of green gas and aquathermal energy solutions. The province aims to generate 33% of its energy consumption from renewable sources by 2030 and achieve fossil fuel independence by 2050.

2. Fûns Skjinne Fryske Enerzjy (FSFE)
Established in 2014, the FSFE is a fund that provides financial support for sustainable energy projects in Fryslân. It offers loans and participations for initiatives such as local ownership in solar and wind projects, mono-manure digesters, and energy storage solutions. The fund has invested €130 million over the past decade and is proposed to be extended until 2034.

3. Windpark Fryslân
Windpark Fryslân is the largest wind farm in the world situated in an inland water body, the IJsselmeer. Comprising 89 turbines with a total capacity of 383 MW, it produces approximately 1.5 terawatt-hours annually, supplying green electricity to around 500,000 households. The Province of Fryslân holds a 15% stake in this project, which significantly contributes to the province's renewable energy targets.

Circular Economy Projects

4. Fryske Hemp Fiber Deal
In October 2024, over 30 parties, including Frisian housing corporations, construction companies, and local authorities, signed the Fryske Hemp Fiber Deal. This agreement commits to using locally-produced hemp fiber insulation in at least 1,000 construction and renovation projects throughout Fryslân. The initiative supports the development of a regional hemp fiber chain, promoting sustainable building practices and providing new income streams for farmers.

5. It Swettehûs: Circular Innovation in Infrastructure
It Swettehûs is a circular bridge control centre in Leeuwarden, exemplifying how circular building practices can be embedded into critical infrastructure. Led by the Province of Fryslân, the project utilised 44% reused materials and 12% biobased materials, achieving energy self-sufficiency. It serves as a showcase for circular procurement and sustainable public infrastructure.

6. Circular Procurement Pilot (Circ-NSR Project)
As part of the Circ-NSR project, the Province of Fryslân focuses on circular procurement to accelerate the transition to a circular economy. Public authorities in Fryslân have agreed on a common ambition towards circular purchasing, aiming for maximal circular procurement by 2025. This includes purchasing at least 10% of physical products circularly and opting for circularly produced street furniture.

Climate and Sustainable Heating Projects

7. Wetterwaarmte Programme
Wetterwaarmte is a collaborative programme between the Province of Fryslân, Wetterskip Fryslân, and several municipalities, aiming to accelerate the transition to sustainable heating through aquathermal energy. The programme supports various projects, including the Interreg-funded WaterWarmth and AquaCOM, to explore and implement aquathermal solutions for heating needs.

8. Interreg AquaCOM
AquaCOM is an Interreg North-West Europe project focusing on the introduction of small-scale aquathermal systems by local energy communities. The project provides guidelines covering governance, financial models, and technical aspects, along with training and activities to equip local initiatives and governments in developing aquathermal systems.

9. Interreg WaterWarmth
WaterWarmth is an Interreg North Sea Region project that develops pilots and examples showcasing the potential of aquathermal energy. The goal is to assist energy communities in integrating aquathermal energy into their operations, ensuring citizens benefit from the energy transition. The Province of Fryslân is a key partner in this project.

10. Interreg NESSIE
NESSIE (New Skills & Spaces Impulse for the Education of aspiring energy-transition installers) aims to increase the workforce and accelerate the necessary skills for the energy transition. The project improves technical education and training curricula by offering rapid yet responsible quality enhancements. It facilitates collaboration between leading energy transition regions, pioneer installers, and local/regional vocational schools.