



The Just Transition Fund (JTF) - Fund for a Just Transition - is a European grant fund for areas hardest hit by the transition to a green economy. The JTF stems from the European Green Deal, the program for a climate-neutral Europe by 2050. To achieve this transition in the Northern Netherlands, 330 million euros have been pledged until 2027. Now and in the coming years, several grants will be made available from the JTF.

INSPIRING JTF-PROJECTS IN THE NORTH OF THE NETHERLANDS

From the JTF we support wonderful innovative projects with grants. In this way, we are working hard in the northern Netherlands, and specifically in the Groningen-Emmen region, to further green the economy and invest in the employment of the future.





H₂ TRAIN AND LEARN HUB

	JTF-grant Amount JTF	Labor Market Transition € 5.000.000,-
	Transition	Fossil to renewable energy Linear to circular economy
	Project partners	New Energy Coalition Hanze University Groningen Noorderpoort College Alfa College Drenthe College NHL Stenden University of Groningen (RUG)
	More information	www.newenergycoalition.org

The H₂ Train & Learn Hub program is an unprecedented integrated approach to thematic education, research, training and (re)education at all levels of learning. Innovative in the program to be developed is the so-called “challenged-based learning” in which students of all levels and diverse disciplines work together on concrete business assignments, under expert guidance from the education system. Because students are already involved in these kinds of processes during their studies, they experience what it is like in the real world of energy transition. The knowledge and innovativeness in both education and application in companies in the region are thus raised to a higher level and develop an exemplary position within the Hydrogen Valley.



GREENWISE CAMPUS

GreenWise Campus is the network for knowledge development, innovation and entrepreneurship. Here, companies, educational organizations, governments, students and residents join forces and work together on green and smart solutions for today and tomorrow. Such as greening the chemical industry, new energy sources for industry, solutions to the personnel shortage or application of high-tech materials in the manufacturing industry. In this way, in and around Emmen, in the South and East Drenthe region, they are together giving direction to a smart and sustainable future for a vital region.

The innovation center is the beating heart in the development of GreenWise Campus. With the JTF grant, GreenWise Campus aims to develop a vibrant meeting place here where you will learn, discover and be challenged. Where research and innovations for smart and green solutions are made accessible to everyone. With living labs in the four application areas:

circular plastics, smart manufacturing, energy/hydrogen, healthcare and wellness and technology. GreenWise Campus also develops - together with the business community - modern, flexible and innovative education, continuous curricula and lifelong development initiatives. In addition to the inspiring physical innovation center, an online campus (platform) will be realized.

	JTF-grant Amount JTF EZK co-financing	Training infrastructure and campus activities € 5.000.000,- € 5.000.000,-
	Transition	Linear to circular economy Care to positive health
	Projectpartners	NHL Stenden Regional Training Center Drenthe College Municipality of Emmen Province of Drenthe University of Groningen (RUG) Foundation GreenWise Campus
	More information	www.greenwisecampus.nl



BIOTEKK

The Emmen company Senbis, together with knowledge institutions in the coming years in research into sustainable plastics through the BIOTEKK project. With a JTF contribution, BIOTEKK focuses on the development of biodegradable polymers (plastics) and products made from them. With this, the project aims to provide a solution against (micro)plastic pollution.

Gerard Nijhoving, director Senbis:

“Emmen has become big because of the industry focusing on polyesters, nylon and yarns. That is exactly what we want to develop a sustainable future for with this research. An important spearhead is an alternative to polyester in our clothing, which is in fact a gigantic source of (micro)plastic pollution. Just look in the filters of your washing machine or dryer. That’s just the fraction you do catch. The volumes are staggering. I think we have a good chance of coming up with a solution thanks to the unique expertise that the different partners bring. What is further special about the project is that we are going to use AI (Artificial Intelligence) to accelerate our research and let us “think” about the design of the molecules. If this innovation succeeds, it will have a global impact and soon everyone will be wearing responsible clothing that, like bluetooth, was developed in Emmen.”

Willemien Meeuwissen, province deputy:

“In Drenthe, greening and sustainability is high on the agenda. We work well together in the North in this regard. Knowledge development such as this from BIOTEKK is necessary to shape the transition to a green economy. I hope it is an incentive for other companies that BIOTEKK has received this first JTF grant in Drenthe.”



Guido Rink, Emmen City Councilor:

“Wonderful that the first JTF grant in Drenthe has ended up within the innovative green chemistry cluster in Emmen as part of Chemport Europe. We see more and more confirmation that we have an innovative and attractive entrepreneurial climate in Emmen. I am therefore enormously proud that ideas like those of BIOTEKK are being turned into practical implementation through cooperation of various parties in our municipality.”

	JTF-grant	Knowledge Development and Valorization
	Transition	Linear to circular economy Analog to digital
	Project partners	Senbis Polymer Innovations B.V. Senbis Sustainable Products B.V. Faculty of Science and Engineering University of Groningen (RUG) TNO Wageningen University & Research (WUR) NHL Stenden
	More information	www.senbis.com
	In the media	www.rtvddrenthe.nl Eerste JTF-subsidie in Drenthe voor project BIOTEKK voor transitie naar groene economie



NORTH WATER



A joint industrial and equipment supply for circular companies in Oosterhorn (Delfzijl). That is the goal of North Water, a joint venture of Evides Industriewater and Water Company Groningen. Good sources of drinking water are becoming increasingly scarce. That is why the industry has to look for sustainable alternatives. North Water plays an important role in this by offering industrial companies circular alternatives. With the JTF contribution, North Water is laying phased public ring mains for (circular) industrial water, demineralized water and waste water in the industrial area of Groningen Seaports. This will create a ‘public infrastructure’ on which companies can connect to this shared, sustainable supply in the coming years.

■ **Perry van der Marel, managing director North Water:**
‘Water is increasingly a limiting factor for industry. Providing industrial and wastewater facilities increases the attractiveness for companies to locate here’

€	JTF-grant Amount JTF	Peripheral infrastructure € 9.632.635,-
🔄	Transition	Linear to circular economy
👥	Project partners	North Water B.V.
i	More information	www.northwater.nl



IMPACT-IMPLANTS

This project is conducting proof-of-concept research on personal, customized implants, for jaw, airway, pelvis, knee and wrist, among others. This should eventually lead to a new generation of personal implants, available to a broad patient group.

Consider the treatment of vulnerable patients with facial cancer, severe trauma or disabling positional abnormalities of bone or bone tumors. This requires a new approach focused on the individual patient. It involves the use of advanced digital technology, including 3D imaging. Combined with patient-specific data such as bite force, patterns and other movements.

€	JTF-grant Amount JTF	Knowledge Development and Valorization € 2.184.620,- EZK co-financing € 1.472.778,-
🔄	Transition	Care to positive health
👥	Project partners	Universitair Medisch Centrum Groningen (UMCG) Bether Encapsulates B.V. Baat Medical Products B.V. Rijksuniversiteit Groningen (RUG)
i	More information	www.umcg.nl



BIOMPG



GreenGlycols focuses on sustainable biobased solutions that allow potential customers to green their product. How? By replacing traditional fossil raw or auxiliary materials with the biobased alternative BioMPG. GreenGlycols, which originated from ChemCom’s vision and strategy, receives a JTF grant of some €7 million for this newly to be developed project in Groningen Seaports. Exactly one year after EU Commissioner Elisa Ferreira visited ChemCom in Groningen Seaports. BioMPG aims at significant CO₂ reduction and less dependence on fossil raw materials.

In time, GreenGlycols is one of the companies that will use North Water’s infrastructure. At the same time, there is reciprocity because the construction of a collective distribution network can be developed thanks to the needs of companies like GreenGlycols. In this way, cooperation is taking place for future-oriented, sustainable developments in the region.

€	JTF-grant Amount JTF	Investment and training € 7.033.194,-
🔄	Transition	Fossil to renewable energy Linear to circular economy
👥	Project partners	GreenGlycols
i	More information	www.chemcom.eu
📺	In the media	www.rtvnoord.nl In Farmsum wordt binnenkort een groen ingrediënt voor crèmes en badkuipen gemaakt.



FAST TRACK TO TRANSITION



JTF-grant
Amount JTF Labor Market Transition
€ 620.632,-



Transition
Fossil to renewable energy
Linear to circular economy



Project partners
Dok4 Holding B.V.
GAP Academy B.V.
CW Techniek B.V.



More information www.dok-4.nl

The Fast Track to Transition project is developing a digital portal that will offer hybrid and differentiated training modules to unemployed, benefit recipients, workers and school leavers. This will train untapped labor potential in a profession in high demand within the climate transition, such as solar panel installers. In addition to attending the training modules, participants also help improve the modules.



TIDALKITE 2.0

North Netherlands-based SeaCurrent is generating clean electricity with the TidalKite 2.0, an underwater system for tidal and ocean currents. They have tested a successful scale model in the Wadden Sea and are now receiving a €1,446,640 grant for the development of a full-scale TidalKite Power Plant demonstrator 2.0, planned for 2025.

SeaCurrent aims to reduce the cost price of TidalKite electricity by 20% and is working on this together with the University of Groningen and TCNN. The TidalKite 2.0 project focuses on design improvements, construction supervision, testing and demonstration of the TidalKite 2.0 subsystems, with a focus on higher energy production, effective maintenance and digitization.



JTF-grant
Amount JTF Knowledge Development and
EZK co-financing Valorization
€ 864.100,-
€ 582.539,-



Transition
Fossil to renewable energy
Linear to circular economy



Project partners
University of Groningen (RUG)
Foundation TechnologieCentrum
North of the Netherlands
SeaCurrent Holding B.V.



More information www.seacurrent.com



FLOATING WIND



Fiber manufacturer Teijin Aramid of Delfzijl and cable manufacturer FibreMax of Joure are working jointly on the Floating Wind project. Floating Wind involves generating wind energy with floating wind turbines. Specialist anchor cables (tendons) are needed to anchor these structures to the seabed. With the grant received, FibreMax and Teijin Aramid are focusing on developing these tendons based on circular synthetic fibers, an advanced alternative to steel anchor cables.

With these advanced tendons, FibreMax and Teijin Aramid are taking a step into the future of offshore wind energy.

■ Sander van Helvoort, Director Renewable Energy

FibreMax

"FibreMax's cables are carefully manufactured using our revolutionary endless winding technology, which ensures that the parallel fibers have exceptional strength and consistency.

Unlike traditional braided cables, our cables exhibit strength, stiffness and resistance to fatigue and abrasion. This makes them ideal for the challenging conditions of floating offshore to generate wind in areas where the sea is deeper than 60 meters."

The patented product sets new industry standards. Together with the provinces of Friesland and Groningen, FibreMax and Teijin Aramid want to accelerate the energy transition, create a resilient labor market and promote sustainable working. Because of the circularity of the fibers, the tendons are not only robust but also environmentally friendly.



JTF-grant
Amount JTF Knowledge Development and
EZK co-financing Valorization
€ 2.389.261,-
€ 1.610.738,-



Transition
Fossil to renewable energy
Linear to circular economy



Project partners
Teijin Aramid Delfzijl en Emmen
FibreMax Joure
Cabin Air Group B.V.
Smartrigging B.V.



More information www.dvhn.nl
Miljoenen uit Europa voor in
Joure en Delfzijl gemaakte kabels
voor drijvende windparken





BIOBTX



BioBTX, together with Eindhoven University of Technology, University of Groningen and with assistance from ASQA Grants, has been awarded a JTF grant of €2.8 million to further develop technology to convert mixtures of biomass and plastic waste into valuable chemicals. The grant will allow BioBTX to focus on developing technology to process streams of both biomass and plastic waste in various compositions and ratios into BTX and other high-value, green chemicals. Together with the research groups of the two universities, the company can take the next steps in developing and improving BioBTX ICCP technology.

■ Cor Kamminga, CEO of BioBTX:

"We are very pleased to be the recipient of this JTF grant. It is an important milestone in our mission to develop state-of-the-art technology for renewable chemicals. This allows us to actively contribute to a circular economy and make progress in reducing waste while creating sustainable jobs."



JTF-grant

Knowledge Development and Valorization



Amount JTF

€ 2.804.031,-



Transition

Fossil to renewable energy
Linear to circular economy



Project partners

BioBTX
PCP B.V.
University of Groningen (RUG)
Technical University of Eindhoven



More information www.biobtx.com



WANT TO KNOW MORE?

Want to learn more about the Just Transition Fund and its grants? Go to www.snn.nl/jtfnoordnederland.

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JTF

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Fund



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en Klimaat



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Werk
inZicht

