Interreg North Sea Region Decom Tools
European Regional Development Fund
EUROPEAN UNION

PARTNERS

University of Applied Sciences HOCHSCHULE EMDEN·LEER

De Lauwershorst Groep

ENERGY INNOVATION CLUSTER

FYNS MARITIME KLYNGE
EN DEL AF ERHVERVSHUSFYN

HWWI Hamburg Institute of International Economics

New Energy Coalition

Port of Grenaa
Support your business

Port Oostende

POM

SAMSØ KOMMUNE

1495 UNIVERSITY OF ABERDEEN

everything has value.
Viröl

Western Norway University of Applied Sciences

DECOM TOOLS is co-financed by the European Union's European Regional Development Fund – Interreg North Sea Region Programme

Interreg North Sea Region Decom Tools
European Regional Development Fund
EUROPEAN UNION

CONTACT US

Stephan Kotzur

University of Applied Sciences Emden / Leer
Constantiaplatz 4
26723 Emden
Germany

+49 151 1527 0903
stephan.kotzur@hs-emden-leer.de

READ MORE AT

northsearegion.eu/decomtools

Interreg North Sea Region Decom Tools
European Regional Development Fund
EUROPEAN UNION

DECOM TOOLS

photo: frans lemmens / Alamy Stock Foto

ECO-INNOVATIVE CONCEPTS FOR THE END OF OFFSHORE WIND ENERGY FARMS LIFECYCLE

INTRODUCTION TO DECOM TOOLS

For a successful energy transition, a significant expansion of wind power is necessary. However, most wind turbines are only designed for a life span of 20–25 years, and in the offshore sector, due to strong weather conditions, it is often less than that.

With this in mind, the number of wind turbines affected will increase steadily in the coming years. While dismantling processes on land are known and tested, an extensive experience in the offshore sector is still missing.

An overarching and sustainable approach of dealing with offshore wind turbines at the end of their life span is lacking behind.

Therefore, together with thirteen partners from six countries bordering the North Sea (Denmark, Germany, Belgium, the Netherlands, United Kingdom and Norway) the four-year DecomTools project aims to close this gap.

Most wind turbines are designed and certified for a 20–25 year service life. After this period, they have to be decommissioned or the accredited operational lifetime has to be extended, often accompanied by repowering (partial refurbishment).

While processes for decommissioning/repowering onshore wind parks are well known, the experience with offshore ones is limited.

This project shall close this gap by devising and developing eco-innovative concepts.

GOAL WITH DECOM TOOLS

- **REDUCE THE DECOMISSIONING COST BY 20%**
- **REDUCE THE DECOMISSIONING ENVIRONMENTAL FOOTPRINT BY 25%**
- **INCREASE THE KNOW-HOW AND EXPERTISE OF THE INVOLVED STAKEHOLDERS FROM THE NORTH SEA REGION**