



Reducing Energy Dependency
in Atlantic area Water Networks



EN:

Reducing Energy Dependency in Atlantic area Water Networks

The water industry is the 4th most energy intensive sector in the Atlantic area, responsible for significant contributions to climate change and reductions in the competitiveness due to the associated costs REDAWN aims to improve the energy efficiency of water networks through the installation of innovative micro-hydropower technology. This technology will recover wasted energy in existing pipe networks across irrigation, public water supply, process industry, and waste-water network settings.

ES:

Reducción de la dependencia energética en redes de suministro de agua en las regiones atlánticas

La industria del agua es la cuarta mayor consumidora de energía en la region Atlántica, lo cual contribuye al cambio climático y reduce la competitividad del sector debido a los costes asociados. REDAWN se centra en mejorar la eficiencia energética en las redes de distribución de agua mediante una tecnología innovadora basada en el uso de microturbinas. Esta tecnología recuperará los excesos de energía en redes de tuberías para riego, suministro urbano, industria y reciclado de aguas

FR:

Réduire la dépendance énergétique des réseaux de distribution d'eau dans l'Espace Atlantique

L'industrie de l'eau est le 4ème secteur le plus énergivore dans l'Espace Atlantique, contribuant significativement au changement climatique et à la perte de compétitivité due aux coûts associés. REDAWN vise à améliorer l'efficacité énergétique des réseaux de distribution d'eau grâce à un microsystème hydroélectrique innovant. Cette technologie récupèrera l'énergie perdue dans les conduites de réseaux existants, pour l'irrigation, l'approvisionnement public, l'industrie privée et les eaux usées

PT:

Reduzir a Dependência Energética nas Redes de Água da Região Atlântica

A indústria da água é o 4º maior consumidor de energia da região Atlântica, responsável por contribuições significativas para as alterações climáticas e da redução da competitividade devido aos custos associados. REDAWN visa melhorar a eficiência energética das redes de água através da instalação micro-hídricas inovadoras. Esta tecnologia vai recuperar a energia que é desperdiçada na rega, no abastecimento público de água, nos processos industriais e nas rede de drenagem.

At a glance

15

Partners

5

Countries

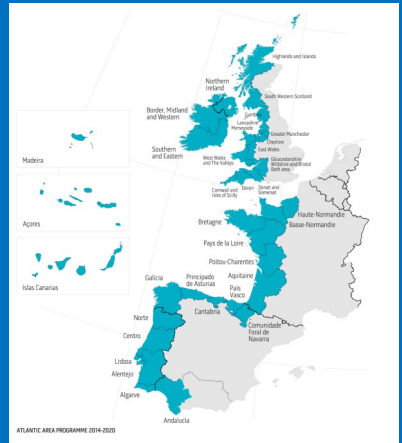
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Pilots

The REDAWN project brings together 15 partners from 5 countries around the Atlantic coast working towards greater efficiency in water networks.

Project Aim: To foster the adoption of hydropower energy recovery technology in built water networks in the Atlantic Area.

REDAWN will develop an adequate institutional, social and technological environment to foster greater resource efficiency in water networks.



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DISCOVER MORE ABOUT REDAWN

www.redawn.eu

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Partners

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Action Renewables
the renewable energy experts



FERAGUA
Asociación de Comunidades de Regantes de Andalucía

wat ef
Water Efficiency Network

TÉCNICO LISBOA

Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

FAEN
Fundación Asturiana de la Energía

Portuguese Water Partnership

SMPGA
Service public de l'eau

Renova



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hidropower