



SMart IsLand Energy system

The scope of SMILE project is to demonstrate different innovative technological and non-technological solutions in large-scale smart grid demonstration projects in the Orkneys, Samsø and Madeira islands, paving the way for their introduction in the market in the near future.

The technological solutions include integration of battery technology, power to heat, power to fuel, pumped hydro, electric vehicles, electricity stored on board of boats, an aggregator approach to demand side management (DSM) and predictive algorithms.

ORKNEY (UK)



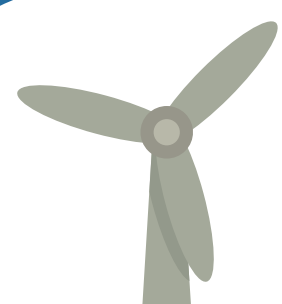
SAMSØ (DK)



MADEIRA (PT)



Solar Power



Wind Turbine



Straw-fired District Heating Plants



Electric Vehicle Charging



Electric Boat Charging



Subsea Electricity Cable

Consortium:

RINA

coordinator



AALBORG UNIVERSITY
DENMARK



ACIF
Centro de Competência
e Inovação em Energia



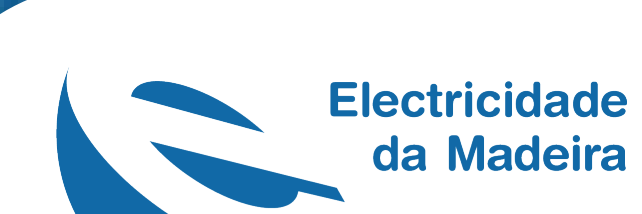
prisma



Community Energy Scotland
Empowering Communities



DAFNI
Network of Sustainable Greek Islands



Electricidade da Madeira



CERTH
CENTRE FOR RESEARCH & TECHNOLOGY
HELLAS



LITHIUM BALANCE
BATTERY MANAGEMENT SYSTEMS



m-iti
Madeira Interactive Technologies Institute



university of groningen
faculty of law
 groningen center of energy law



ROUTEMONKEY



SAMSØ ELEKTRO APS
DNI LOCAL EEL-INSTALLATOR
86 59 01 87



ENERGY ACADEMY



Samsø Kommune



New Energy Coalition



Sunamp
Heat Batteries™



DANISH TECHNOLOGICAL INSTITUTE



VCHARGE



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