## SHIFT to Direct Current

# Shift2DC

## The Four Demonstrators

## Buildings

France

The real-life commercial building demonstrator will be developed in France. The planned DC infrastructure will supply all DC compatible power needs of the building including the connection of PV system, DC/DC EV charging stations, heat pumps, a battery energy storage system as well as the traditional loads.

## **Data Centre**

a container, housing two different compartments

DC distribution grid.



The Data Centre Demonstrator located at the premises of Bachmann (Germany), will be set up in both supplied by the same

BAB

Madeira, Portugal

Ports

The Port Demonstrator will be implemented in Funchal (Madeira Island) and has two main objectives: to study the potential of DC in Ports by leveraging a Digital Twin of the Funchal Port and to analyze user perspectives.

## Industry Germany

The industry demonstrator will be performed at EATON/RWTH, where MVDC connection and protection systems will be demonstrated, and in PHOENIX, where LVAC/LVDC interface will be tested.

## Coordinator



## Consortium





































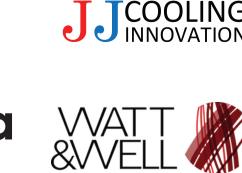














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## **DC Foundations**











