

Project Description

LOCATION

The Norwegian converter station will be located in Simadalen, at the end of the Hardangerfjord to the east of the city of Bergen.

The Direct Current (DC) cables across the North Sea will come ashore near Longhaven, then travel underground to the converter station proposed for the 'Fourfields' site, west of Stirling Hill Quarry.

The Alternating Current (AC) cables will then also be buried underground to connect to a new extension proposed for the Peterhead Sub-Station site near to the Power Station.



COMPONENTS

The subsea cables are High Voltage Direct Current (HVDC). DC is utilised as it has lower transmission losses when using buried cables. The National Grid systems utilise AC technology. Interconnector converter stations are therefore required at each end of the HVDC cable to convert the DC electricity to AC and vice versa to allow connection to substations on the National Grid.

