MeyGen Ocean Powered Data Centre

The world's first data centre powered by clean, renewable ocean energy

40-80MW Data Centre

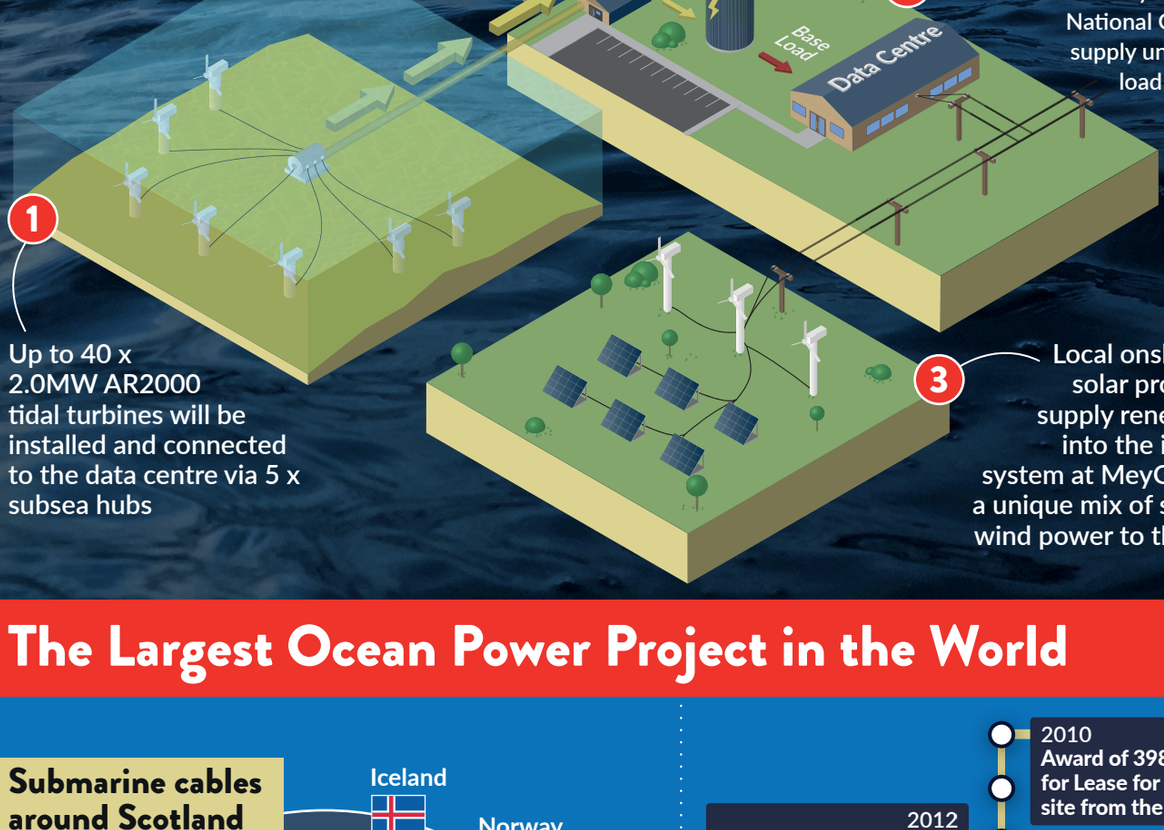
40 x 2MW turbines to be installed

Proximity to FARICE 1

Grid connection back-up power

Free air cooling

Co-locating infrastructure reduces private wire costs



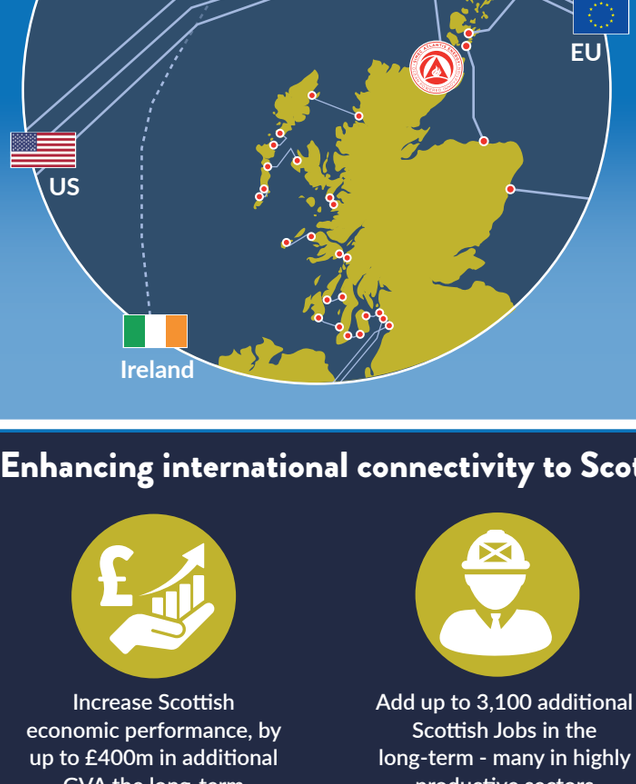
1 Up to 40 x 2.0MW AR2000 tidal turbines will be installed and connected to the data centre via 5 x subsea hubs

2 An intelligent grid system will combine tidal power with storage onshore at MeyGen backed up by a National Grid connection to supply uninterrupted based load power to the data centre which will be connected to an international data cable

3 Local onshore wind and solar projects will also supply renewable energy into the intelligent grid system at MeyGen, delivering a unique mix of solar, tidal and wind power to the data centre

The Largest Ocean Power Project in the World

Submarine cables around Scotland



- 2010 Award of 398MW agreement for Lease for the Inner Sound site from the Crown Estate
- 2012 253MW grid capacity secured
- 2013 Award of onshore and offshore planning consents for 86MW
- 2014 Financial close of Phase 1A (first 6MW)
- 2016 14.9MW grid connection energised
- 2016 Phase 1A turbines installed
- 2018 Phase 1A enters 25 year operational period
- 2019 Phase 1B, installation of first subsea hub
- 2020 Phase 1C and data centre financial close
- 2021 Construction commences
- 2023 Fully operational

Enhancing international connectivity to Scotland could:

Increase Scottish economic performance, by up to £400m in additional GVA the long-term

Add up to 3,100 additional Scottish Jobs in the long-term - many in highly productive sectors

Raise productivity rates, new business growth rates and innovation

Improve Scottish data and connection resilience

Source: Deloitte report, Economic impact of international connectivity and data centre development in Scotland