



EMERALD FLOATING OFFSHORE WIND

MRIA Forum 05/02/21
Val Cummins, Emerald MD

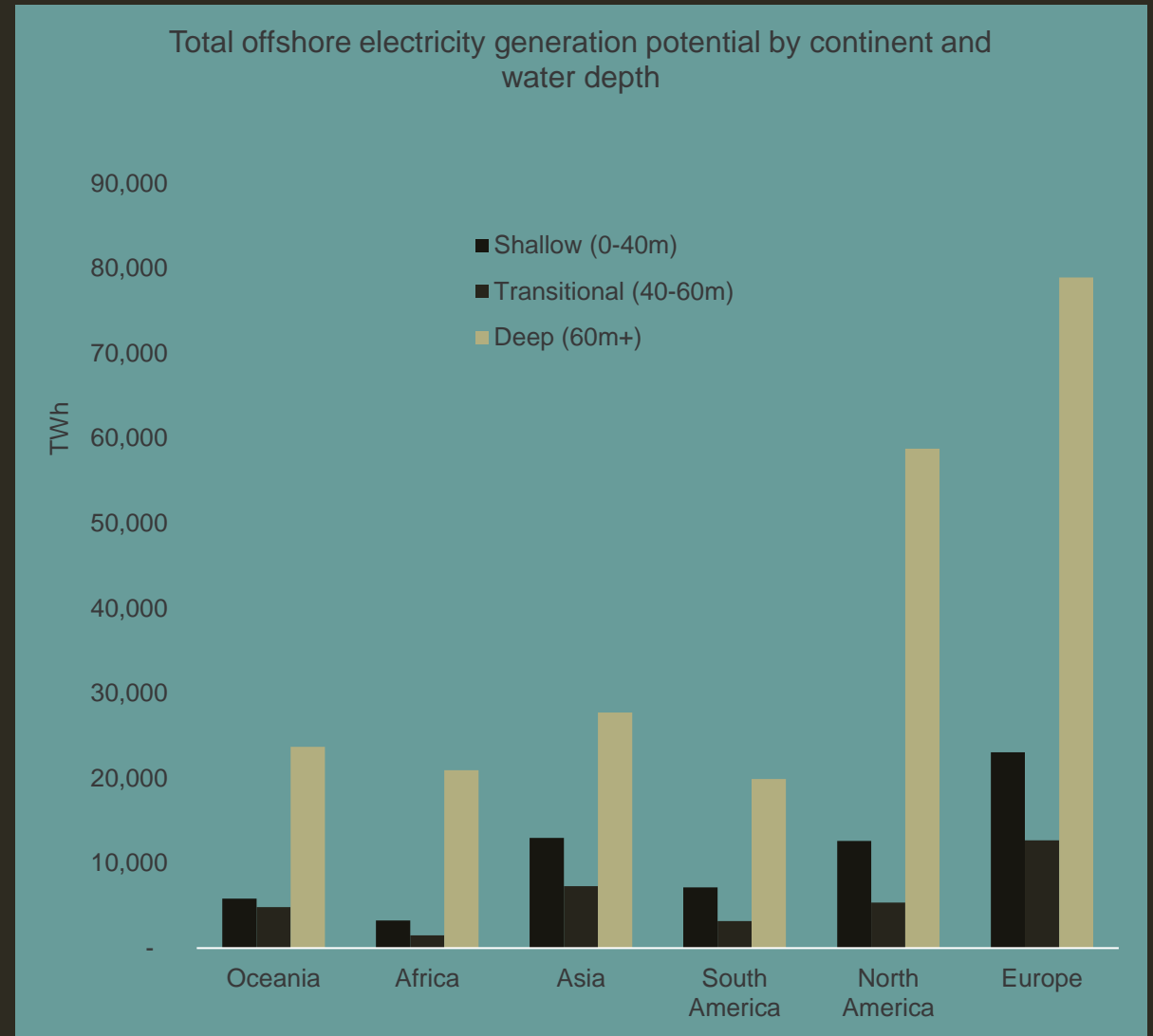
THE POTENTIAL OF FLOATING WIND

Floating wind (FLOW) is to Ireland what North Sea oil was to Norway

Rapid developments in FOW foundations are opening new markets

Floating offshore technology is entering a commercial phase. Development at volume and scale is bringing the cost down.

With significant deployments internationally, the price will be comparable to fixed within the decade (Wind Europe)



PROJECT DESCRIPTION

- A 1GW FLOW project off the South Coast of Ireland in two steps:
 - Sirius (300MW)
 - Endurance (700MW)
- Water depth circa 92m
- Wind speed circa 10m/s
- Min distance to shore 35km
- An energy transition initiative in the vicinity of the Kinsale Gas Field – currently being decommissioned



EMERALD JOINT VENTURE



Simply Blue
Energy

Shell acquired a 51% stake in the Emerald portfolio in
Jan 2021



- Early-stage development
- Phase 1 complete – Site identification and feasibility
- Foreshore site investigation application submitted July 2020
- Fisheries Liaisons
- Aerial surveys for birds and mammals from March 2021
- Landfall options
- Stakeholder engagement
- Engineering studies

STATUS

SIRIUS 300MW BY 2030

Marine Area Consent milestone pending enactment of Marine Planning and Development Management Bill

Projects beyond the Irish Sea are key to meeting government target of 5GW of offshore wind by 2030!

Work by Eirgrid on offshore wind connection strategy for south and west coast is urgent.



Photo courtesy of Principle Power. Artist: DOCK90

SUPPLY CHAIN IMPACTS OF FLOW

Job creation (Eirwind 12,000 direct and indirect jobs from 6.5GW by 2030; €2billion GVA)

Cork Harbour Supply Chain announcements – (e.g. Green Rebel Marine 100 jobs announced Winter 2020)

Cork Harbour: Ready to Float 2025 - 9th February

Partners in Transition 'Cork Hydrogen Valley' opportunity





Simply Blue
Energy

THANKYOU

MRIA Forum 05/02/21