



# Energy Integration on the UK Continental Shelf: how will the basin evolve

## Offshore Wind Overview

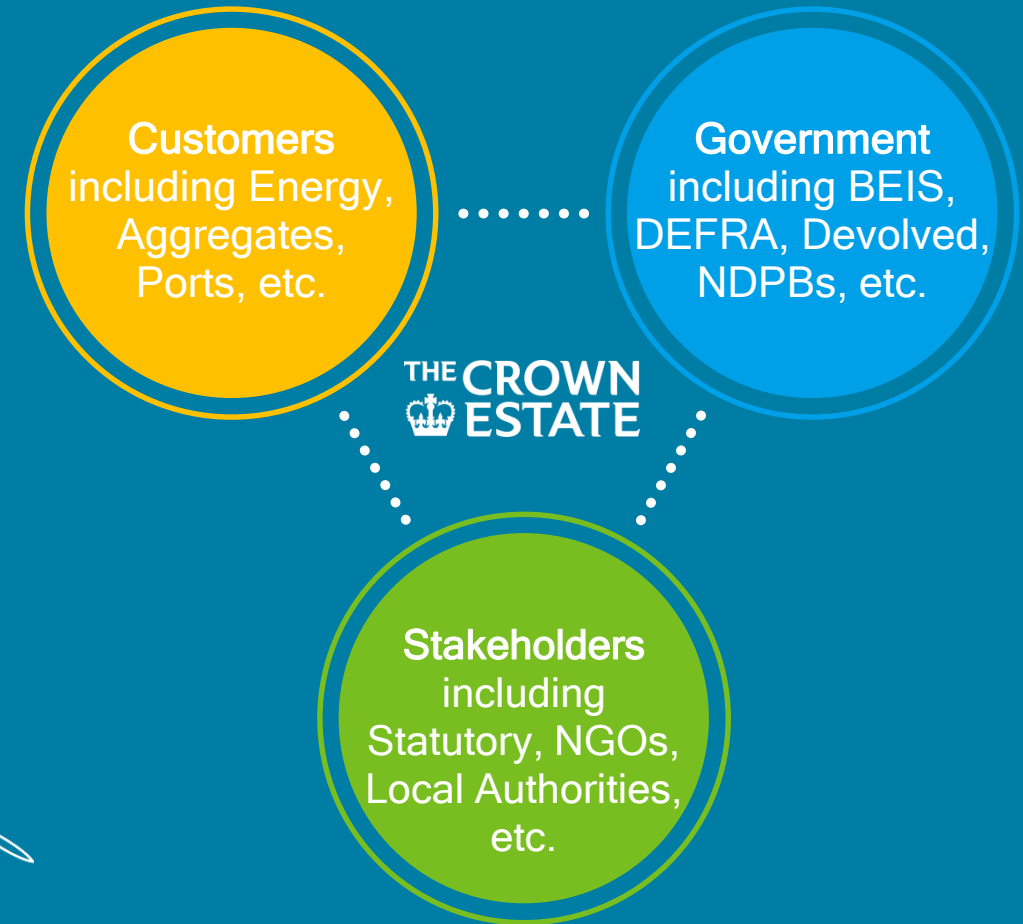
**Will Apps**

Head of Energy Development

**30 September 2020**

# The Crown Estate

- An independent, commercial business created by an Act of Parliament
- Net revenue profit £345m (2019/20)
- Capital value £13.4bn (2019/20)
- Diverse portfolio - Central London, Regional, On the Seabed and Coast, On the Land
- England, Wales & Northern Ireland
- *Sustainable development of the seabed for the benefit of the nation*



# Offshore Wind Overview

- Cost reduction
- Current policy ambition
- Offshore Wind Sector Deal
  - Jobs & productivity
  - Innovation
  - Sustainable & Coordinated Expansion (inc. co-location)
- Coordinated transmission
  - Societal impact
  - System/strategic approach
- Energy Integration
  - 23GW of capacity connected to electrolysers? (FES 2020)

Portfolio waterfall - all UK (gigawatts rounded)

## 2050 Net Zero scenarios (75GW+)

(Committee on Climate Change, 2019)

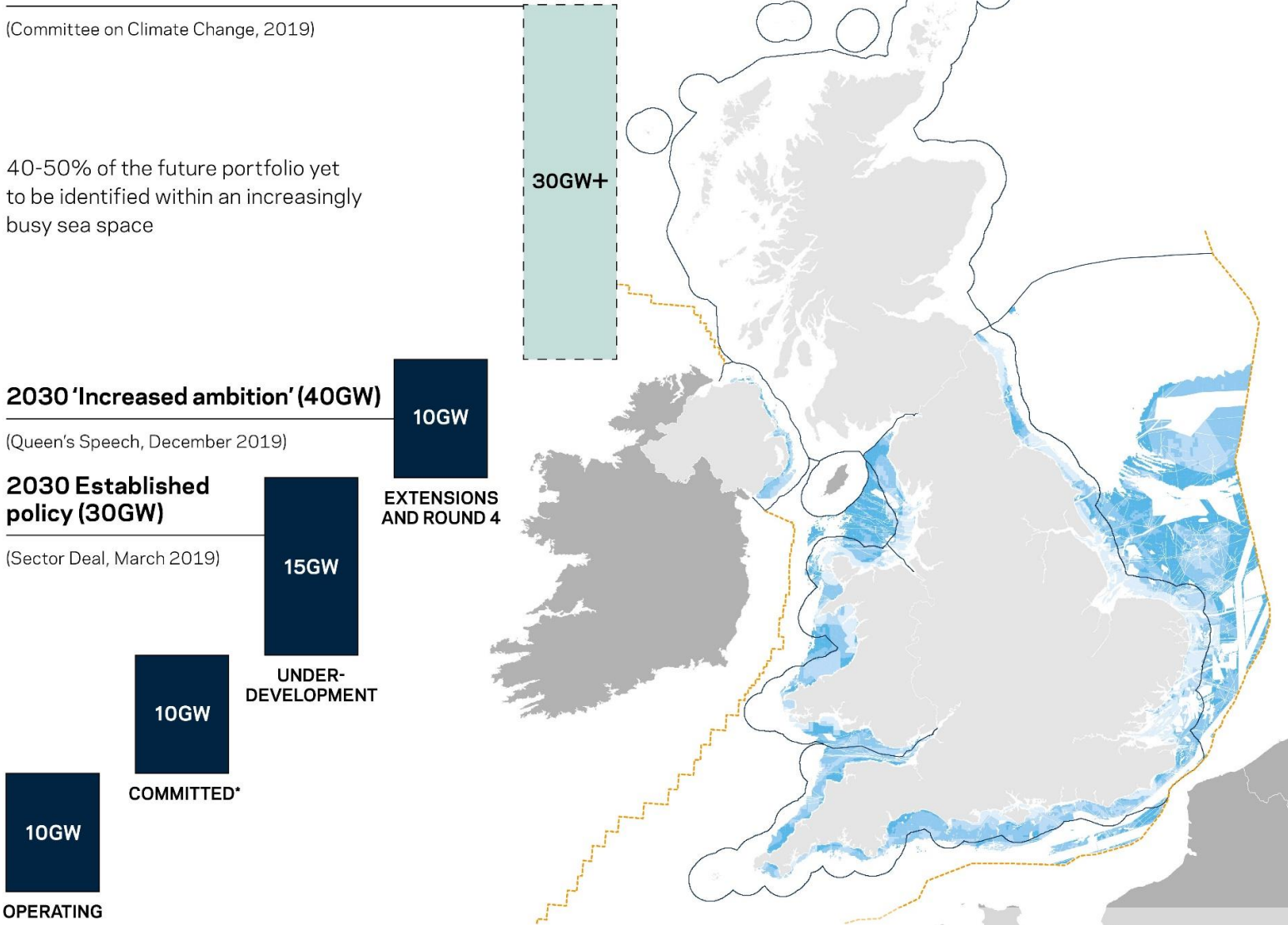
40-50% of the future portfolio yet to be identified within an increasingly busy sea space

## 2030 'Increased ambition' (40GW)

(Queen's Speech, December 2019)

## 2030 Established policy (30GW)

(Sector Deal, March 2019)



\*Projects under construction or that have government support on offer

**UK offshore wind development pipeline & seabed 'activity'**