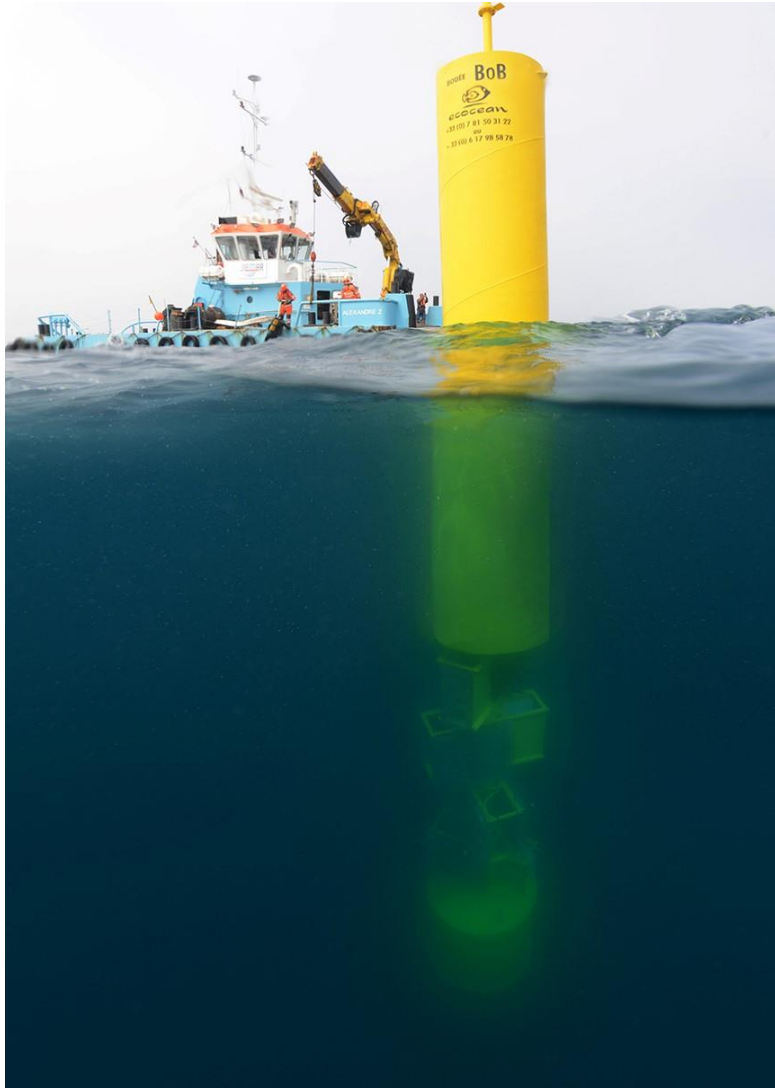


# Ecocean Biodiversity Observation Buoy – designed by Principle Power

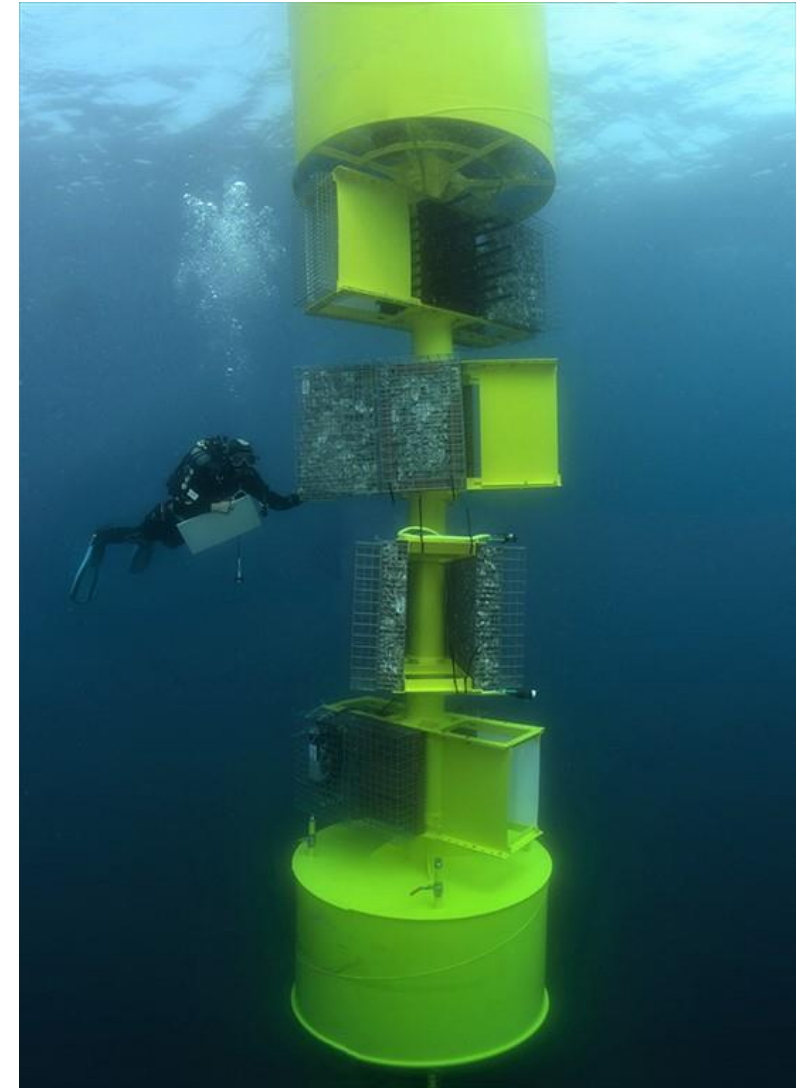


## Project Connexter:

- Part of EFGL
- Install Ecocean's Biohuts© to WindFloat hull to promote juvenile fish colonies
- Spill over effects will allow fishermen to fish around floating wind farms

## BOB:

- Buoy and Mooring designed by PPI with inovative installation method
- Installed at EFGL site in May for 2 years
- Measure base case prior to turbine installation (no WindFloat)



# Delivering sustainable Blue Economy

## Blue Economy under spotlight

With the UN's commitment to SDG14 to conserve and sustainably use the oceans, seas and marine resources, more governments are looking to sustainably grow the blue economy, and this represents a major opportunity for economies and industries globally.

## EU Blue Growth Strategy

As stated in the EU Blue Growth Strategy the 'blue' economy represents roughly 5.4 million jobs and generates a gross added value of almost €500 billion a year. Offshore wind (and floating wind in particular) will represent an important element of the “blue growth” story.

## Upfront capital investments in Blue Economy

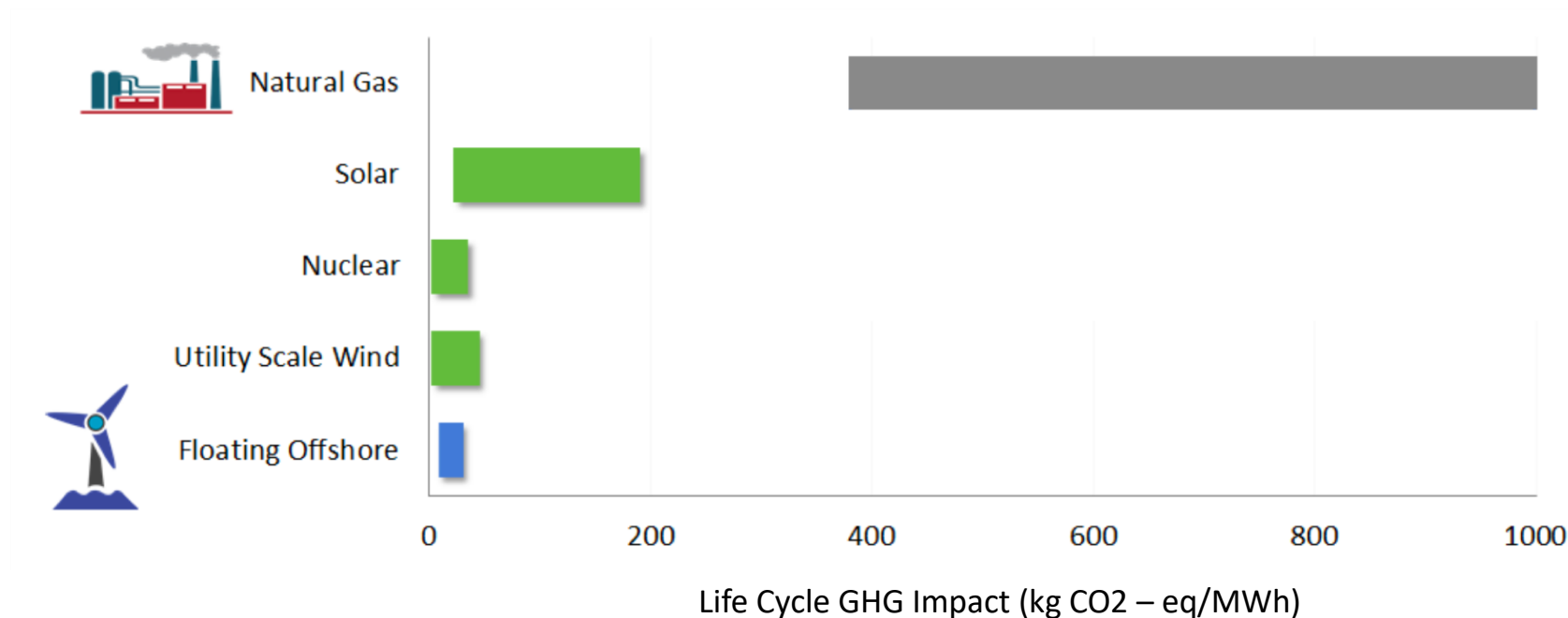
Offshore wind is expected to inject large upfront capital investments (10s of billion € per year) into the Blue Economy, with large local multiplying effect in other ocean activities and enlarging the oceans asset base dramatically.

## Multi-use multi-purpose platforms

Principle Power has been exploring potential to co-locate economic, ecological, and scientific activities within multi-use, multi-purpose platforms, engaging with the local coastal and fishing communities to explore potential synergies with other maritime activities.

# Decarbonising Energy Production with Floating Wind

- Annually a **600 MW** floating offshore windfarm saves between **934 million – 2.6 billion kg of CO2 equivalent**:



Ref: The Ocean Wind Project,  
Bren School of Environmental Science & Management

Floating wind is one the most promising disruptive technologies that could deliver large-scale decarbonization opportunities required to achieve CO2 neutrality by 2050 and reach the interim 2030 targets set by the EU.