

UK Content in Offshore Wind: Making the Case for Political Support

Alun Roberts

BVG Associates

Market analysis & business development

- **Supply chain development**
- **Economic impact assessment**
- **Support to industrialisation**

Technical innovation & engineering analysis

- **Support to investment in technology**
- **R&D programme management**
- **Design and engineering services**

Project implementation

- **SCADA & condition monitoring**
- **O&M technical support**
- **Small project development**



Politics and offshore wind

- In supporting the development of a new energy technology, politicians will consider three factors:



Environment

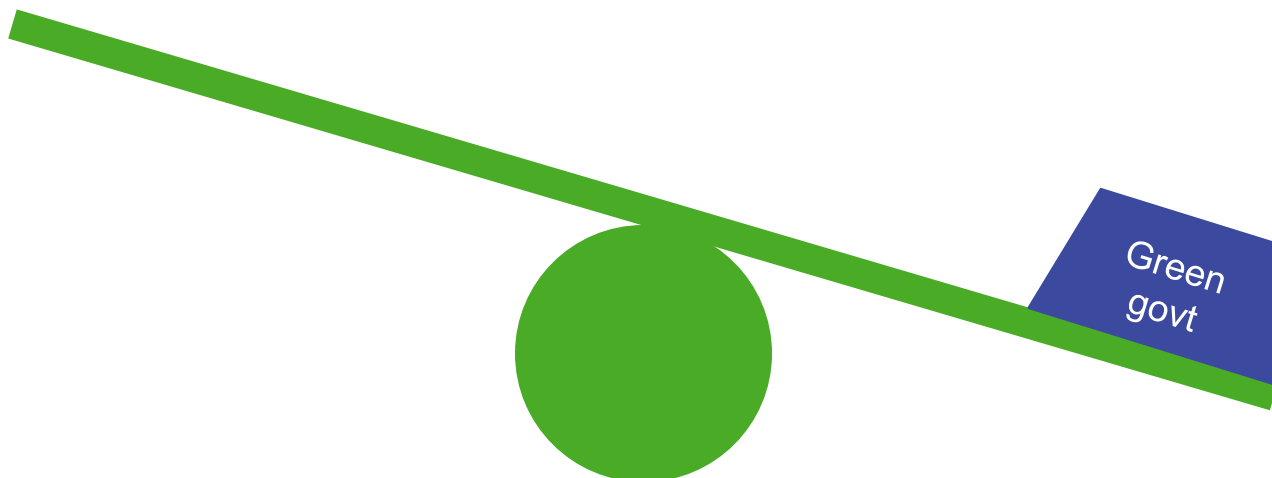


Security of supply

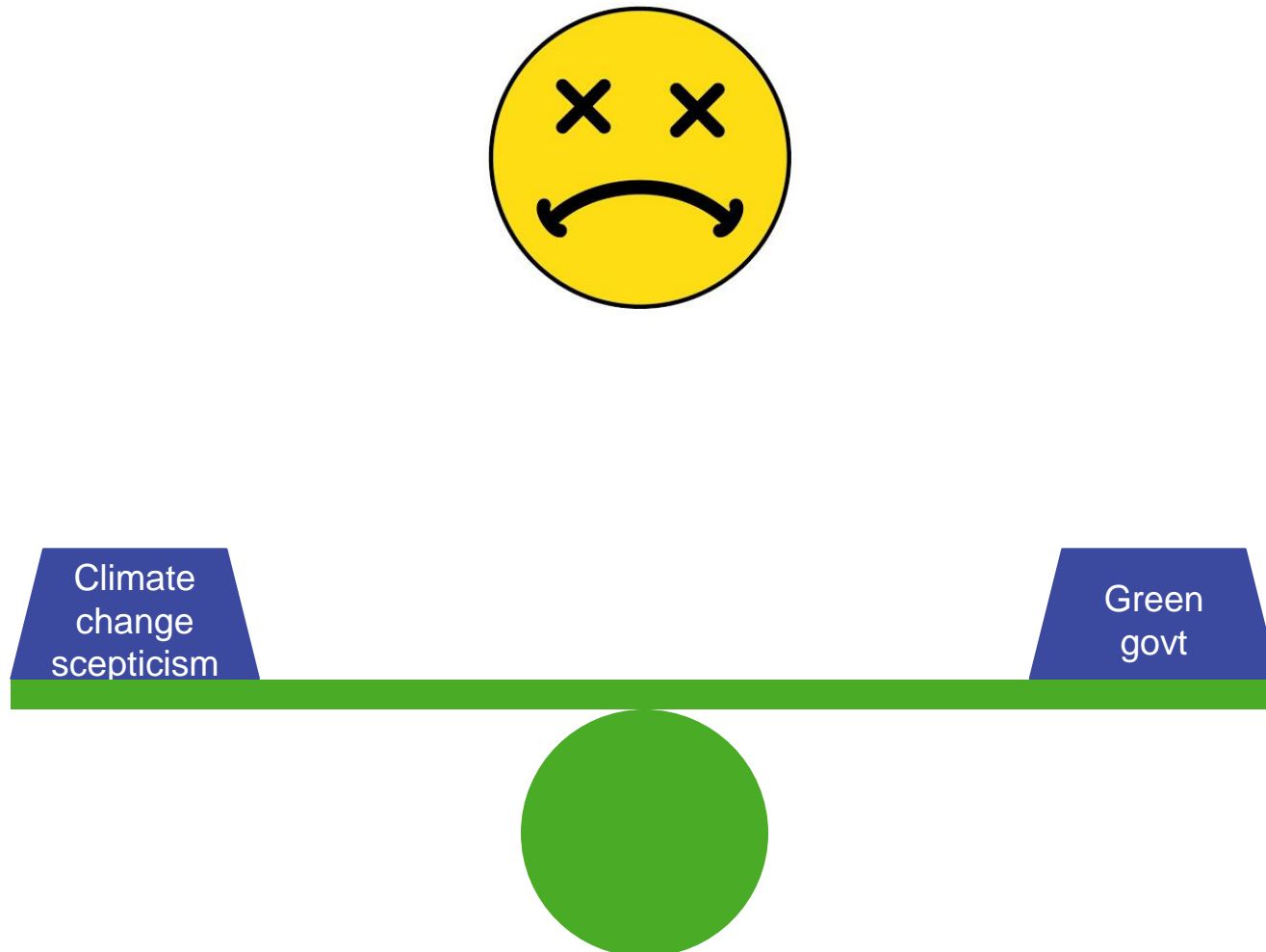


Economics

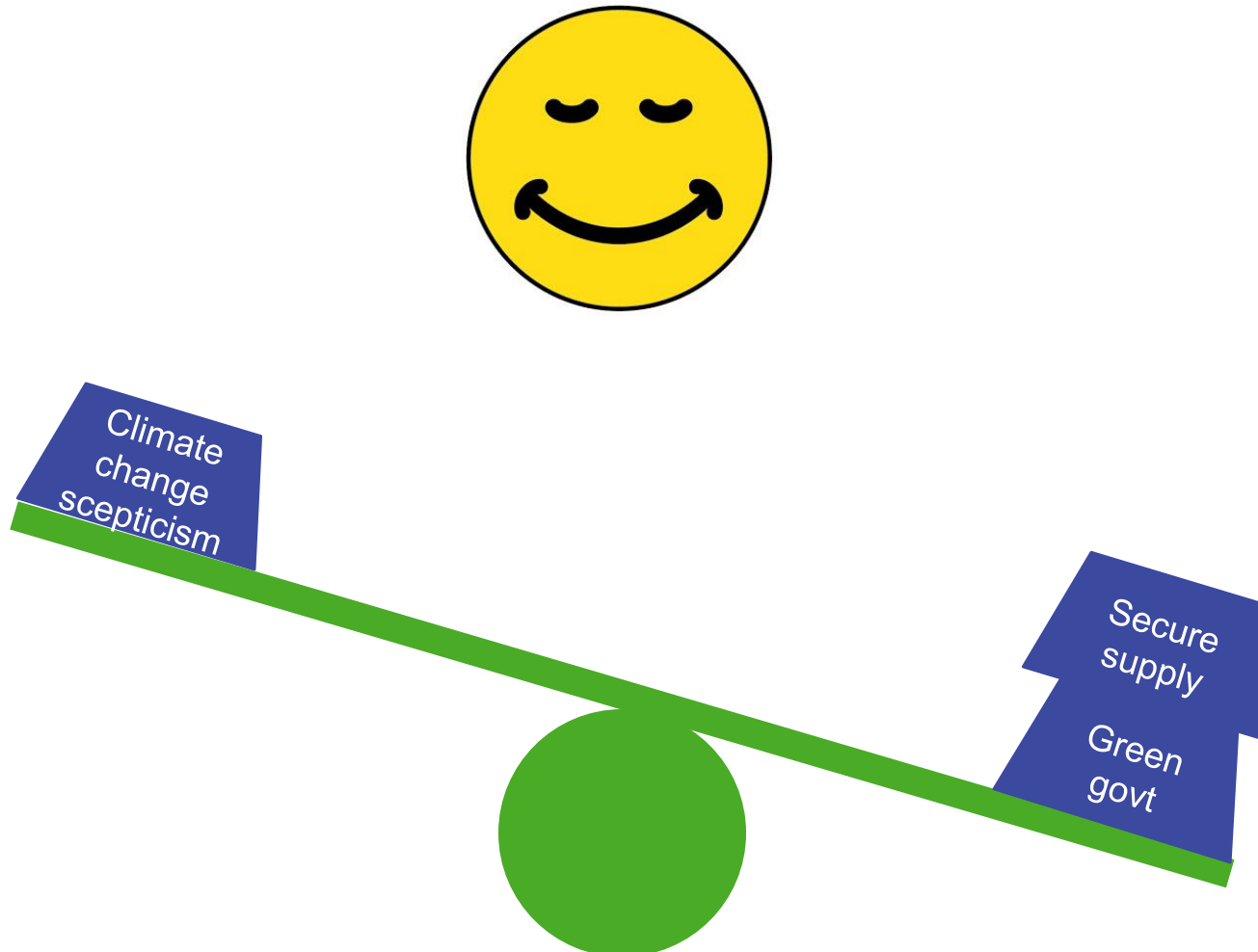
Offshore wind in the balance



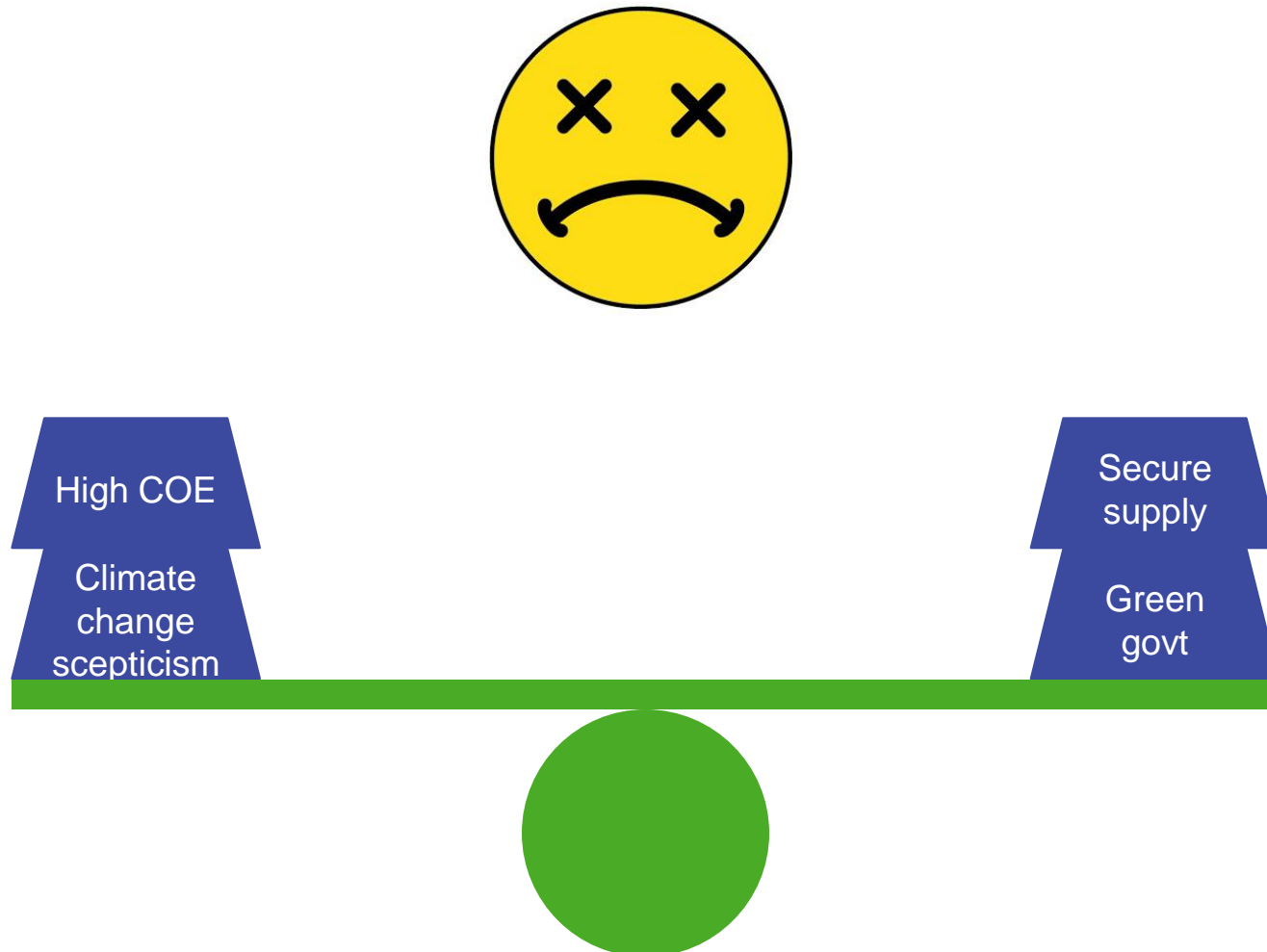
Offshore wind in the balance



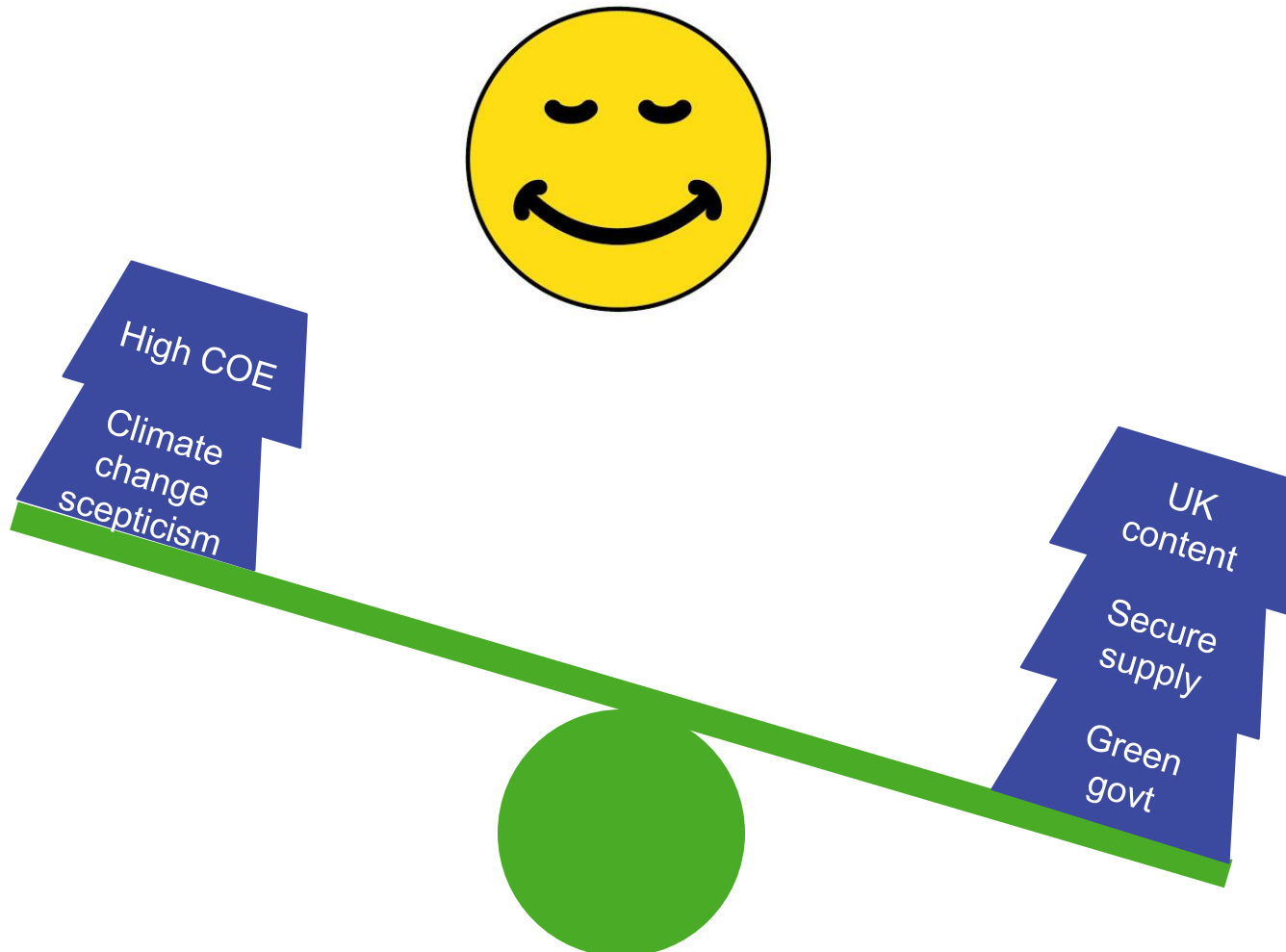
Offshore wind in the balance



Offshore wind in the balance

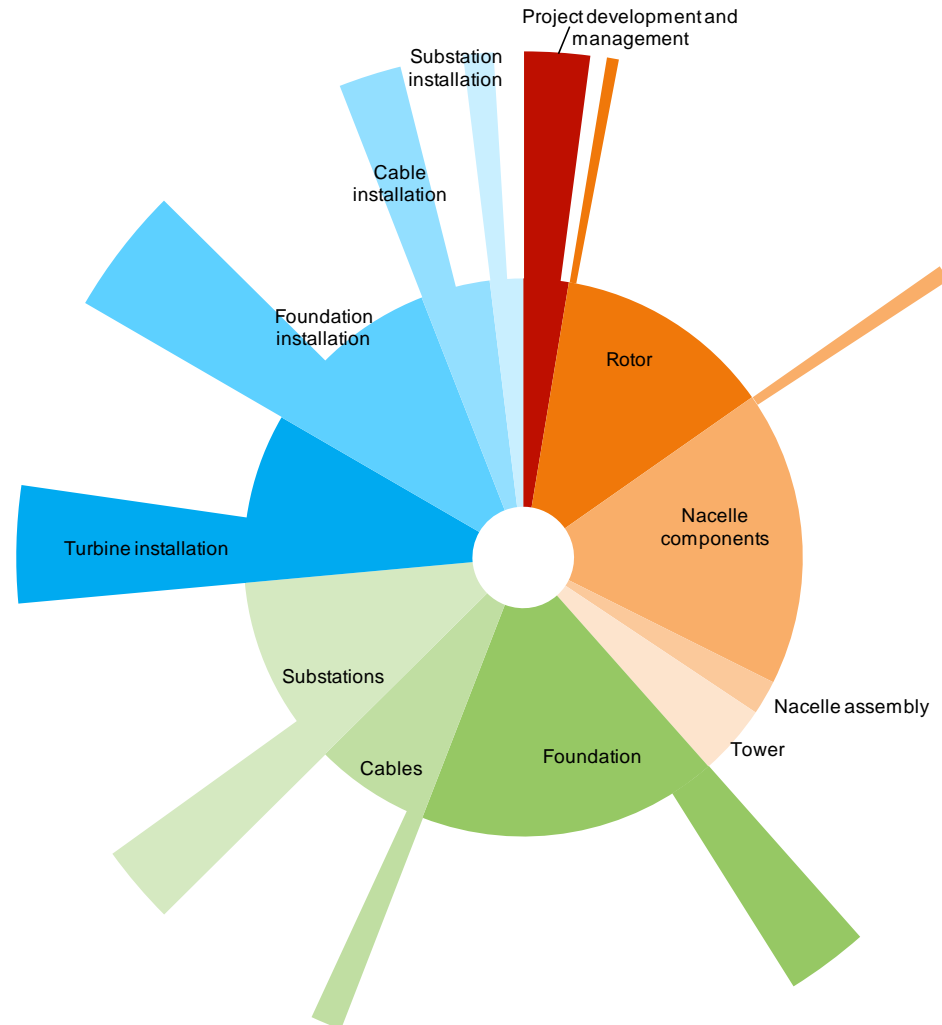


Offshore wind in the balance



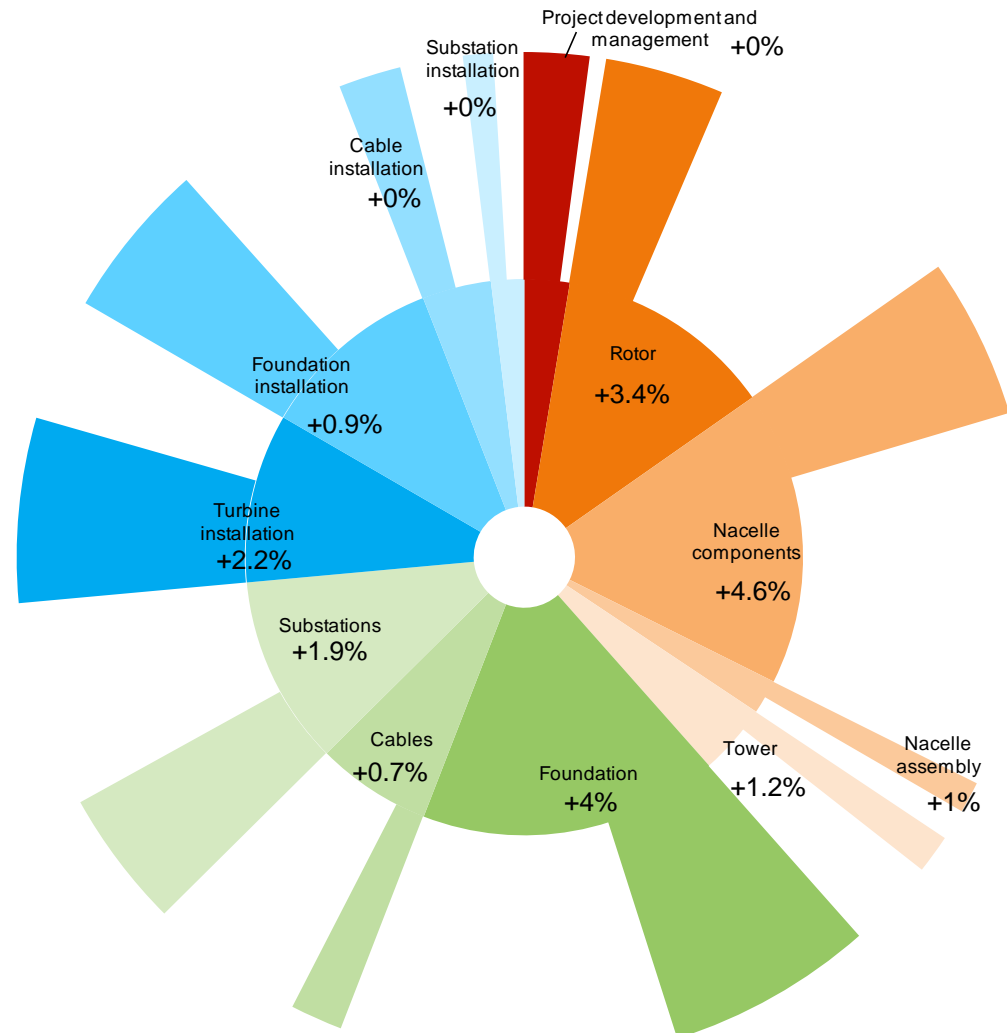
UK content in CAPEX in 2012

- Representative UK content in CAPEX = c.20% (some projects – Robin Rigg, Ormonde higher)
- Negligible turbine component supply
- Modest foundation supply
- Competitive vessel operators and installation contractors - but vessels built overseas



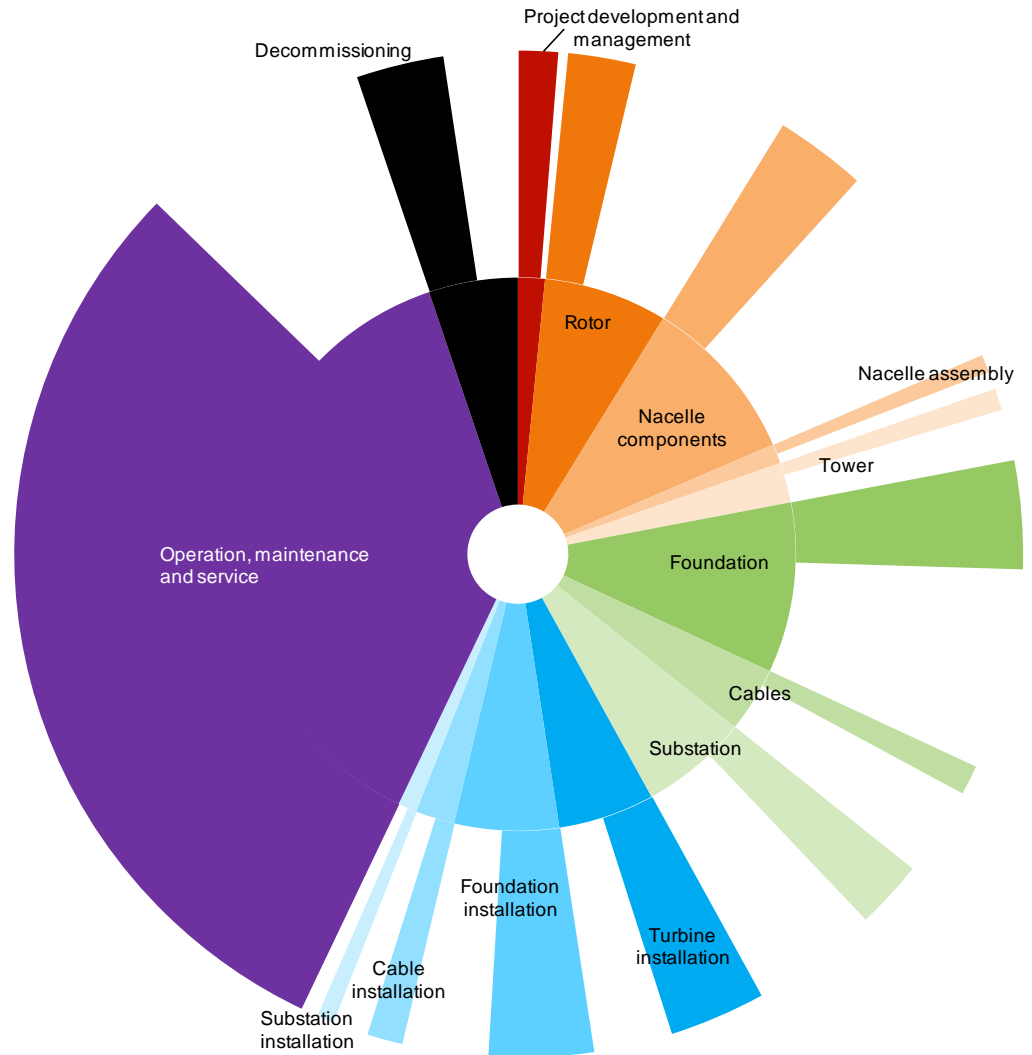
What's possible in 2020?

- Average UK content in CAPEX = c.40% (some projects will be higher)
- Half the turbines installed in the UK assembled here (along with some blade and tower manufacture, and some drive train)
- More UK foundation supply (concrete has high UK content but most steel imported)
- A little more installation content (from UK manufacturing facilities)



Let's look at lifetime UK content

- Lifetime average UK content of a project completed in 2020 = 57%
- Some projects already close to this



For discussion

- **Lots of scope to increase UK content in CAPEX – there is untapped UK capability and opportunities for inward investment**
- **At the moment, UK investments are matched by those of its competitors**
- **Are limits to UK content in CAPEX – an average 40% doesn't sound high but is good from where we are now**
- **Need both confidence in market and clear incentive to buy British (but it still needs to match quality and price)**
- **Need to move the argument on – to lifetime UK content – reaching 60% is attainable**