

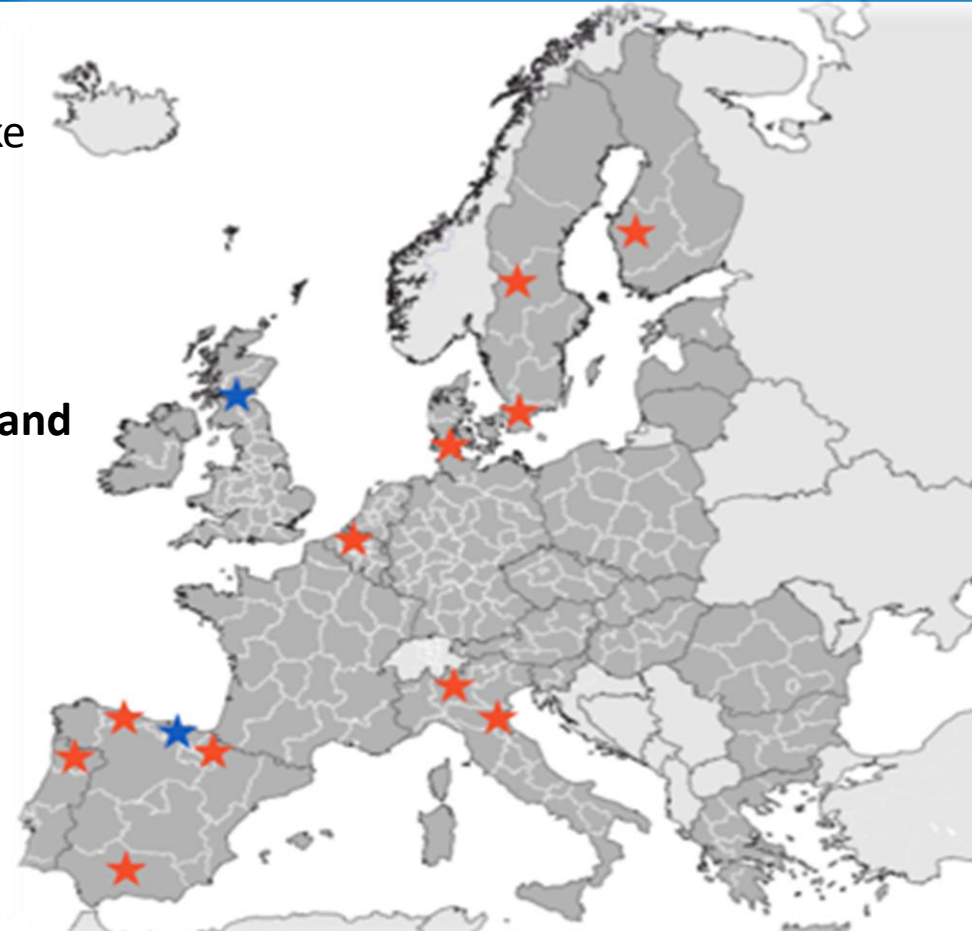


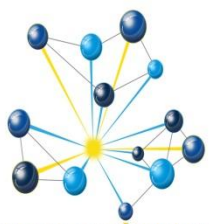
The Vanguard Initiative Pilot in Advanced Manufacturing for Energy-Related Applications in Harsh Environments

(The ADMA Energy Pilot)

Led by Scotland and the Basque Country, the ADMA Energy Pilot brings together 13 regions aiming to make the EU the **global leader in manufacturing of robust high integrity components and systems** for marine renewables and offshore energy applications

The Pilot aims to create new business opportunities and increased growth for the sector; helping larger companies strengthen supply chains by working with innovative SMEs all over Europe





The ADMA Energy Pilot is focused around 4 broad market areas:

- Offshore oil and gas – especially deep water fields
- Unconventional oil and gas – such as shale gas and coal-bed methane
- Marine renewables – including wind, wave and tidal generators
- Blue water mining

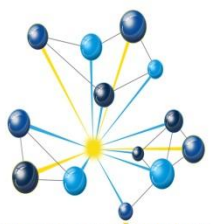
And is prioritising demonstration cases across a number of common industrial challenges:

- Corrosion
- The manufacture of large-scale components
- Sensing and instrumentation
- A reduction of operation and maintenance costs

Corrosion is being taken forwards through the *NeSSIE* project, which...

- stands for **North Sea Solutions for Innovation in Corrosion for Energy**
- is being funded through the 2016 **DG MARE Blue Technologies Call**
- brings together many of the ADMA Energy Pilot Partners
- will develop three bankable/ready-to-invest projects for corrosion solutions
- focuses the wider Vanguard approach around North Sea delivery





There are, however, barriers to overcome in taking forwards the other demonstration cases:

Investment needed

Significant investment and commitment



No specific instruments

H2020 is focussed on R&D activities

Knowledge

Complex scenarios and funding instruments not easily accessible



Interregional cooperation

Difficult to coordinate among Vanguard regions: funding, timing, regulations, coverage of the innovation activities, etc.