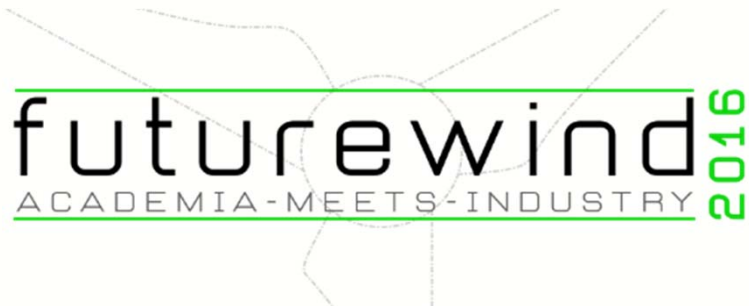




# Energy Technology Partnership

Stephen-Mark Williams  
25 August 2015



# ETP is...

- The largest power and energy research partnership in Europe
- An alliance of 12 Scottish Universities



- Engaged in world-class related energy RD&D with world-class facilities



# ETP Energy Themes



**Wind**

Strathclyde



**Marine**

Edinburgh



**Grid**

Strathclyde



**Solar**

Edinburgh



**O&G**

H-W



**CCS**

Edinburgh



**Bio**

Aberdeen



**EUB**

H-W



**ECS**

St Andrews

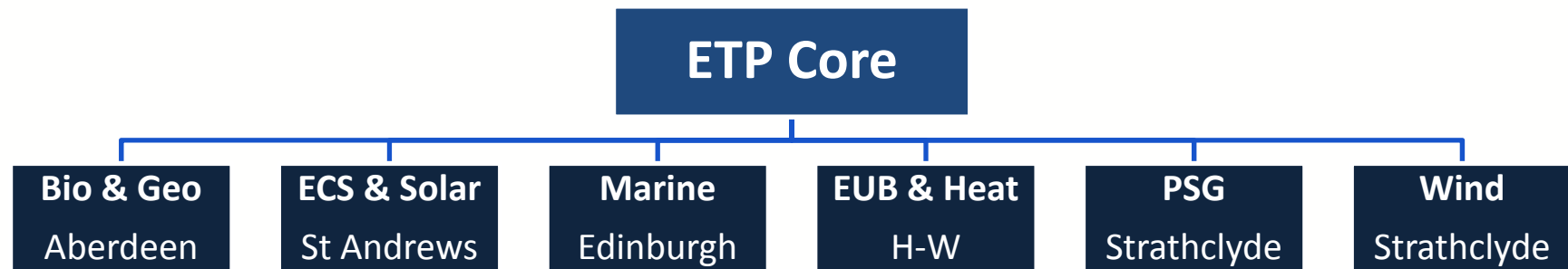


# KEN (Knowledge Exchange Network)



# KEN Structure

A team of 6 BDMs



# KEN Support

## Consultancy Fund

- Small knowledge exchange projects
- Free to Scottish SMEs
- Academic time, travel, consumables, prototypes, testing

## Access to resources

- 700 researchers
- Collaborations and alliances
- Over 40 world-class facilities within the SEL and beyond

## Research funding

- EU Horizon 2020 SME Instrument
- SE grants eg SMART, R&D grants
- Innovation centres
- etc



# Case Study 1 - Wind

- SME: Medium wind installer
- Project: to demonstrate novel geophysical techniques to explore foundation types and siting for wind turbines on sensitive and difficult terrain
- Collaboration with Civil Engineering Department at Strathclyde University
- Staff: Principal researcher, research assistant, and academic
- Continuation from Encompass-funded project
- ETP support £5200, 25 man days over 3 months
- Installer able to showcase survey technique to key customer.



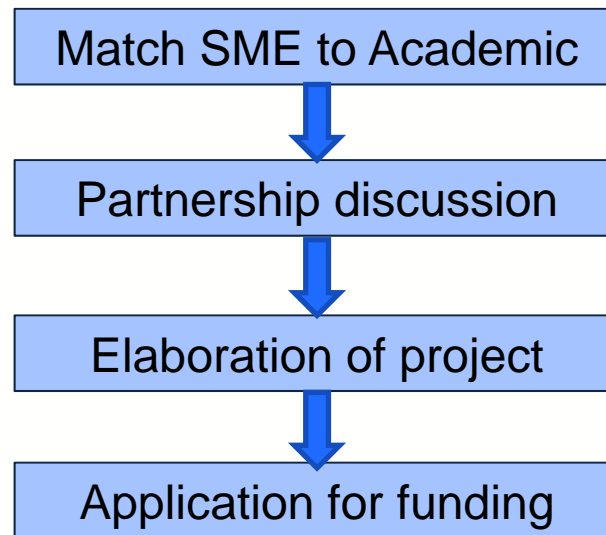
# Case Study 2 - Wind

- SME: Vibration engineering consultancy
- Project: modelling of turbine noise mitigation devices
- Collaboration with Mechanical Engineering Dept at Heriot-Watt
- Staff: Principal researcher, research assistant
- Project value £12000, ETP support £5000, 32 man days over 3 months
- Follow-on project extended to offshore piling noise.
- Support an Innovate UK Energy Catalyst application.





# Next Steps





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 **Energy Technology Partnership**





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