

# UK Marine Renewable Energy Strategy, Policy & Support

Mike Rosenfeld  
Vice Consul  
USA Clean Technology Sector Lead  
UK Trade & Investment  
British Consulate-General, Los Angeles

Global Marine Renewable  
Energy Conference  
Seattle, Washington  
14 April 2010

## UK: A World Leader in Marine Renewable Energy

- 23% of all worldwide wave developments
- 27% of all tidal developments

Research, Development & Demonstration

Ambitious Plans & Policies

Substantial and Reliable Wave & Tidal Resources

# Substantial - Reliable Wave & Tidal

Wave Energy Resources: ~50 TWh/year =  
14.5% of UK's electricity demand

Tidal Current Resources: Up to 18 TWh/year =  
~5% of the UK's electricity demand

R&D market valued at £20m/year

Fabrication, Component & Service market valued  
at £146m/year

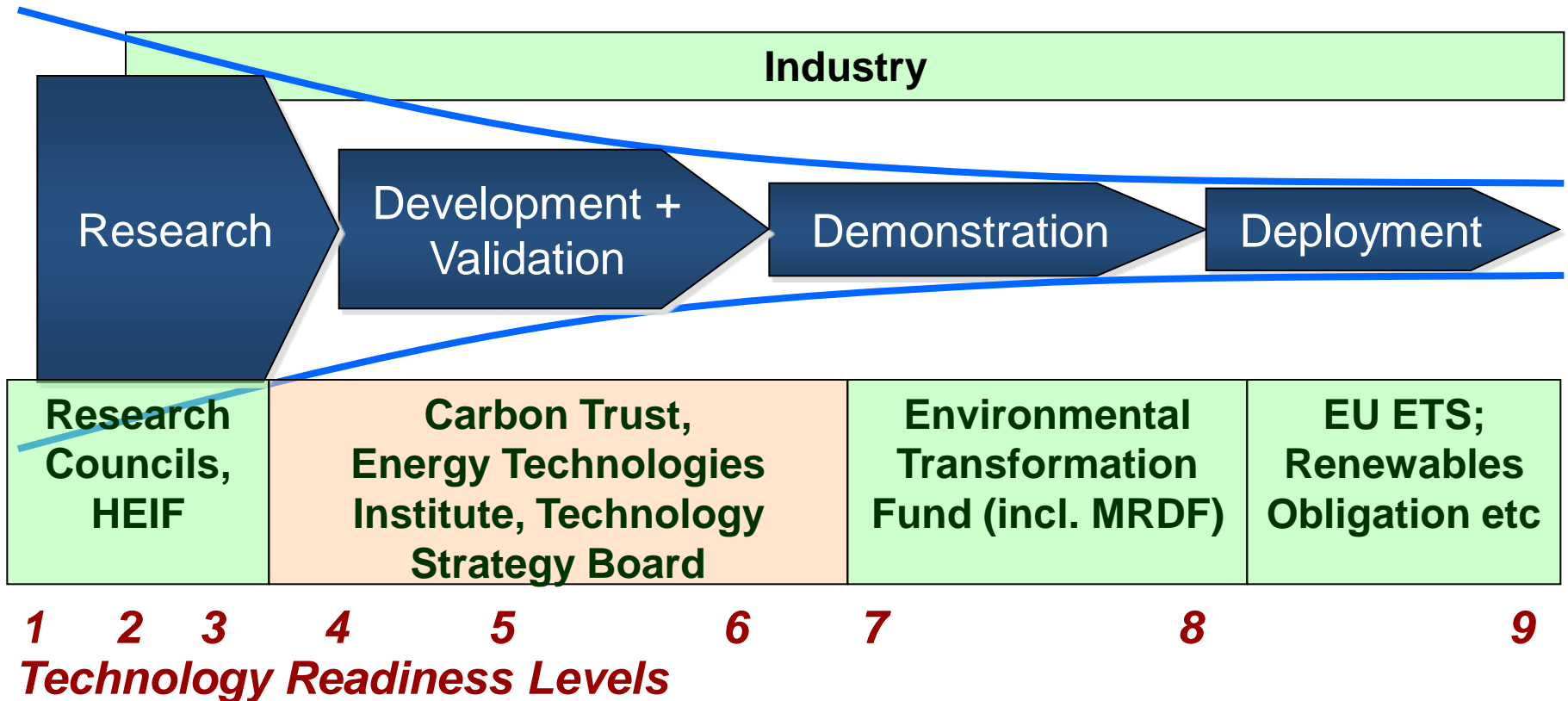
- 9 devices have been deployed in the UK; 6 more projects in development
- Developing Supply Chain: Going beyond the oil & gas sector and ship building
- Test Facilities: EMEC; WaveHub; NaREC
- Research base: SUPERGEN Marine Consortium led by Edinburgh University

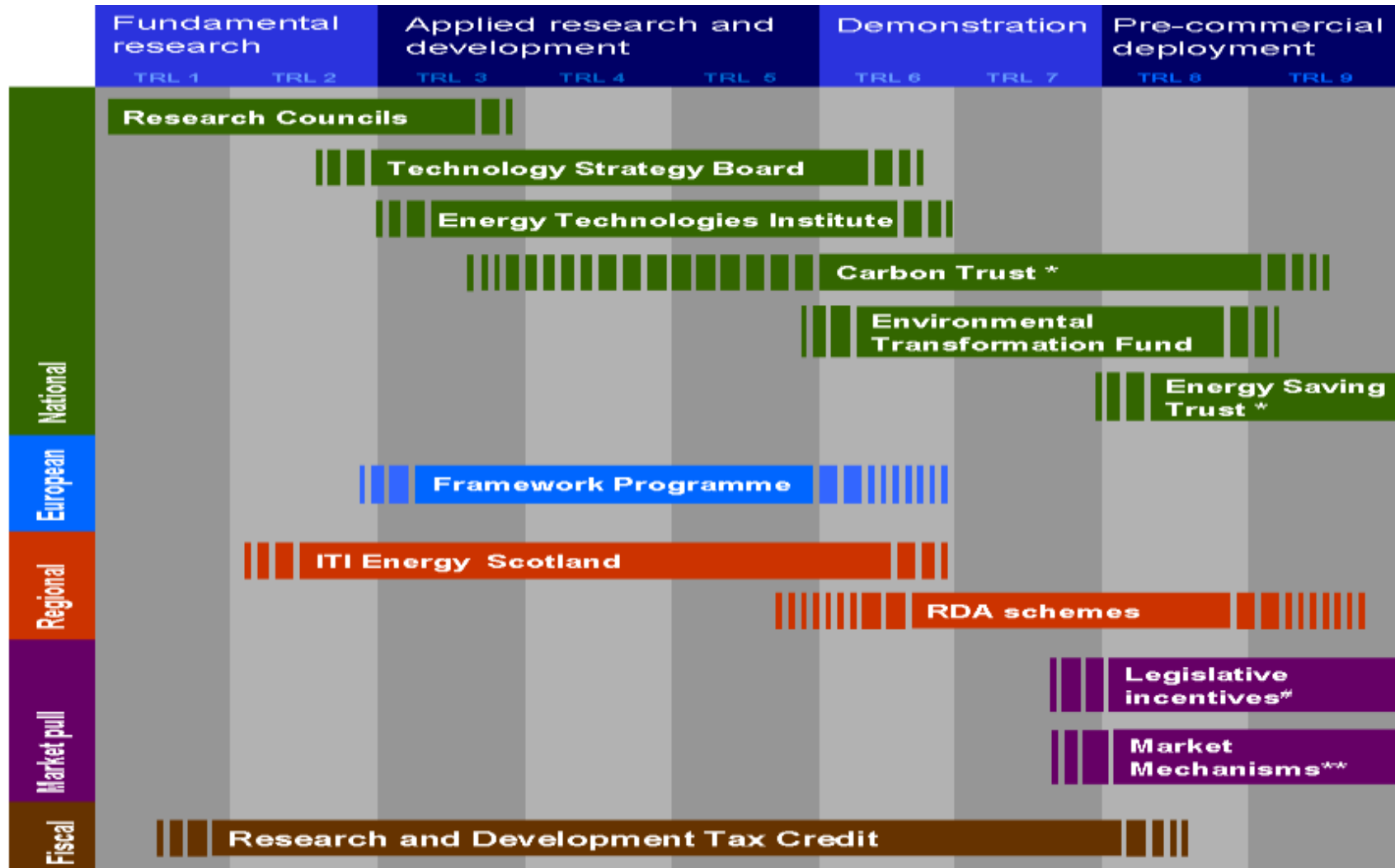
- Substantial Grant & Tariff Support
  - ROCS
  - Marine Renewables Proving Fund
  - Marine Renewables Deployment Fund
- Technology Strategy Board
- UK Carbon Trust
- Energy Technology Institute
- WATES
- Regional Support

# Marine renewable support

Technology push and  
knowledge transfer...

... market pull/public policy





\* Carbon Trust & Energy Saving Trust technology demonstration is part of the Environmental Transformation Fund

# Such as the EU Large Combustion Plant Directive, and technology standards

\*\* Such as the UK Renewables Obligation and the EU Emissions Trading Scheme

*Hit the world running* <sup>UK</sup>

For further information please contact:

Mike Rosenfeld, Vice Consul

USA Clean Technology Sector Lead

UK Trade & Investment

[Mike.Rosenfeld@uktradeinvestusa.com](mailto:Mike.Rosenfeld@uktradeinvestusa.com)

310 481 2986