Team FINLAND
A trade policy and trade promotion perspective to blue and renewables

PORTUGAL AND FINLAND
BLUE + RENEWABLE TOMORROW
Delivering growth through collaboration between Finland and Portugal

Okko-Pekka Salmimies, Ministry for Foreign Affairs of Finland

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Common goals with regard to environmental protection and Green Growth

• Paris Agreement on Climate Change
• Agenda 2030 – Sustainable Development Goals
• Economic and Trade interests
• R&D, strengthening the technological know how
• Commercializing the innovations
• Promoting the products and finding markets
The Finnish Maritime Cluster: towards the 2020s

- Programme run by the Ministry of Economic Affairs and Employment
- Coordination and funding: Finnish Maritime Society and other actors
- Carried out: University of Turku and other institutions
- Study covered 1500 limited companies (out of 3000)
- 2014 total turnover: c.a. EUR 12.7 Billion
- 48,400 employed
- Added value generated: limited companies 1500
- “Greening” through clean tech, digitalisation and software
The Finnish maritime Cluster: towards the 2020s – Offshore renewable energy production

Off shore wind parks:

- in Europe in use/under construction in Europe 11,000 MW (UK, DE, DK, BE)
- Providing transport: Meriaura
- Building vessels: Mobimar
- Manufacturing components: Moventas, ABB, Vacon
- Building cables: Prysmian Cables and Systems
- Building a wind park: Suomen hyötytuuli (Pori)

Wave energy (developing in process):

- Closer to shore: system by AW-Energy
- Off shore: floating system by Wellon Penguin
- Co-financing of other solutions
Examples environmentally friendly innovations

More efficient and cleaner energy

- Shaft generation system (axel driven generation) by WE tech Solutions
  - Already over 30 orders in 2016
  - Example of ecosystem based activity
    - (The Switch: generator, Danfoss Drives: frequency transformation, VEO: control cabinet)

Wärtsilä

- Exhaust gas (NOx, Sox, CO and VOC) cleaning solutions like sulphur scrubbers
- Gas engines
- Dual fuel engines
- Battery technology
- Ballast water systems
- Energy use optimizing hard and soft ware
Operating environment 1

- Building enabling ecosystems
- Smart regulatory policy
- Providing test bed possibilities for new technologies
- Providing experimental environments for new business models
- Providing R&D with a foresight focus
Operating environment 2

Promoting export

Maritime and Offshore from Finland

• One of Growth programs of Team Finland
• Advising on internationalization and identifying market opportunities
• Networking and cooperation among companies
• Providing financing for technological development and exporting
• Developing business models
• Assisting in marketing and visibility
Operating environment 3

Providing market access

• Environmental Goods Agreement (EGA) and other trade agreements
  • Facilitating trade in environmental technologies and solutions
  • Reaching out to gain critical support (Brazil, Lusophone Africa)
Thank you!

Okko-Pekka Salmimies
+358 295 351 454
okkopekka.salmimies@formin.fi