

TIGER Supply Chain Webinar

Anti-fouling and anti-corrosion requirements
of tidal turbines

21 October 2020, 13.00 – 14.30 (BST)

EMEC
THE EUROPEAN MARINE ENERGY CENTRE LTD

 **Institut de la Corrosion**
French Corrosion Institute

CATAPULT
Offshore Renewable Energy

PML | Applications Ltd


HydroQuest
Smart power solutions

TIGER TIDAL STREAM
INDUSTRY
ENERGISER

Interreg 
France (Channel
Manche) England
European Regional Development Fund

Housekeeping



- Thank you all for joining.
- Smile! This webinar is being recorded and will be made available through the TIGER website after the live event.
- Q&A session after all presentations for attendees to post their questions. Please use the Q&A function to post your questions which can be up voted by other interested in hearing the answer. Any technical issues please use the chat function for assistance.

Agenda

13:00 – Welcome & introduction to **TIGER**

13:15 – **OREC**, John Walker: Impact of surface roughness on tidal blade performance

13:25 – **Hydroquest** – Raphael Coquet: Tidal turbines corrosion resistance strategy for long term deployment and maintenance cost reduction

13:45 – **Plymouth Marine Laboratories** – Dr. Thomas Vance: Biofouling prevention in high energy sites

14:00 – **Institut de la Corrosion** – Charles Leballeur: Collecting data for cathodic protection in the field of off-shore renewable energy

14:15 – **Q&A session**

14:30 – Close

What is TIGER?

TIGER = **T**idal Stream **I**ndustry Ener**G**is**ER**

TIGER is a **€45.4m** (€29.9m ERDF), 4-year project, with 18 partners, approved 2 Jul 2019.

Funded through the [Interreg France Channel \(Manche\) England programme](#), it is a collaborative cross border project

What is TIGER?



PARTNERS OUTSIDE THE FCE AREA

EMEC
THE EUROPEAN MARINE ENERGY CENTRE LTD

ORBITAL
MARINE POWER

QED Naval Limited

MANCHESTER
The University of Manchester

SENEOH
TIDAL TEST SITE

Minesto

18 Partners including:

- 6 Technology developers & sub projects
- 6 Universities
- 2 regional agencies

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What is TIGER?



CORNWALL



ORE Catapult (TIGER Lead Partner)
Chi Gallos
Hayle Marine Renewables Business
Park
North Quay
Hayle
Cornwall
TR27 4DD



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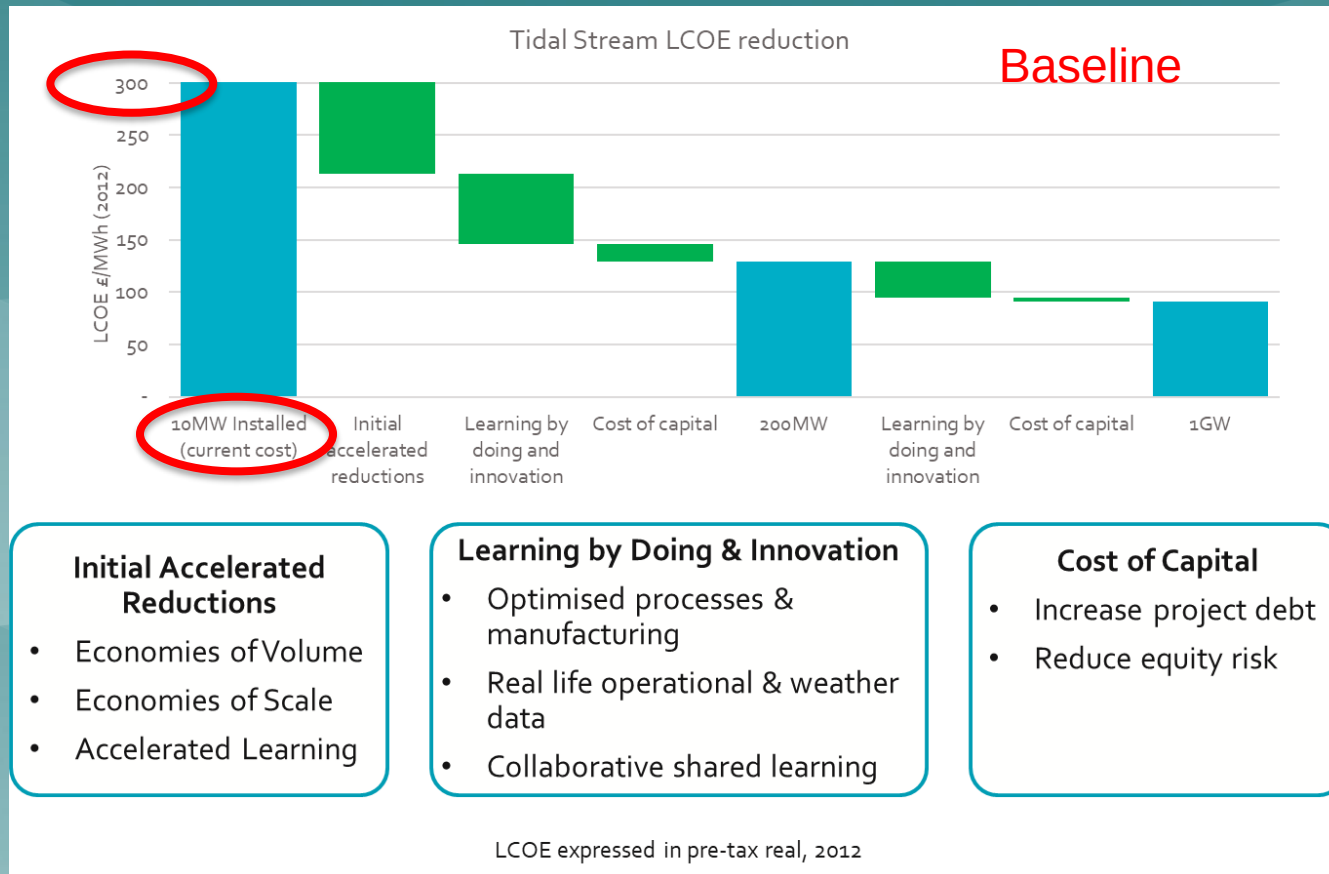
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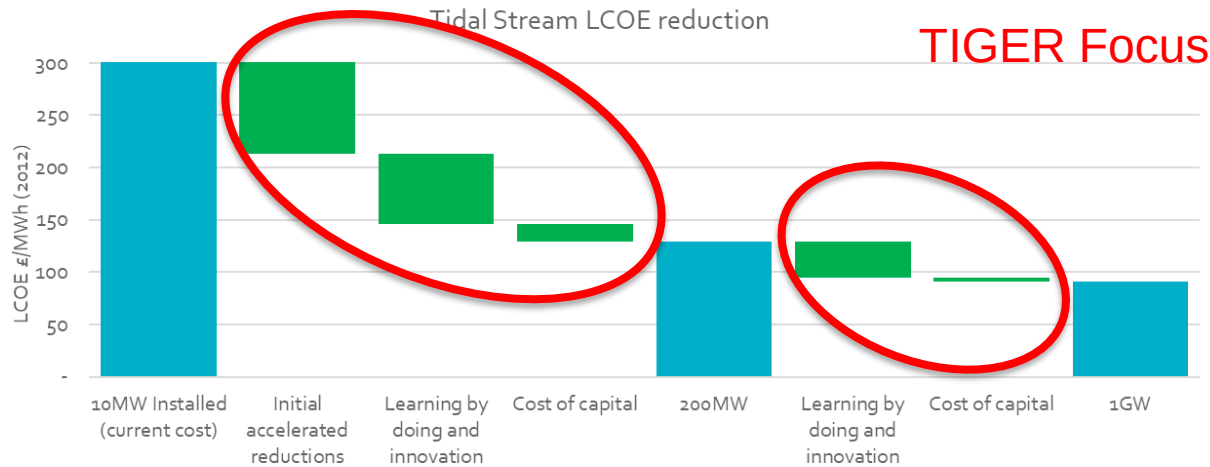
European Regional Development Fund

What is TIGER about?



OREC 2018 Wave & Tidal cost reduction pathway report

What is TIGER about?



Initial Accelerated Reductions

- Economies of Volume
- Economies of Scale
- Accelerated Learning

Learning by Doing & Innovation

- Optimised processes & manufacturing
- Real life operational & weather data
- Collaborative shared learning

Cost of Capital

- Increase project debt
- Reduce equity risk

OREC 2018 Wave & Tidal cost reduction pathway report

How will TIGER do this

Underpinned with tidal Technology Developer collaboration & knowledge sharing

WP1 – Tidal energy site development and deployment

The **learning by doing** activities & data collection

- Ramsey Sound
- Paimpol Brehat
 - HQ
 - Minesto
- Morbihan Gulf
- Raz Blanchard
 - PTEC

WP2 – sector and technology development

Systems, component & process **development & Innovation**. Work together with supply chain companies to innovate and improve and form supply chain clusters with know how in tidal stream

WP3 –Cost reduction analysis

This is where all the data and learnings are pulled together to form evidence case for policy support to root the tidal stream industry in the EU.

Supply Chain Engagement activities

- TIGER technology developers, in conjunction with **engaging interested supply chain companies**, will develop a range of at least 40 different equipment design specifications/ front end engineering designs/detailed designs for new optimised turbine components, systems and processes.
- Open to working with organisation from across sectors
- Focus of designs will be to maximise cost reduction, performance, modularity and plug and play features to increase standardisation and improve production economies of scale across the sector.

Collaboration & knowledge sharing

TIGER welcomes the opportunity to collaborate with other like-minded projects and associations.

If you would like to discuss possible opportunities, please get in touch.

Thank You

Contact

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Website: www.interregtiger.com



TIGER Series 1 – Finale webinar themes

28th October 11:00 BST – Reliability & condition Monitoring of tidal turbines – Speakers from OREC & SIMEC Atlantis

30th October 13:00 BST- Supply Chain Opportunities | Onshore & Offshore Mobilisation and Logistics – Speakers from Minesto, Sabella, James Fisher & Dublin Offshore

Sign up here: www.Interregtiger.com

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