



Invitation to SEA TECH WEEK TIGER Supply Chain webinar
GROWING THE SUPPLY CHAIN FOR COST EFFECTIVE RELIABLE COMPOSITE BLADES, TOOLING AND SENSOR DESIGN FOR TIDAL TURBINES

13th October, 2020, 10h00 – 12h00 (ECT) - 09h00 – 11h00 (BST)

You are invited to this the third in the series of six supply chain events being organised by [the TIGER project](#) in the framework of [SEA TECH WEEK](#) by [MORBIHAN HYDRO ENERGIES](#). This two-hour session brings together tidal turbine developers, academics and suppliers who are at the forefront of research and industrial innovation in the field of composite technologies for use in harsh saltwater environments. You should register for this event to find out more about the needs of Europe’s leading tidal turbine developers and see how your company can become part of this innovation supply chain.



GROWING THE SUPPLY CHAIN FOR COST EFFECTIVE RELIABLE COMPOSITE BLADES, TOOLING AND SENSOR DESIGN FOR TIDAL TURBINES
13/10/2020 – SEA TECH WEEK, BREST FRANCE

09h00 – 09h15	Welcome and introduction – Simon Pascoe, MHE consultant & moderator
Session 1	Session 1: Needs and requirements of the Tidal industry
09h15 – 09h25	Emerging needs and requirements for seabed arrays - Erwann Nicolas, Sabella
09h25 – 09h35	Sustainable composite blade scale up - Finlay Wallace, Orbital Marine
09h35 – 09h45	Composite needs in glider design – Bernt Erik Westre, Minesto
09h45 – 09h55	Questions to turbine developers and discussion with participants
09h55 – 10h00	Coffee break (will have to make your own!) – 5 minutes
Session 2	Emerging cross sectoral research on composites, certification and low-cost deployment
10h00 – 10h15	FASTBLADE: Engineering options for new materials technology and accelerated evaluation of tidal turbine blades - Professor Conchúr Ó Brádaigh and Dr. Jeff Steynor, University of Edinburgh
10h15 – 10h25	Testing composites in harsh saltwater environments – Peter Davies, IFREMER
10h25 – 10h35	Lower cost manufacturing techniques for composites and tooling for the tidal sector – Peter Giddings, UK National Composites Centre
10h35 – 10h45	Updating BV NI603: Validation and certification of emerging composite technologies – with experiences from blade testing in RealTide & MEVEF and Stephane Parboeuf - Bureau Veritas
10h45 -11h00	Questions and discussion with participants
11h00	End of workshop

[REGISTER HERE](#)

(Keep your login and password safe for next week)

About Tiger

The TIGER project will make a stronger, more cost-effective case for tidal stream to become part of the energy mix in the UK and France by harnessing economies of scale via volume manufacturing and multi-device deployments. Coastal communities used as ports of deployment will benefit from knock-on investment and job creation. The total theoretical tidal energy capacity in the Channel region is nearly 4 GW, enough to power up to three million homes. Proving that tidal energy generation can be cost-effective on a large scale could open the door for it to become the renewable energy of choice in coastal locations with strong tidal currents globally, helping the growth of clean, green energy generation and tackling the climate emergency. The project will install up to 8 MW of additional energy capacity, ultimately leading to:

- a reduction of greenhouse gas emissions of ~11,000 tonnes per annum;
- Investment in coastal communities, leading to an economic increase in GVA of €13 million per annum; and
- a tidal energy cost reduction towards €150/MWh.