



SABELLA : Pioneering Tidal Stream Energy

30 March 2020

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BUSINESS
OPPORTUNITIES 



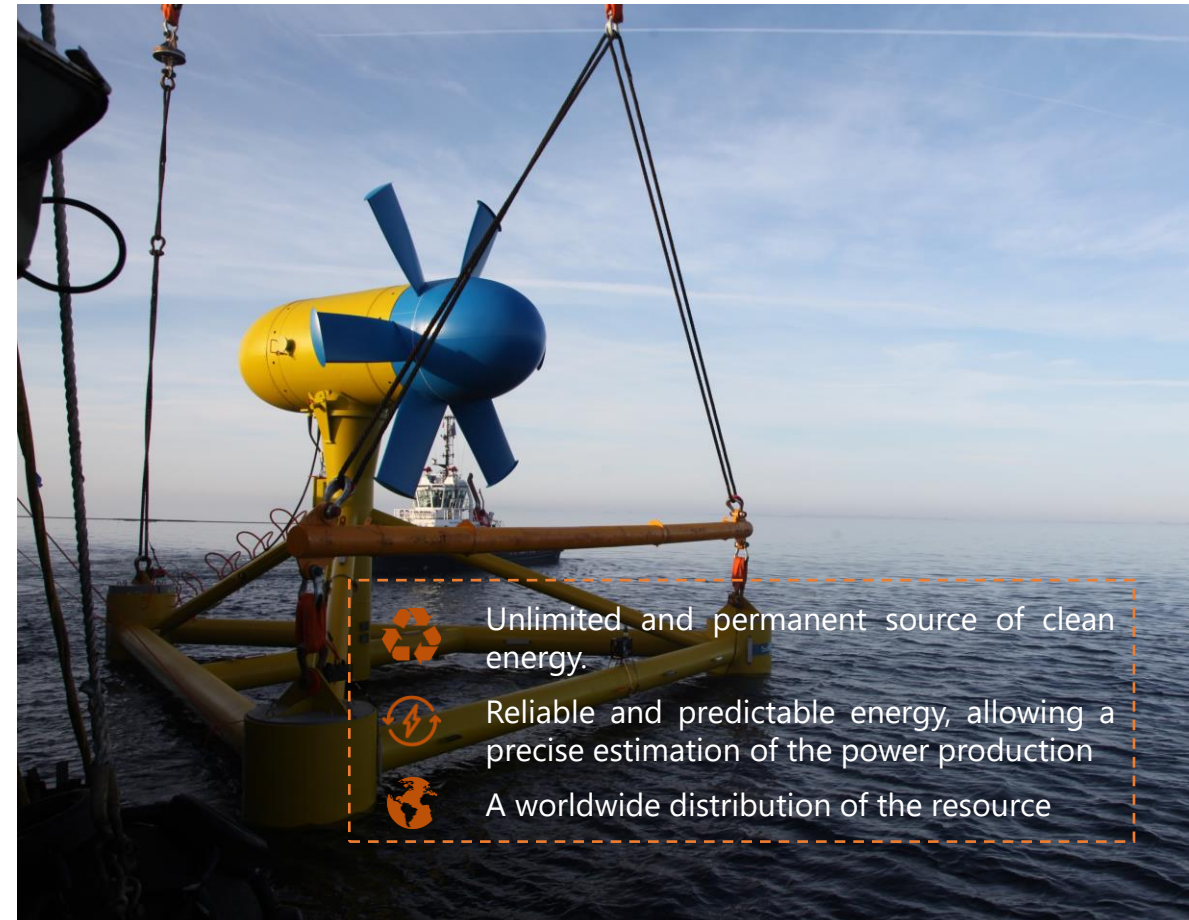
Our company



SABELLA's mission is to design and implement systems to power coastal areas and produce green hydrogen – using tidal energy

Key Figures

- Created in 2008
- Based in Quimper, Brittany, France
- 28 employees
- EPCI (Engineering, Procurement, Construction & Installation)
- ISO9001 certification
- Shareholding structure: 48% Industrials, 50% Financials, 2% Management



Unlimited and permanent source of clean energy.



Reliable and predictable energy, allowing a precise estimation of the power production



A worldwide distribution of the resource

ADB



New generation of Tidal Turbine



A new energy model tailored for remote grids on island or shore communities

A suitable solution for electricity production of remote grids and islands relying on costly fuel generators

- Reduction of CO2 emissions
- Energy independence and security
- Lower cost of electricity

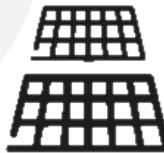


Energy storage system



HYBRID SOLUTION

Ocean currents as
baseload



Smart Grid and
other renewable energies



A worldwide presence



Canada

Bay of Fundy & Great North
Local company HYDRO-SAB
(100% owned)

France

Ushant Project
TIGER Project
Member of Ocean

UK

Morlais Project
Yell Sound Project
Energy Europe

Philippines

Capul Project
MoA with H&WB and
MoU with PNOC-RC

Chile

Magellan strait
Marine Energy Research and
Innovation Centre (MERIC)

Indonesia

Rural development
Consortium MPS (Meindo - Prima
Langkah Pratama - Sabella)

Australia

Member of Australian
Ocean Energy Group
Project CRC Blue
Economy

ADB



Case study: Capul Ocean Power Project

Purpose

Innovative and transformative initiative aiming to develop the **Philippines' and the ASEAN region's first commercial ocean power plant** deploying **tidal in-stream turbines** in San Bernardino Strait, separating the islands of Luzon and Samar.

First step :

- Development of the **first ASEAN tidal stream power plant** off Capul island, on one of the 3 concession areas granted by the Philippine Department of Energy to SBOPC in 2013
- **1 x tidal turbine** connected to the grid
- Variability in power production handled by an **energy storage system** (onshore batteries)
- **Solar production** coupled with baseload provided by the tidal turbines (predictable)



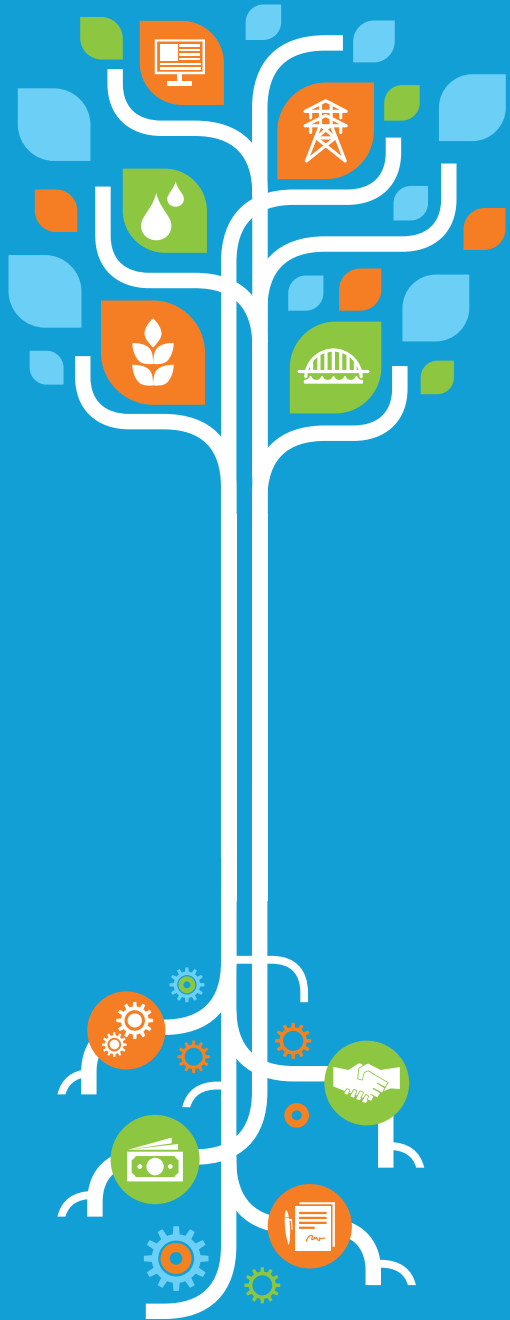


Benefits for local communities



- **Decarbonisation of Capul**, 14,000 islanders powered by a thermal power plant equipped with 4 diesel generators to **high percentage of green electricity** production, saving of over 850 tCO₂ per year
- **Energy security and cost competitiveness**, 24-hour reliable electricity supply (against 16h/day today, not considering the regular prolonged blackouts), competitive electricity cost independent from fuel price volatility
- **Economic development**, 100% electrification rate (against 60% today), key driving force for economic growth (refrigeration of fishing products, tourism) and social welfare (domestic use, grid-connection of the schools and the medical facilities)





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THANK YOU!

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