

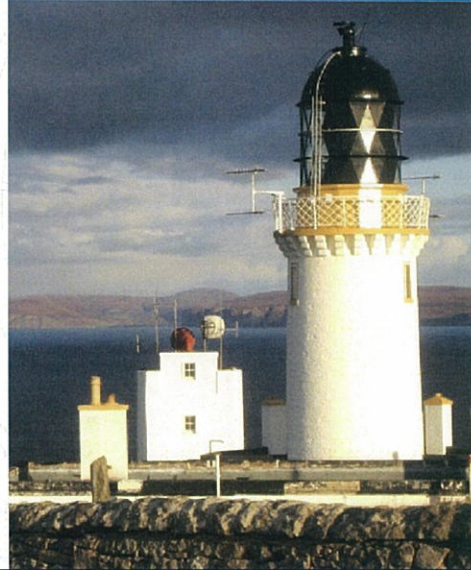
Clean, Sustainable and
Reliable energy solutions



Tocardo

Tidal & River turbines

Business Presentation



Clean, Sustainable and
Reliable energy solutions



[About](#) [Products](#) [Market](#) [Deployment](#)

Who we are

- Netherlands based tidal- and river turbine manufacturer
- Technology demonstrated since 2008
- Robust & simple technology
- Worldwide offices & representatives



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About Products Market Deployment

Behind TOCARDO



- Dutch specialist in smart offshore subsea solutions
- Production facilities worldwide



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About Products Market Deployment

Company approach



Stepwise up scaling

- Current market for < 500 kW
- Commercialize smaller turbines
- Easier and cheaper to install

Focus on kWh price

- Reliable technology
- Minimize maintenance
- Reduce project costs

Partner with specialists

- Project development
- Financing
- Installation and foundation engineering




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About Products Market Deployment

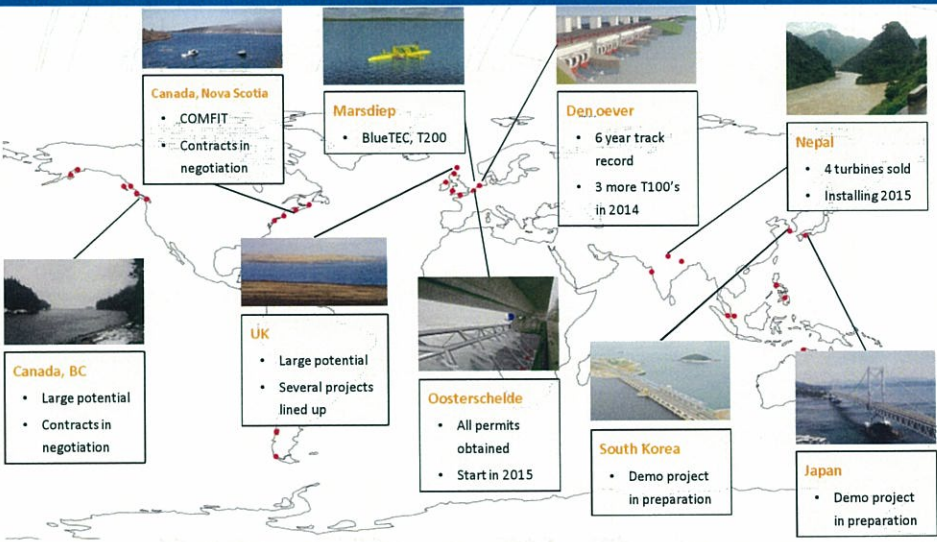
The turbines

<p>T100 (DC700 platform)</p>  <p>50..110kW</p>	 
<p>T200 (DC1000 platform)</p>  <p>110..250kW</p>	
<p>T500 (DC1500 platform)</p>  <p>350..800kW</p>	

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About Products Market Deployment



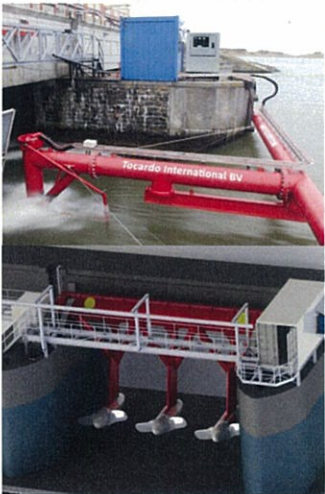
- Canada, Nova Scotia**
 - COMFIT
 - Contracts in negotiation
- Marsdiep**
 - BlueTEC, T200
- Den.oever**
 - 6 year track record
 - 3 more T100's in 2014
- Nepal**
 - 4 turbines sold
 - Installing 2015
- Canada, BC**
 - Large potential
 - Contracts in negotiation
- UK**
 - Large potential
 - Several projects lined up
- Oosterschelde**
 - All permits obtained
 - Start in 2015
- South Korea**
 - Demo project in preparation
- Japan**
 - Demo project in preparation

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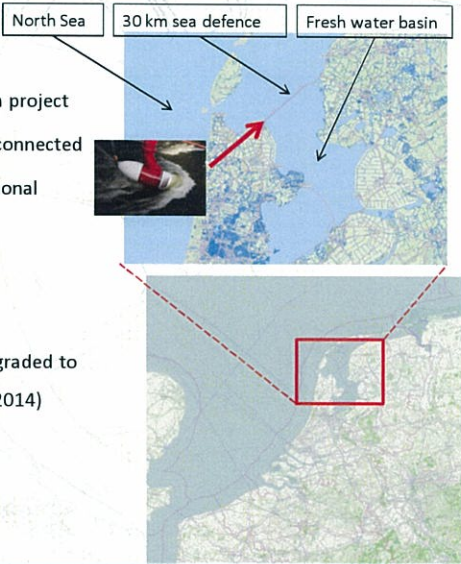
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TIDAL TURBINES

About Products Market Deployment

Den Oever project



- Demonstration project
- Full-time grid connected
- 6 years operational



North Sea 30 km sea defence Fresh water basin

- Now being upgraded to 3x T100 (Nov 2014)

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About Products Market Deployment

OFF-GRID TEST CENTRE



13 renewables
verbind de elementen

Geïntegreerde
Windenergie
Duurzaam gebouw
Energie Opslag
Energiebruiker







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About Products Market Deployment

Oosterschelde project

- World's first tidal plant
- 5 turbine array, 1 MW
- Powers 800 Dutch households
- Installation in 2015



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About Products Market Deployment

Nepal river project

- 400 kW demo project (8 knots current)
- Floating Tocardo Trimaran foundation optimized for river application.
- Grid connected
- Installation in 2015



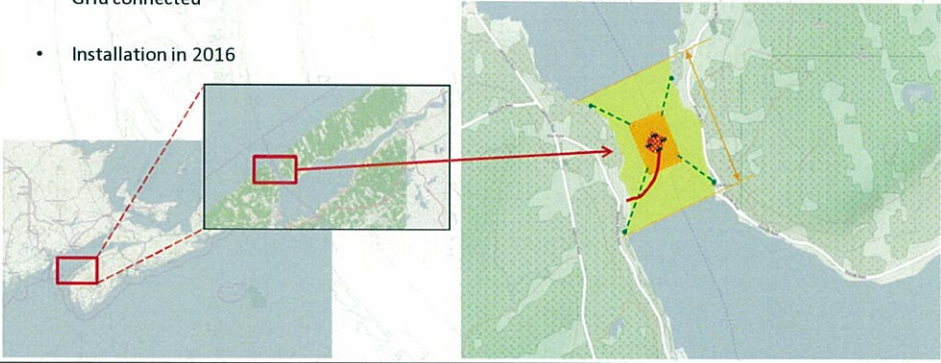

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About Products Market Deployment

Digby Gut

- 1.95 MW, 16x T2 turbines
- Floating Tocado foundation
- Grid connected
- Installation in 2016



The image shows a map of the Digby Gut area with a red box highlighting the turbine locations. An inset map shows the location of Digby Gut within a larger geographical context. A red arrow points from the inset map to the main map. The main map shows a yellow area representing the turbine locations, with a red dashed line indicating the grid connection. An aerial view of the Proteus DS turbines is shown in the top right corner.

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