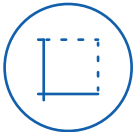


FLOATGEN
THE **FLOATGEN** PROJECT

FLOATGEN IS FRANCE'S FIRST OFFSHORE WIND TURBINE



A 2MW VESTAS WIND TURBINE



A 36X36M CONCRETE IDEOL FLOATING FOUNDATION



5 000 INHABITANTS SUPPLIED WITH ELECTRICITY



INSTALLATION ON CENTRALE NANTES OFFSHORE TEST SITE : SEM-REV AT 22 KM OFF LE CROISIC



33 METER WATER DEPTH



7 EUROPEAN PARTNERS

INNOVATION AT ALL LEVELS

Ideol's patented Damping Pool[®] floating foundation, the world's first floating barge designed for offshore wind

Innovate concrete and construction methods developed by Bouygues Travaux Publics

An international offshore facility operated by Centrale Nantes, SEM-REV, the first European multiple MRE technology sea site connected to the grid

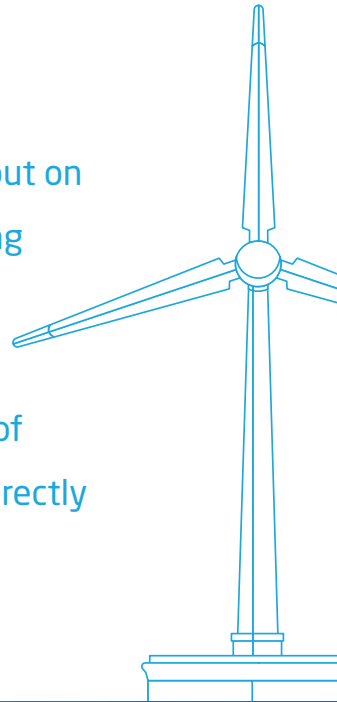
6 synthetic fiber (nylon) mooring lines, in a world first for a permanent mooring system of this size



TIMELINE OF THIS FLOATING PREMIERE

This timeline clearly demonstrates the core advantages of the technology developed: all of the construction activities were carried out on a sheltered port (not offshore) thereby reducing the associated risks and costs.

Floatgen will be deployed for an initial period of two years, and the electricity produced sent directly to the grid for this entire duration.



THE HIGHEST LOCAL CONTENT OF ANY

In comparison to other steel floating foundations, which are imported from abroad, the use of concrete for Ideol's floating foundation allows the construction to be located as close as possible to the deployment site. Construction at the Saint-Nazaire port was therefore a natural and optimal solution and has created a lot of local content. Additionally, the mooring system was manufactured by LeBéon Manufacturing in Brittany. For the majority of all other components or logistical activities, the Floatgen partners have also opted for suppliers within the Saint-Nazaire region.



2016 AUTUMN

2017

CONSTRUCTION OF THE
FLOATING FOUNDATION BY
BOUYGUES TRAVAUX PUBLICS
IN SAINT-NAZAIRE HARBOR



FLOATING WIND TURBINE

80% OF TIER 1
SUPPLIERS
ARE LOCAL

70 DIRECT JOBS

created at the height of the
project for the floating foundation
construction in Saint-Nazaire

20M€ IN ORDERS PLACED WITH LOCAL SUPPLIERS

OFFSHORE PRE-INSTALLATION
OF THE MOORING SYSTEM



INSTALLATION OF THE TRANSITION PIECE
AND THE WIND TURBINE AT QUAYSIDE



SUMMER

FLOAT-OFF



AUTUMN

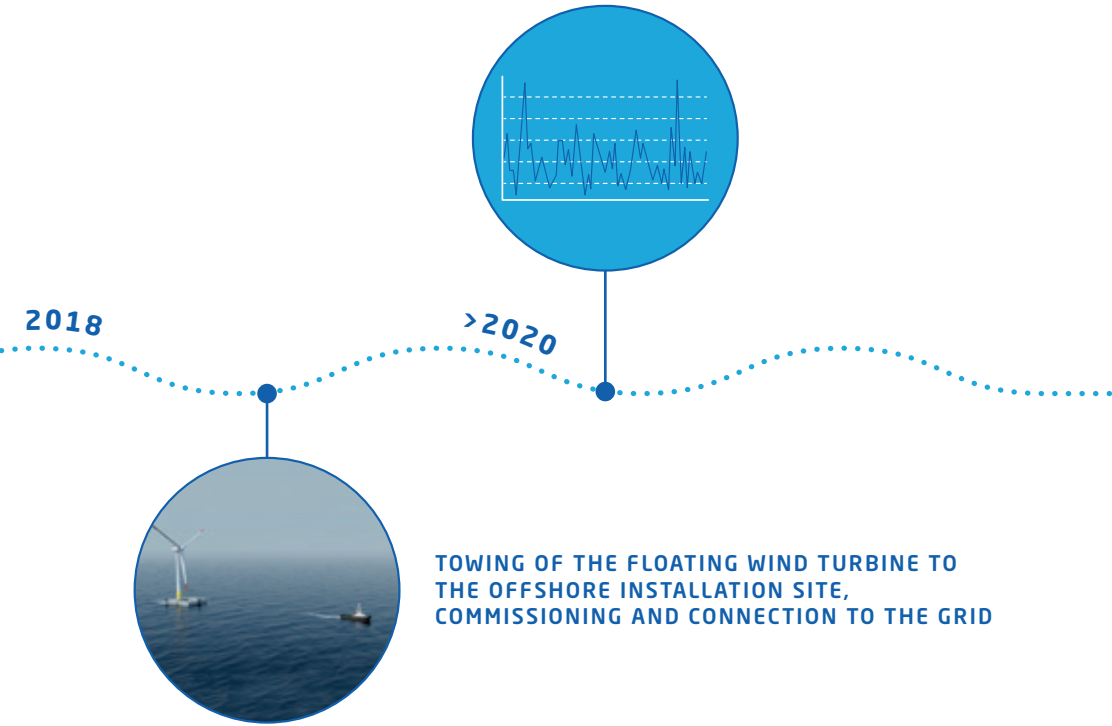
INAUGURATION
OF THE FLOATING
WIND TURBINE IN
SAINT-NAZAIRE



FLOATGEN IS THE STARTING POINT
FOR COMMERCIAL-SCALE DEPLOYMENT



MONITORING, TESTING AND CONFIRMATION OF THE PERFORMANCE OF THE SYSTEM



Floatgen has laid the foundation for a new industrial sector in France and abroad. Pre-commercial wind farms are scheduled by 2020 and commercial scale arrays by 2023-2025.

In fact, as the first demonstration unit for Ideol's floating technology, it has provided, and will continue to provide, the consortium partners with an unparalleled experience, particularly in terms of construction methods, deployment, and operation, in addition to its value as a showcase model for future export.



FLOATGEN.EU



Credits : Ideol/Bouygues TP/ECN/Above All - FBadaire - Nantes Saint-Nazaire Port ; Graphic design : Flydesigners

PARTNERS



SUPPORTED BY

