

## PRESS RELEASE

## Floatgen - award-recipient at the 2017 “Trophées de la Transition énergétique”

The Floatgen project for the first offshore wind turbine in France, soon to be completed in the Port of Saint-Nazaire, received the “prix Energies Renouvelables” (Renewable Energies Award) for the 2017 Trophées de la Transition Energétique (Energy Transition Trophy) organised by L'Usine Nouvelle during a ceremony on Tuesday 16 May in the presence of Jean Jouzel, climatologist and former vice-president of the IPCC.

16 May 2017 in Paris, – Floatgen, picked up the award at the third edition of the “Trophées de la Transition Energétique”. The project consists in an offshore wind turbine equipped with a floating foundation designed by the French specialist Ideol, built by Bouygues Travaux Publics in the Port of Saint-Nazaire which is to be installed off the coast from Le Croisic at the SEM-REV test site operated by Centrale Nantes.

More than 80% of the concrete shell for the floating foundation has been built to date.

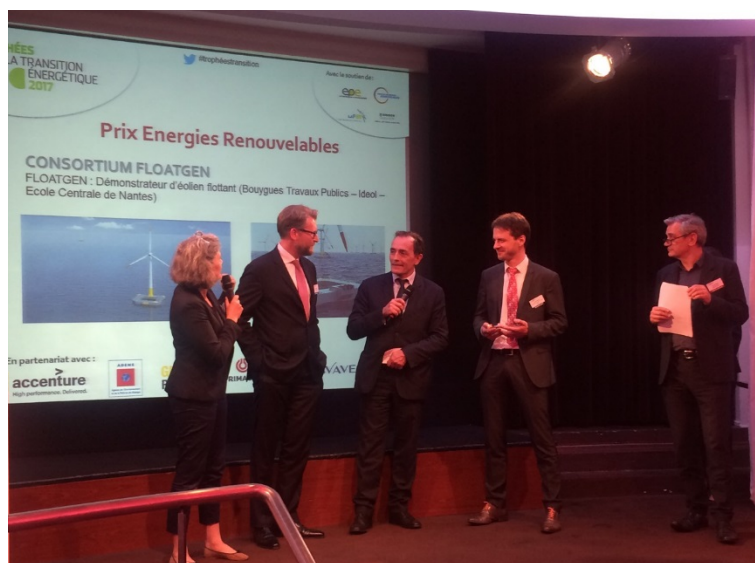
The entire anchoring system has been produced and will be installed at sea on the SEM-REV site in June, before the demonstrator comes into service by the end of 2017. Floating wind is the future of wind power. It allows for the development of projects without depth constraints, far off the coast, without visual impact, on the windiest sites. Floatgen bears witness to the reality of the emergence of this sector.

Offshore wind is a fast-growing sector. More than 3600 wind turbines are in operation around the world today, representing a cumulative investment of more than 65 billion euros since 2010.

This new industrial sector has emerged across the world. Except in France, where there are currently no offshore wind turbines. The first one will be a floating turbine: Floatgen.

Whilst France may lag behind on traditional wind turbines, (the fixed offshore wind turbine), it has unique assets to position itself as an international leader on the new floating turbines.

Thus, the solution developed and patented by Ideol (known as Damping Pool®), designed to be the most competitive on the market, marks a technological breakthrough in the offshore wind market and opens up an ocean of possibilities for the development of projects across the world. This technology was selected by the French government to equip the first wind farm in the



*Bruno Geschier, Sales and Marketing Director at Idéol, Benoit Lange, Sales Director at Bouygues Travaux Publics flanked by Usine Nouvelle journalists and David Marchal, Deputy Director of Sustainable Energy and Production at ADEME*

Mediterranean (Eolmed project with the Quadran energy company) and won export contracts in Japan, the United Kingdom and Ireland.

#### **Floatgen, a project with seven European partners**

The project, which began in 2013, brings together seven partners: **Ideol**, design and provision of the entire floating system (foundation, anchoring system and electricity export cable) as well as the wind turbine, **Centrale Nantes**, ocean engineering expertise and access to its offshore test site, **Bouygues Travaux Publics**, floating foundation construction, **the University of Stuttgart** participation in the study phase simulations, **RSK GROUP** environmental impact analysis, **ZABALA** project management; and finally **FRAUNHOFER-IWES** comparative analysis of the different floating solutions.

It is supported by the European Union as part of the FP7 programme, by the French Environment and Energy Management Agency as part of the national Investments for the Future Programme, and by the Pays de la Loire region. This project is a precursor to the installation in coming years of first pilot, then commercial, offshore wind farms. More information on [www.floatgen.eu](http://www.floatgen.eu)



*Ideol, based in La Ciotat (in the south of France), was founded in 2010 with the objective of developing floating foundations for offshore wind power, guaranteeing technical reliability and maximum economic viability. The company has designed a floating foundation for offshore wind power based on the patented "Damping Pool" concept, compatible with all wind turbines on the market. Ideol's teams, made up of dozens of engineers and experts from renewable energies and the offshore oil sector, are currently working on several projects around the world including the first offshore wind turbine in France (the FLOATGEN project), the next floating wind demonstrator in Japan scheduled to be installed in 2018, the first floating wind farm in the Mediterranean, the EolMed project, and a pipeline of commercial projects in the UK and Ireland. Ideol is positioned as a leader in this growing market.*



*A member of the Ecoles Centrale Group, Centrale Nantes is a French engineering school providing academic courses at master and PhD level based on the most up-to-date scientific and technological developments and on best management practices. Established in 1919, Centrale Nantes has 1650 students on its 40-acre campus, including 1,340 general engineering students (master equivalent), 200 students on degree apprenticeships, 240 PhD students and 270 Master students. With a complete set of platforms for digital simulation (ICI), ocean basin modeling and in situ experimentation (SEM-REV), Centrale Nantes is heavily involved in training, research and innovation in the maritime sector (naval, off-shore, marine renewables). It is uniquely placed among engineering schools, with a strong focus on exploration, entrepreneurial spirit and technology; from basic to applied research, from theory to producing solutions to meet economic and industrial challenges.*



*A subsidiary of Bouygues Construction, Bouygues Travaux Publics undertakes major civil engineering projects: underground work, river and maritime works, linear projects (railways, motorways and roads), industrial civil engineering (including nuclear, energy and environment), earthmoving and surface mining activities. The company's expertise is recognised at home and abroad in the design and execution of complex*

*operations combining business planning, management of major projects and mastery of advanced techniques.*

*Combining appropriate nautical resources and recognized know-how, Bouygues Travaux Publics is uniquely qualified in the offshore construction of sustainable infrastructure to meet the environmental and technical challenges of its customers (offshore extension of Calais Port, Nantes Saint-Nazaire Port, Tanger Med 2 Port in Morocco, Pusan Port in South Korea). The company has been actively involved for several years now in the development of Marine Renewable Energies in France, innovating in construction methods and the development of new materials.*

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