



## Introduction of *Hexifloat*<sup>™</sup> – invented and developed by Hann-Ocean

To derive maximum total power output in kW and minimum cost-per-power ratio in \$ per kW, Hann-Ocean Technology, levelling on its strong R&D capability in floating platform and pontoon connector technologies and its rich experience in the related product developments, has designed a novel Modular Floating System for Solar and Wind Energy Devices, namely “Hexifloat” ().

Hexifloat can support installation of multiple types of renewable energy devices such as Solar Modules, Wind Turbines, Wave Energy Converters and/or Tidal Turbines on one or many joined floating modules. This makes the Hexifloat a comprehensive or “all-in-one” floating renewable energy platform. The assembly of the platform from the modules can be done in floating mode on water, thanks to the ABS certified Rigid Pontoon Connector (Patent No. PCT/SG2006/000008) from Hann-Ocean.

Hexifloat is able to utilize the same space of water or land for a much higher total energy output in kWh at any time and a greater average energy capacity density in Kwh/m<sup>2</sup>/year than any single source of renewable energy production facilities. Hexifloat also offers a cost-effective solution to create a large surface area with minimal material and cost, thanks to a pre-tensioned wire system surrounded by a trust system including connection beams and buoyancy pipes. It reduces the initial investment for the platform in terms of \$ per sq.m.

Hexifloat offers an excellent stability for the floating module or joint platform in both static as well as dynamic condition where waves are strong. The structure can be customised to operate in the inland water as well as withstand rough sea offshore. It is flexible in both size and formation. Thereby the structure can meet every customer’s needs. Together with superior strength, the Hexifloat has also been designed for a pleasing appearance in the environment. Furthermore, all parts of the Hexifloat module can be packed into one ISO 40ft freight container for low cost shipping and transportation as well as easy storage. See more on our website at <http://www.hann-ocean.com>.

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