Combination of 2 technologies makes wind power more sustainable

CORROSION and Amphibious Energy today announced the launch of the new ICCP-POD, an environmentally friendly alternative to using diesel generators to supply energy during the construction phase of wind turbines, and sacrificial anodes to protect turbine foundations against corrosion.

The ICCP-POD combines two advanced technologies. The EnergyPod, developed by Amphibious Energy, is an easy-to-transport autonomous energy plant that uses sun, wind, batteries and intelligent electronics to provide sustainable energy during the 18-month construction of wind turbines, meaning that costly and environmentally unfriendly diesel generators are no longer required.

To protect against corrosion during this construction phrase, CORROSION developed compact ICCP (Impressed Current Cathodic Protection) units. By using an electronic current supplied by the EnergyPod, these represent an innovative eco-friendly alternative to sacrificial anodes, which discharge large quantities of metals and heavy metals into the water. When the wind turbines are installed and grid-connected, the energy supply for the ICCP system is switched from the EnergyPod to the wind turbine itself.