

NKE AUSTRIA contributes to renewable energy by supplying bearings for marine current turbines

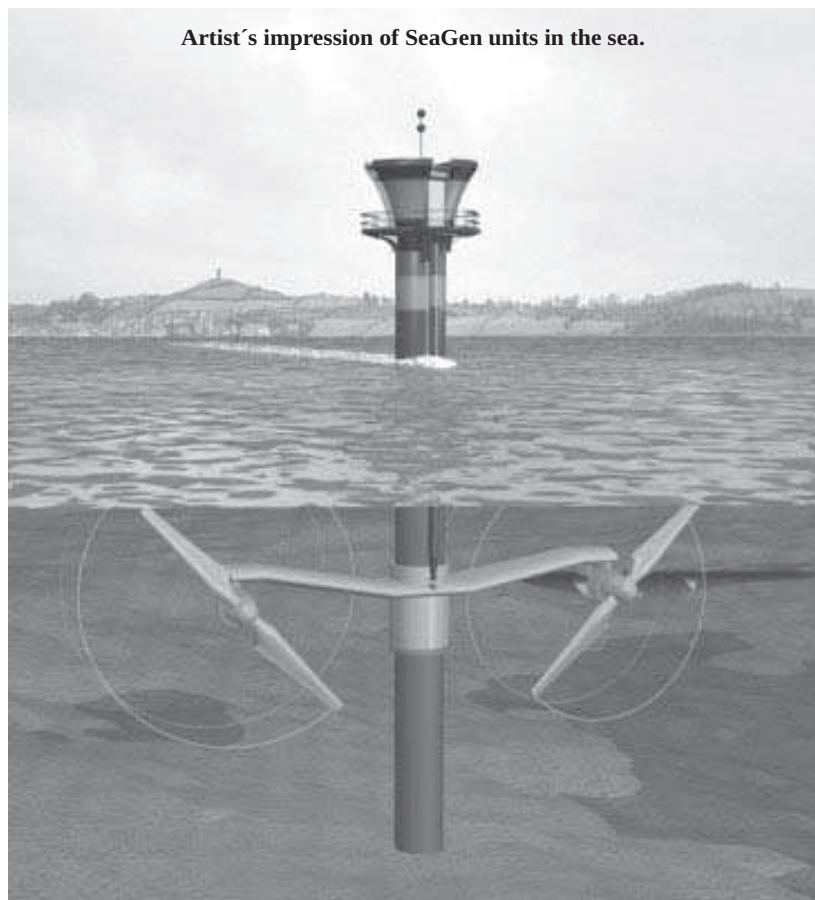
SeaGen, the world's first commercial tidal current turbine in Northern Ireland's Strangford Lough, runs with bearings from NKE AUSTRIA.

Tidal current turbines are among the latest developments in renewable energy. Installed undersea, the turbines are driven by the tidal flow of water. Bearing manufacturer NKE Austria supplies the bearings for the gearboxes of these underwater windmills.

The 1.2 MW SeaGen tidal current turbine has been developed by leading tidal turbines technology developer Marine Current Turbines Ltd. (MCT) based in Bristol, United Kingdom. The turbine works much like an underwater windmill, but is driven by the tidal current rather than air. Unlike wind energy, which is subject to the random nature of the weather, tidal flows are much more predictable. Moreover, due to the higher density of water compared to air, underwater turbines do not need to be as large as wind turbines. SeaGen has been installed in Northern Ireland's Strangford Lough and is the world's first commercial tidal current turbine.

The SeaGen turbine's gearbox has been designed by Orbital2 Ltd., a leading UK developer of renewable energy gearboxes and is being manufactured in the Czech Republic by Wikov MGI. The gearbox developers and manufacturers have selected NKE AUSTRIA to supply the bearings. Decisive in their choice were NKE's excellent technical support and short production lead times. NKE has been a capable and efficient partner in bearing technology. The availability of large main rotor shaft bearings is the decisive factor for this project, said Dr. Frank Cunliffe, managing director of Orbital2.

NKE supplies nine different types of bearings for the gearboxes, including deep groove ball bearings, tapered roller bearings, cylindrical roller bearings and



Artist's impression of SeaGen units in the sea.

four-point contact ball bearings, with outer diameters from 300 to 1090 mm.

Besides bearings for tidal current turbines, NKE supplies bearings for other renewable energy sectors, especially wind energy. By winning contracts worth millions of euros from renowned wind turbine and gearbox manufacturers, NKE has been actively contributing to the development of technologies aimed at reducing emissions.

NKE AUSTRIA GmbH is a bearing manufacturer with headquarters in Steyr,

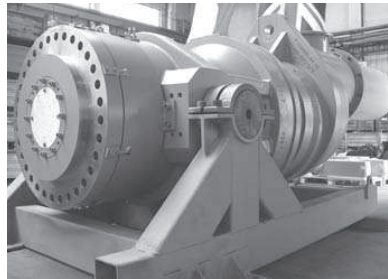
Austria. Founded in 1996 by a group of senior staff members of former company Steyr Wälzlager, NKE has about 180 employees and offers both standard and special bearings for all industrial applications. NKE's core functions - engineering, product development, final processing of components, assembly, quality assurance, logistics, and sales and marketing - are centralised at its Steyr headquarters. The Steyr site is accredited to ISO 9001:2000 (design, development, production and distribution of bearings)

and ISO 14001:2004 Its wide range of standard bearings are either available from stock or on short production lead-times. NKE also provides tailored prod-



The tapered roller bearing is one of the NKE bearing types used in SeaGen gearboxes.

ucts and solutions. In addition to product development and application engineering NKE provides a full range of technical services, consulting, documentation and



The gearbox of SeaGen is equipped with nine types of NKE bearings

training. NKE's products are distributed through 15 international representative offices and more than 240 distribution outlets in 60 countries.

NKE
1, Siddhartha

64/21, Erandwana-Pune 411 004 India
BHAGWAT Ashok
Tel.: +91(20)25435708
Fax: +91(20)25435708
abhagwat.nke@gmail.com



The marine current turbine SeaGen being assembled

NKE AUSTRIA GmbH
Im Stadtgut C44407 SteyrAustria
www.nke.at
MO Janet
Tel.: +43 7252 86667-345
Fax: +43 7252 86667-59
E-mail:j.mo@nke.at

MIC Electronics Ltd launches 15 new LED based products

MIC Electronics Limited (B.S.E Code: 532850), global leader in design, development & manufacturing of LED Video displays & high end Electronic & Telecommunication equipment has revealed a set of 5 new LED based products categories.

MIC has always been a pioneer in LED technology & has now decided to diversify its business model by making a full fledged foray into LED Based lighting products and solutions.

MIC has planned to launch 5 new product categories with 15 variants in total. The categories of LED are given below:

- LED Tube and Bulb
 - LED Angel – Table top decorative product
 - LED fittings for Modern offices
 - LED fittings for Hospitality industry
 - LED fittings for outdoor applications
- The launch of above products & the future expansion plan in phase one calls for Rs170 cr capex which will result in a production level of Rs 350 cr in a full

year. The first phase will be implemented at Hyderabad, new unit being set up, followed by Roorkee and Visakhapatnam.

MIC believes that people today have become more conscious of reducing the consumption of electrical energy owing to the Go Green drive spread across the world. They are self motivated to preserve nature and achieve an ecological balance. MIC realizes these & sees a great potential in their environment friendly products meeting these objectives.

Commenting on the event Mr. M V Ramana Rao, Chairman & Managing Director, MIC Electronics Ltd said, "These products add to the portfolio of the few environment friendly products available in the market today. With the increasing awareness about preservation & consumption of nature & seeing immense future production in the field of LED products we are also planning to double the production capacity in the coming 12 months"

About MIC Electronic Ltd:

MIC Electronics Limited. is a global leader in the design, development &

manufacturing of LED Video Displays, high-end Electronic and Telecommunication equipment and development of Telecom software since 1988. Recently, MIC's flagship products are LED Video Displays (indoor / outdoor / mobile), that have become an integral part of Sports Stadiums, Transportation Hubs, Digital Theatres and Theme Parks, Advertisements and Public Information Displays.



Headquartered at one of the fastest emerging IT cities, Hyderabad (India), it has nation wide presence in the form of a vast network of marketing, sales and service support centres in all metros of India. To meet the demand of its products worldwide, it has offices in Australia, Korea and USA. Now the company is gradually setting up operations in other international markets.

For more information

Ms.Snehal Vaidya:
E-mail:snehal@conceptpr.com