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ABSTRACT SUBMISSION — SOUMISSION DE RESUME

Topic No.: / Sujet n° : ----- or / ou
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ABSTRACT / RESUME:

As technological advances are progressing in leaps and bounds, there is an impelling need for keeping up with this change in the AtoN field. With this point in view and to strengthen IALA's objective to provide advanced aids to navigation for an accurate, safe, efficient and environmentally friendly shipping, Woori Haeyang has been allocating a sizeable percentage of its business in undertaking research work. Building capacity of its workforce through research and in-house training and practical applications, has provided greater dividends in the area of giving to the world newer technology.

One of our outstanding contributions is re-designing a lantern which for many years have served as a beacon to the world's mariners who used the lighthouses to fix their positions and to make landfall. There are over 1,000 lighthouses in Korea and most of these have long range lights fitted to them. Let us take the example of the Geo-mun-do Light house. This century old structure provided seafarers with direction and position and a hope that land is near at last after a long, perilous voyage! But the Geo-mun-do lighthouse and many other such conspicuous infrastrucrues had been using enormous power causing environmental pollution. We have taken the toxic Mercury out of the older halogen lights and replaced them with high intensity LEDs, as well as using a much reduced power.

Our presentation today will focus on our "Polaris 27 nm Rotating LED lantern".



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