

ABSTRACT SUBMISSION –– SOUMISSION DE RESUME

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ABSTRACT / RESUME:

 As the development and progress of marine technology, mariners are increasingly dependent upon the information provided by various modernized navigational aids which aim to guarantee navigation security and facilitate vessels. Meanwhile, the demand for traditional aids to navigation is still exist. China's navigation management authorities have been trying to provide the highest quality products and best service to mariners and navigators. We develop a variety of integrated lanterns with navigational manufacturers. For example, in order to improve the installation and maintenance efficiency of aids to navigation, we design integrated lanterns with integrated optical source system, energy system and remote monitoring system. To improve the reliability of important aids to navigation, we develop a kind of integrated lantern with the main lantern, standby lantern and main and standby conversion devices. We also develop integrated e-lantern equipped with AIS and lights to improve the efficiency of aids to navigation. In sum, the application and modification of integrated lights effectively reduces AtoN maintenance and greatly improves the efficiency of aids to navigation.