

Suitability of LoRaWAN technology for the development of maritime application

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Abstrak

ABSTRACT

The LoRaWAN Technology opens new possibilities for gathering and analysis of distributed data. In the paper we concentrate on its maritime usability which was tested by us in the period from June to August 2018. Measurements of the LoRaWAN network coverage in the Bay of Gdansk area were carried out. Various conditions and places were tested. The research was planned in such a way as to gradually increase the range and control the impact of environmental factors. The results of the measurements confirm the wide application and a broad range of the technology. Combined with cloud computing it leads to new kinds of services and applications.