

Abstract

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Wireless Monitoring and Controlling Marine Navigation Parameters

This paper is a practical implementation of data acquisition system based on navigational devices. The data are extracted from different ship sensors on board. The objective of this paper is to build a navigation system based on sensors to simulate the original system. This system is implemented by collecting data from different sensors which are connected to microcontrollers PIC 16F628A & P16F886 then these data is transmitted wireless using Serial UART wireless module (200M Range-433 Mhz) to a computer station which enable continuous tracking for the all ship's sensor which indicate the situation in receiving site located at another place .The simulated system is built by using Lab View version (13). The ROM cost of the system around (220\$).