

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 sensor's ship 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 .Transmission data wireless based on Wireless Module Serial UART (200M Range-433 Mhz) to a computer station which enable continuous tracking for the ship's situation from any place without restrictions .The simulated system built by using Lab View version (13) the total cost of the system (220\$).