SOFTWARE DESIGN OF SHIPS FUEL
CONSUMPTION MONITORING SYSTEM
IN REALTIME

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Abstract

This final task address the software design process for shipping the system automation applications. This software will record, display and transmit data fuel consumption ship in realtime. Data from the flowmeter was recorded fuel sensor is sent to the software and then it do the calculation of the volume of fuel that has been used and distance traveled. Then the data is stored on a server and displayed by website in realtime. The end result of this study is a software and website for monitoring in real time by the owner on the ground. It is expected that the software is then obtained by the ease in monitoring fuel consumption on board and also to prevent fraudulent sale of illegal fuel. After a simulation with artificial data, software and website monitoring of observers succeed in doing realtime. In the process of simulation, it was found overlap data between 2-5 seconds after the running software for few minutes.

Key word: fuel, rule, automation, realtime