

ABSTRACT

Nowadays rare of Oil Fuel happened in some area in Indonesia, along with the happening of rare of Oil Fuel in some area, there are some issue concerning about the rare of the Oil Fuel, One of the issue is reduction (Pengencangan) of Oil Fuel by the tank car driver after exit from depot. Therefore required systematic observation system which can show field circumstance manifestly, system which can give real time data according to existing circumstance field so that Pertamina can observe the distribution of Oil fuel by the tank car.

Therefore needed an observation system which can show the circumstance manifestly. In this final task writer design the distribution observation system which can show the circumstance. Afterwards the function of this system can help Pertamina reduce the reduction of the Oil Fuel by the tank car driver.

This sytem use three integrated technology so can fulfill the purpose which have been specified in the early research. Phase performed within this final task are analyse the existing system, design the prototype system where the design consisted of the GIS design, Communication hardware design, and the design of the system scenario work process. After the design process continued with test-drive phase of the design result, and then analysed whether the system has fulfill the purpose design.

This system can help Pertamina to observe tank car easier, data delivered in real time, and can observe more than one tank car. This system also allow the customer monitoring the tank car when distributing Oil Fuel to the customer.

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