

Transforming Fuel Tracking: Enhancing User Experience for Fleet Owners

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Abstract: *This research paper documents a UI/UX design project aimed at solving the problem of fuel transparency for fleet owners through the development of a mobile application. Motivated by the desire to enhance the user experience and empower fleet owners, the study focuses on installing sensors in trucks to accurately measure fuel levels. These measurements are then displayed in a mobile application, providing real-time information to fleet owners. The results of this design intervention demonstrate the successful resolution of the problem, enabling fleet owners to make informed decisions regarding fuel management. The implications of this research include improving user experience and addressing the specific challenges faced by fleet owners in their fueling processes.*

Keywords: Fleet management, Fuel transparency, Design solutions, UI/UX design, Real-time information

REFERENCES

- [1]. Benefits of Fuel Management System - https://www.fleetx.io/solutions/fuel-management-system?utm_source=google_cpc&utm_medium=fuel_management&adgroupid=fuel&utm_campaign=+General+Fuel&utm_content=634180626894&utm_term=fuel%20monitoring%20system&utm_source=adwords&utm_medium=ppc&hsa_acc=5990861962&hsa_cam=1883567946&hsa_grp=126609023161&hsa_ad=634180626894&hsa_src=g&hsa_tgt=kwd-308304478491&hsa_kw=fuel%20monitoring%20system&hsa_mt=p&hsa_net=adwords&hsa_ver=3&gclid=EAIAIQobChMIh4ab-qDN_wIVlpJmAh2AoQVYEAAYASAAEgKDifD_BwE
- [2]. https://www.hectronic.com/in?gclid=EAIAIQobChMIh4abqDN_wIVlpJmAh2AoQVYEAAYAAEgKeFPD_BwE
- [3]. EM400-MUD Multifunctional Ultrasonic Distance Sensor - https://www.milesight-iot.com/products/lorawan-sensor/em400mud/?utm_term=fuel%20tank%20sensor&utm_campaign=EM400Series&utm_source=adwords&utm_medium=ppc&hsa_acc=8292105947&hsa_cam=20151117118&hsa_grp=150635485593&hsa_ad=658902616543&hsa_src=g&hsa_tgt=kwd351754096927&hsa_kw=fuel%20tank%20sensor&hsa_mt=b&hsa_net=adwords&hsa_ver=3&gad=1&gclid=EAIAIQobChMIh4abqDN_wIVlpJmAh2AoQVYEAAYBCAAEgItKfD_BwE
- [4]. Fuel level sensor with GSM and GPS - <https://jv-technoton.com/products/dut-e-gsm/>