



CPSTL SMART MAPPING APPLICATION: UTILIZATION OF GOOGLE MAPS FOR SRI LANKA'S DOWNSTREAM PETROLEUM INDUSTRY

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ABSTRACT

The vision of Ceylon Petroleum Storage Terminals Limited (CPSTL) is to be the most efficient petroleum terminal operator in South Asia. CPSTL is the entity responsible for 90% of both storage and distribution of the Sri Lankan downstream petroleum industry. This encompasses tanker and tank farm operations, island-wide delivery of petroleum products by rail, road, pipeline whilst providing of ERP services, laboratory services for the whole industry. Every single industry (including transportation, agriculture, manufacturing, logistics, IT, aviation, tourism etc.) and every strategically important sector is dependent upon the timely delivery of petroleum products island-wide. CPSTL operation is accomplished via 02 main oil storage terminals and 12 island-wide bulk depots. CPSTL logistical operation involves supplying of fuel to customers (i.e. filling stations and individual consumers), whilst replenishing the island-wide bulk depots. CPSTL Smart Mapping application successfully provides route and distance related solutions for the above operations. The “CPSTL Smart Mapping Application” project was initiated in February 2014, with the intention of making use of the Google Maps technology as a mean method of determining the distances to customer locations from all the island-wide CPSTL locations and to simultaneously provide the filling station related information to the general public by addition of the details in Google Maps. This catered for the absence of a scientific method in current practices of distance measurement methods. There were various conflicts among the two marketing companies, transport vendors, drivers, porters, dealers and consumers with regards to the currently adopted distance records. The purpose was to formulate an independent platform where all the parties would agree upon. CPSTL utilizes its own and a fleet of hired tank lorries for product delivery. The hired tank lorry payments are made for the fuel quantity and the distance travelled, which will be categorized as low and up country. Trip time is defined as the time taken for a trip by a tank lorry, where it will be the base for overtime and batta payments for CPSTL tank lorry drivers and porters. Trip time is derived from the distance travelled as per the allowed tank lorry speed limits.

Keywords: Downstream petroleum industry, logistics, storage and distribution