

SAP LEONARDO IOT FOR THE INTELLIGENT ENTERPRISE

Optional Ideation Challenge

By

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Outbound Monitoring of Commercial Vehicles of Transportation Companies in Nigeria using IOT

For the past few years in Nigeria, commercial vehicles have not been achieving its full patronage/potential due to high risk of Robbery Attacks and Kidnapping on the highways. Currently, they use private security men for each commercial vehicle travelling out to different destinations. The challenge resulting from this is that 1. It cost the transportation companies more money to pay each hired security men for each vehicle leaving its destination per day. 2. Most middle and high class professionals prefer to fly (air transportation) than to use ground transportation because of safety. 3. Finally, the revenue generated from achieving its's full potential business outcome and customer patronage is not fully achieved.

Having gone through the IOT Scenarios in this course in relations to SAP Leonardo IOT Bridge, I came up with the idea of using IOT to monitor and track possible robbery attacks and kidnapping on the highways from 10 Kilometres away from the incident. I will like to call this concept, total visibility which will take advantage of Internet of things in the enterprise context by using data from IOT sensors embedded in the commercial vehicles into the business context to fully assess the impact of such occurrences through the safety monitoring of the transportation companies which affects the business financially.

This concept will be achieved by integrating IOT and non-IOT solution, on premise and in the cloud in such a way that an IOT monitoring device placed on vehicles which includes geographic map locator and a GPS Vehicle Navigation system tracker, can track and see Images of assault weapons like guns, knives, bombs and human movement/behaviour with those weapons from 10 kilometres away from the incident area, sending a signal to the drivers of those commercial vehicles and to the tracking and monitoring systems of the company office, thereby alerting them of such incidents on highways.

This will be called a prescriptive guidance or a resolution support in real time. With the Collaboration of the integration, Transportation companies will achieve their full business outcome potential/patronage and minimize the cost of labour in hiring private security men for each commercial vehicle and in turn improve revenue generation.