Saving ***** BD yearly, BAPCO steps into the future of Artificial intelligence and Internet of Things (IOT) by deploying Kerosene subsidization, the first of a kind in the kingdom

BAPCO utilizes innovative technologies in partnership with AWS to optimize government spending on kerosene supplied to bakeries.

1st November , Manama, Bahrain

Before utilizing modern technologies, BAPCO was using semi-automated solution and guestimate formula and numbers through pre-defined quota to identify the fair usage of kerosene for bakeries. The annual subsidization reached ********* BD** in 2019 and the latest technologies will optimize the government spending while ensure satisfying bakeries on the other hand.

AWS and BAPCO aligned with the cloud innovation center at UoB, the first in the region to leverage university students to solve real world problems and enhance their knowledge, skills, employability and readiness to join the labor market.

Expertized team from AWS and BAPCO were assigned to develop a web enabled IOT solution that captures all data from bakeries and be able to monitor, control and predict through AI/ML the fair usage of subsidized Kerosene. Aiming to control and eliminate the manipulation of the subsidized kerosene allocated for bakeries and optimizing the government spending by identifying the actual kerosene consumption for each bakery.

An IOT solution that captured 3 types of sensors data (level of kerosene in the tank, temperature of the oven and the flow of kerosene in the pipes, the data is transferred through the GSM network in real time stored in the cloud on DynamoDB, where the AWS analytics tools on the IOT platform will define and present on an insight AWS dashboard to show and highlight in real time the fair, average and above average of kerosene consumption per bakery.

QUOTES TO BE ADDED LATER

A web enabled dashboard and real time reports (hourly, daily, weekly and monthly) that display the consumption compared to fair and average consumption for subsidized kerosene by bakeries.

Bapco CEO expressed his appreciation for the grateful efforts made by the team and their enthusiasm for continuous improvements, wishing them the best in all participations.

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To experience a demo version of Kerosene, please reach out to:-

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