



**DRAFT – NOT FOR DISTRIBUTION**

# Kerosene Subsidy Control Tool FAQ

## Bapco

### **Q1: How can I use the service?**

A: A web enabled dashboard that enable user to monitor, control and predict kerosene consumption and subsidization for each bakery and define the fair usage of kerosene in relevance to operational hours for each bakery.

### **Q2: Is there a user manual?**

A: Yes at the end of the prototype, a user manual will be provided highlighting the how to use and how to extract useful information

### **Q3: Is it free or paid, if paid, who much it will cost**

A: For developing the prototype, it will free to use the AWS credit within the CIC program. For BAPCO and at the end of the prototype, a detailed cost will be provided for 1 bakery and for all bakeries. The cost will have 3 parts first will be the equipment's, sensors, connectivity and setup of devices, second is the cloud services and development of the platform and the third cost will be the cost of continuous usage of services on AWS platform on monthly basis cost.

### **Q4: What is bandwidth needed?**

A: The sensors at each bakery will collect data and transmit it over GSM/SMS services to the internet gateway, as for BAPCO user will be using normal internet connectivity to access the AWS cloud services and access the dashboard via his/her browser.

### **Q5: Is there any equipment needed? and if so who will provide and what they are?**

A: Yes AWS through the CIC will provide all needed services and equipment's, there will be initially two parts of the solution, hardware component and software components. The hardware components are 3 sensors (microcontroller, sensor for



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level of kerosene, flow of kerosene and heat sensor), while the software components are group of services for gathering, analyzing and browsing the data over dashboard

**Q6: Is there a browser or application needed?**

A: A browser is all what the use needs to access the cloud-based dashboard and as there will be no application needed to be downloaded

**Q7: How the system will work and what are the factors used in quota determination?**

A: A web enabled dashboard and real time reports ( hourly , daily , weekly and monthly) that shows usage compared to fair and average usage subsidized kerosene by bakeries.

The factors that are used in quota determination will be the operational time of the Bakery, along with heat and temperature that oven is operational and the flow of Kerosene and total consumption of kerosene.

**Q8: Does the solution include the new customers (new bakeries)?**

A: The prototype will be deployed at 2 bakeries only, 1 small non automated and 1 large size automated Bakery. The prototype doesn't include any new Bakery.

**Q9: Is there any notifications incorporated in the system for the above average Kerosene consumption by the customer (Bakeries)?**

A: The dashboard will show the bakeries and relevant consumption and it will be colored initially by on average (Yellow), below average (Green) and above average (Red)

**Q10: Is there any educational material about the system**

A: Yes at the end of the challenge, we will provide a video and guidelines for the system usage