

Case Study – Fuel Consumption Management at Infosys Ltd.

In early 2009, Fluidyne Control Systems team collaborated with IT infrastructure giant Infosys for 148 flowmeters and fuel consumption monitors across 10 locations. Fluidyne installed devices in Pune Phase 2, Jaipur, Trivandrum, Chennai, Hyderabad, Mysuru, Mangaluru and Mohali.

Fluidyne flow transmitters provide ideal flow measurement solution when precision flow sensors are required to be interfaced with Industrial control and automation systems. A choice of analog, frequency and serial data outputs provides all the variety required for any application in the Industry.



Fig. Installation of FCM on 3000 kVA MTU Engine, Infosys Chennai Campus

The Positive Displacement Flow Meters & Fuel Consumption Monitoring Systems are used for inline fuel monitoring and fuel consumption by diesel generator sets of any OEMs. Positive Displacement meters are basically used to measure inline flow of fuel from Main Storage tanks to Buffer tanks. FCMs are selected on the basis of –

1. Make of DG set
2. Model of DG set
3. KVA rating of DG set

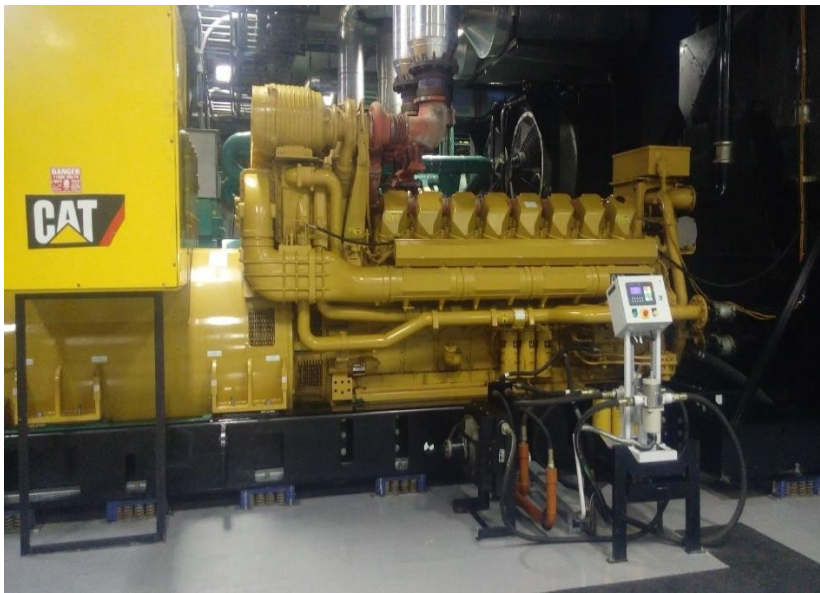


Fig. Installation of FCM on 3000 kVA CAT Engine, Infosys E-City Bangalore Campus



Fig. Installation of FCM on 2000 kVA Perkins Engine, Infosys E-City Bangalore Campus

Positive Displacement meters are provided along with various output modes like – Local Display, 4-20mA, Remote Rate Indicator, RS485 Modbus Output, Bluetooth, RF transmitter with Cloud Computing data access.

Through Positive Displacement meter units, liquids get separated into exactly calculated increments which are then further counted by a connecting register. Since every measured increment represents a distinct volume, these types of meters are widely used for automatic batching and accounting purposes. Thus, positive displacement flowmeters are known for their accuracy and repeatability.