DATALOG

TECHNOLOGY FOR CLOUD

URL: www.datalog.pk

DATALOG
PROFILE
THE IOT COMPANY

Solutions for Manufacturing Industry

DATALOG
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At DATALOG

- We specializes in offering industrial automation applications through IT solutions.
- We cover a Diverse range of industrial and environmental areas that require constant monitoring.
- We make you efficient by a wide array of solutions.
- You can measure and control the way you operate your processes from anywhere around the world right at your fingertips.
- We also offers services in the areas of e-commerce and business systems integration with measurement systems, training & and technical support.

DATALOG

- Was started in 2015 by industry veterans
- It is a Winner of PASHA ICT R&D Award
- It is a Leader for IOT/Sensor based solutions
- It is a Leader in Real-Time Data for ERP Systems
- It has presence in Oil & Gas, Manufacturing, Energy, Textile, Food, Pharma, Education and IT sectors
- It provides a range of International Vendor Integration Solutions

We don't Make – we Integrate

International Vendor Solutions

- Advanced Telemetry Process Industry   **ABB**

- Power Monitoring   Schneider Electric

- Energy Management   Voltronic Power *Advancing Power*

- Solar Energy   SolarMax®

International Vendor Solutions

- Biometric / Access Solutions

- Air Quality Measurement Systems

- Industrial Measurement & Control

- Industrial Weighing Solutions

…… and the list is growing

Satisfied Telemetry Clients

IOT Solutions in Manufacturing

- Energy Management
- Production & Quality Monitoring
- Attendance, Productivity and Security
- Air Quality Management
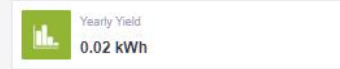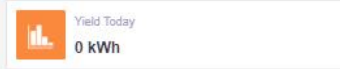- Building Management System
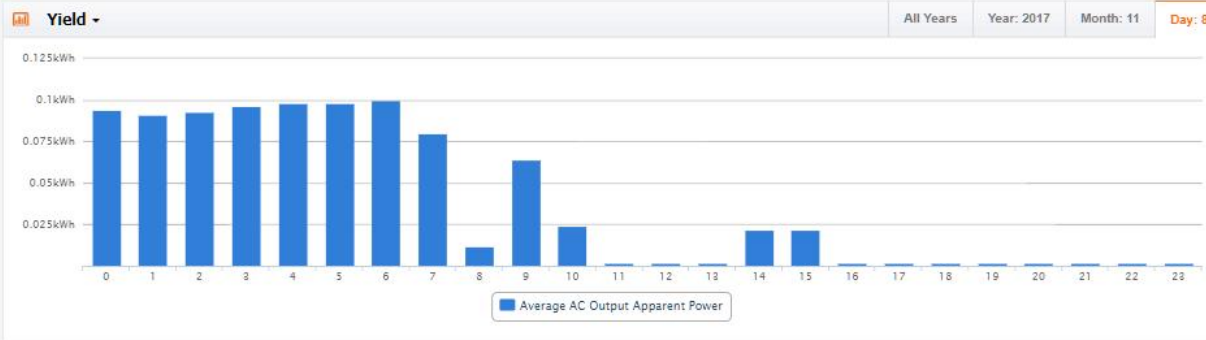- Water / Fluid Management

IOT Solution

Energy Management

Schneider Electric
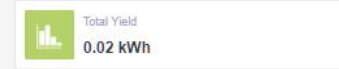
Energy Monitoring Anywhere

Device ID: DEMO103, Sensor Name: Electricity

Electricity: ON

26/10/2016 13:29:00
Reading Date & Time

Details....⌄

Device ID: DEMO103, Sensor Name: Electricity

Electricity: OFF

26/10/2016 13:25:00
Reading Date & Time

Details....⌄

Individual Load Status

Device ID: DEMO103, Sensor Name: Voltage Sensor

Voltage: 228 V

26/10/2016 14:49:00
Reading Date & Time

VOLTAGE

Details....∨

Device ID: DEMO103, Sensor Name: Current Sensor
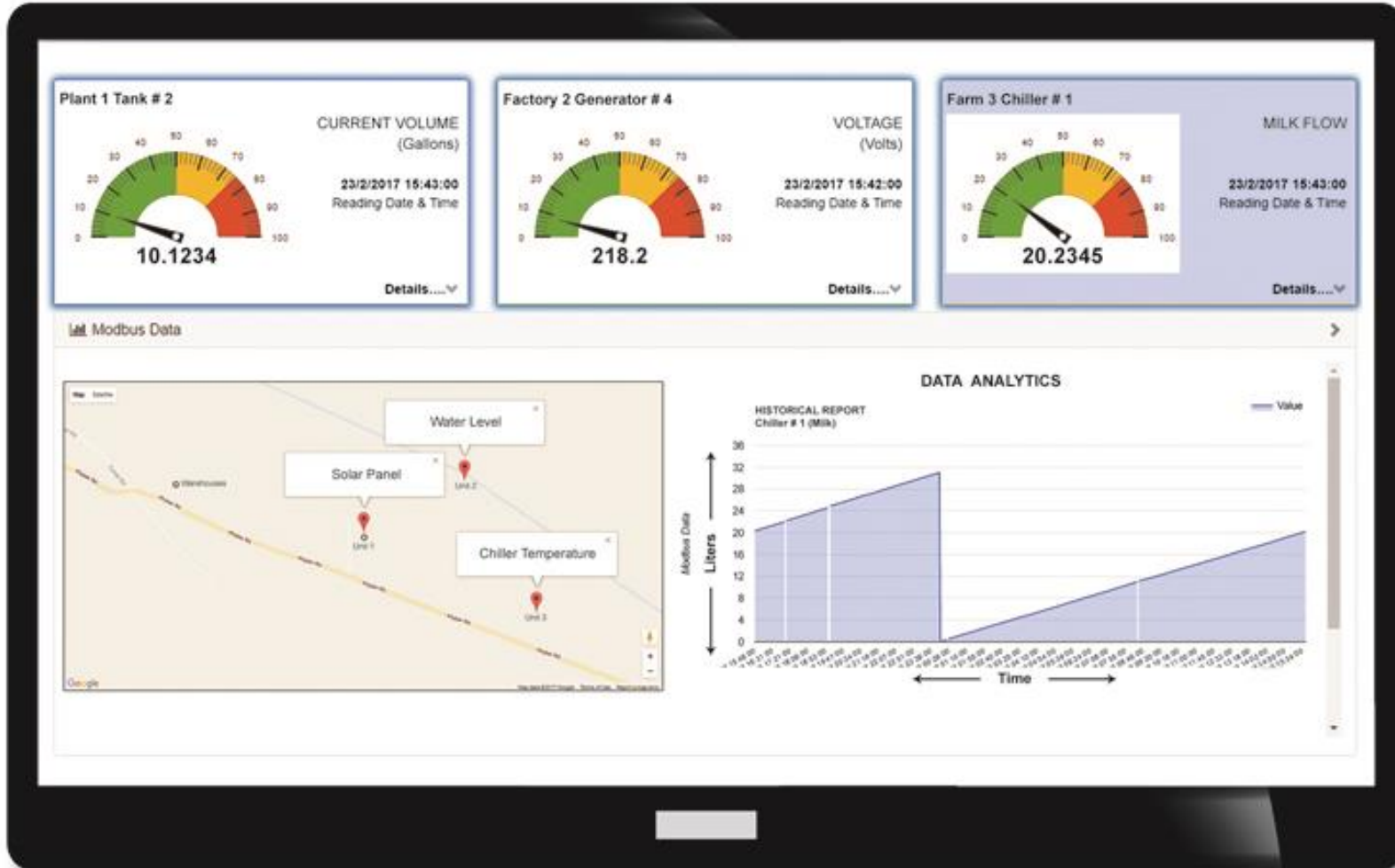
Current: 7.86 A

26/10/2016 14:49:00
Reading Date & Time

Details....∨

Powerful Features

- Remote 24 x 7 Monitoring
- Without human intervention
- Generators, solar panels, UPS's, electric utility, or ANY LOAD
- All power sources and loads shown on single console
- Huge Energy savings, fuel cost savings and reduced generator maintenance costs

Powerful 24x7 Monitoring

- Immediate Alerts for special conditions; Notification sent immediately – Email or SMS

- Better Management Control – Detailed energy data available in electronic form for Root Cause Analysis

- Flexible solution – add more Sensors and more locations as your needs grow

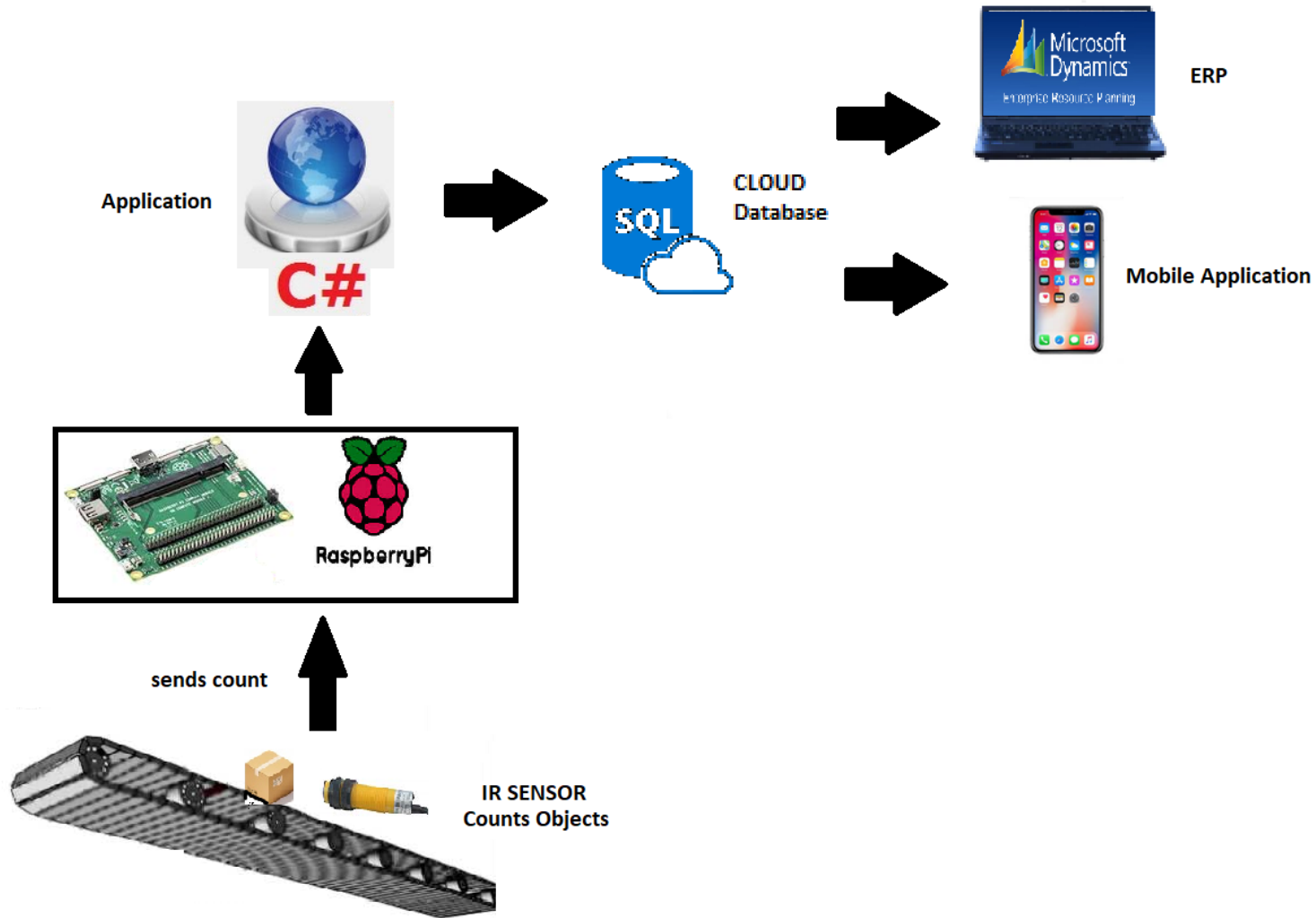# History with Graphs

IOT Solution

Production & Quality Monitoring

Real Time Production Monitoring

Application

C#

CLOUD
Database

ERP

Mobile Application

RaspberryPi

sends count

IR SENSOR
Counts Objects

ACLAS Weighing Solutions

Date: 09-08-2018
User ID: User2
Line #: 001
Batch #: 006
Status: Active

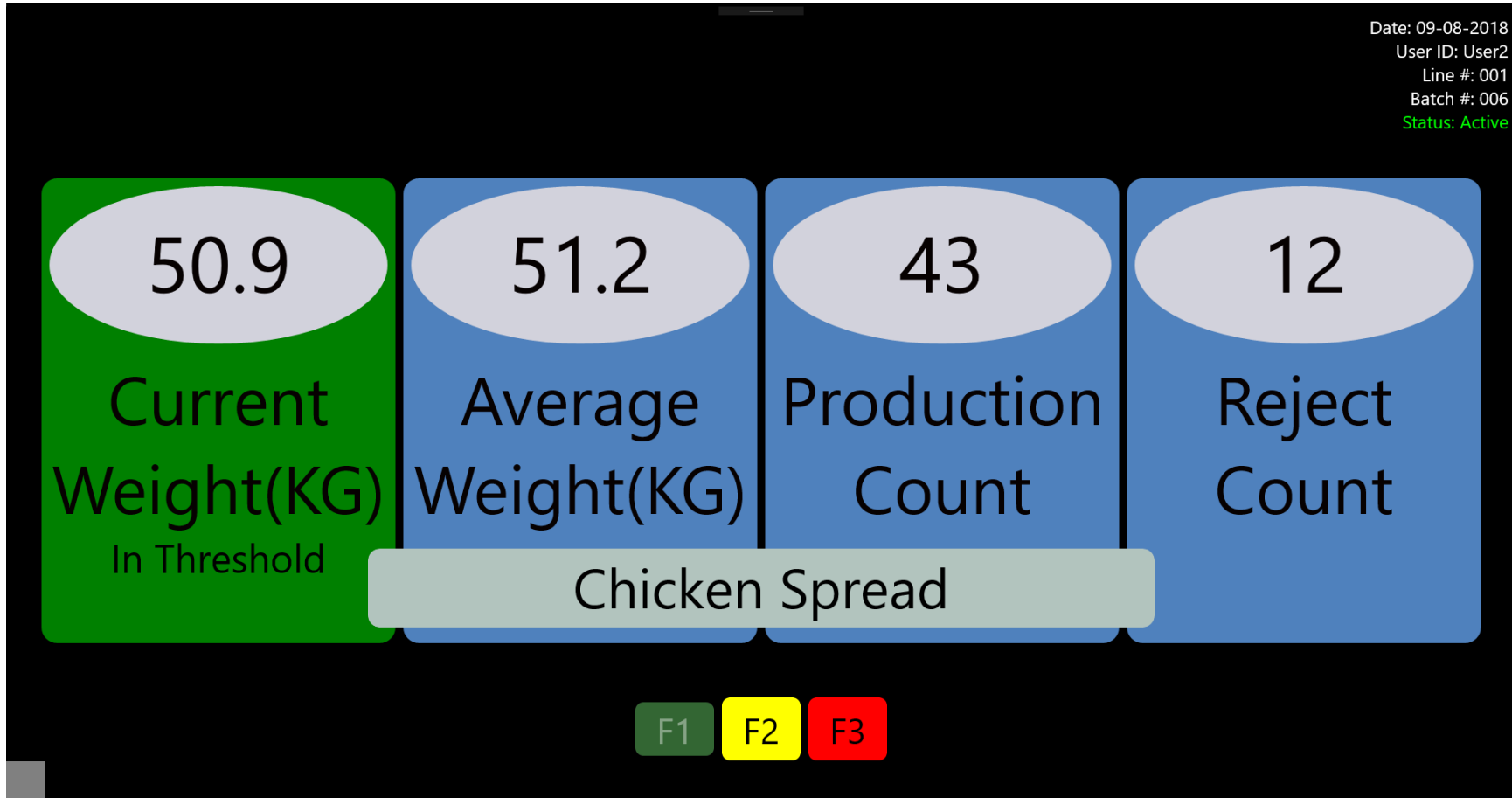| 50.9	51.2	43	12
Current Weight(KG)	Average Weight(KG)	Production Count	Reject Count
In Threshold			

Chicken Spread

F1 F2 F3

ABB Monitoring Systems

- Record production directly from machines in real time without human intervention

- DASHBOARD at production line
- DASHBOARD for head office
  …… latest production of all machines

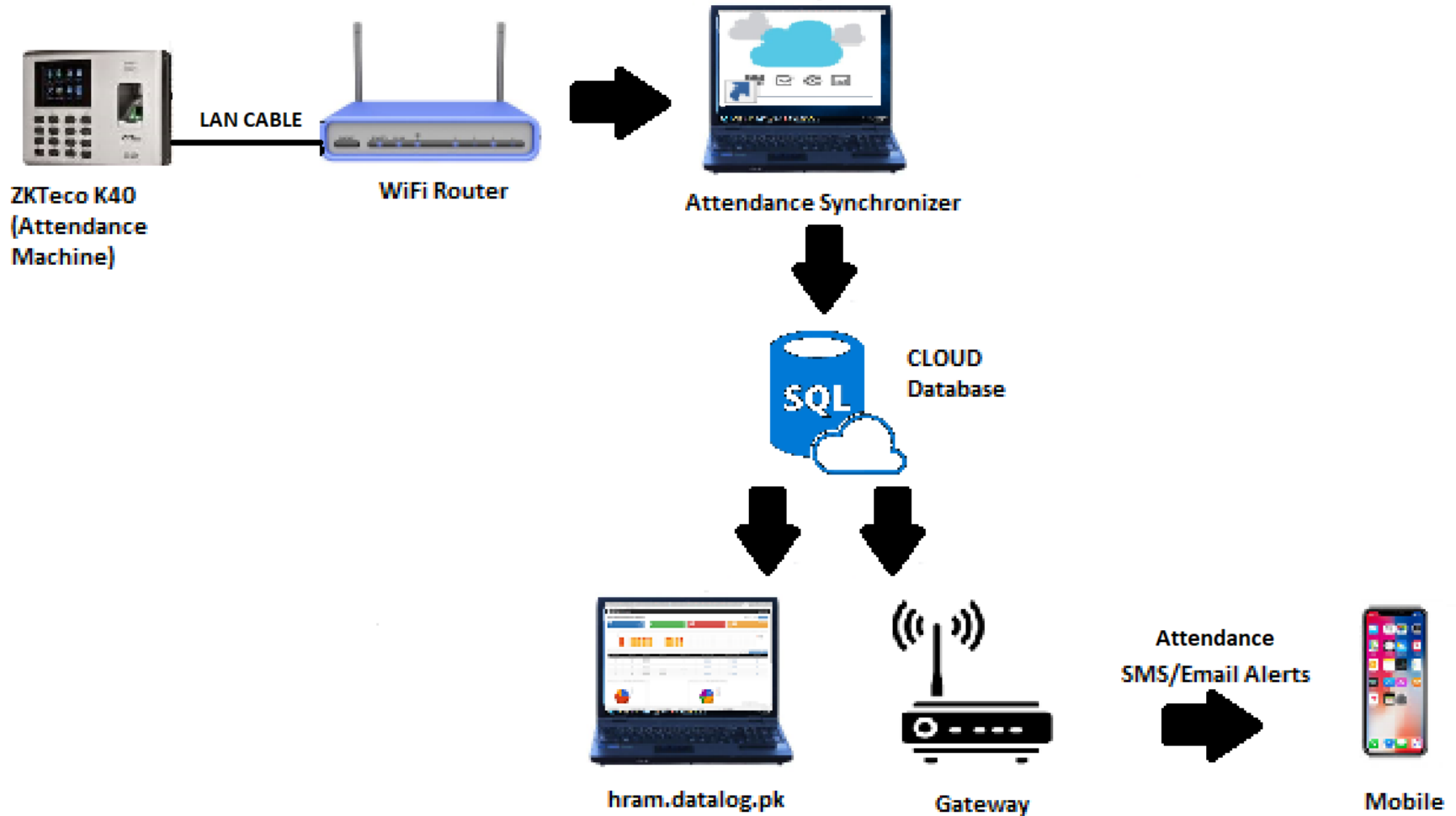- Immediate Alerts for special conditions; Notification sent immediately – Email or SMS

Advanced Features

- Show machine stoppages & reasons
- Calculate OEE for individual machines or department – Any OEE calculation formula

- Keep history for last 12 months or more

- Dynamically send production data to ERP (Dynamics AX, etc.).
- Customization possible

IOT Solution

Attendance, Productivity and Security

ZK *Teco* Biometric Security

ZKTeco K40 (Attendance Machine) — LAN CABLE — WiFi Router → Attendance Synchronizer → CLOUD Database (SQL) → hram.datalog.pk / Gateway → Attendance SMS/Email Alerts → Mobile

Attendance, Productivity, Security

Department Dashboard

Employee Checkout Trend
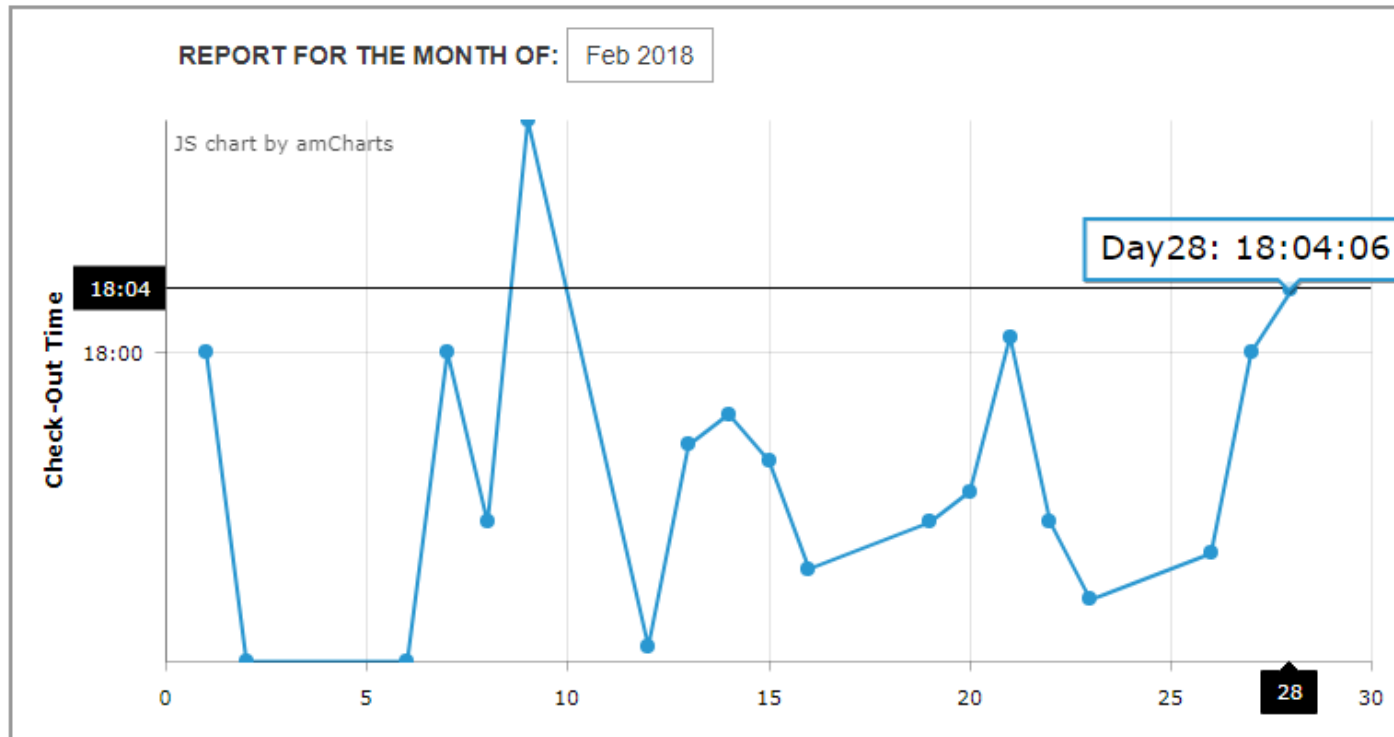
Multiple Functions

- Attendance, Productivity & Security System
  - Multi location – local, national, international
  - Any Biometric ID – Finger, Face, Iris, Palm
  - Multiple data sources – RFID, Bar Code, etc.

  - Who is where now?
  - Who was where at 4pm on Wed 17 Oct 2018
  - Did dept. ABC have complete attendance by 10am?
  - Are all staff for contractor XYZ in Hall A?
  - What was total over-time in Shift A last week?

- Devices Supported: Doors, Gates, Movement Sensing
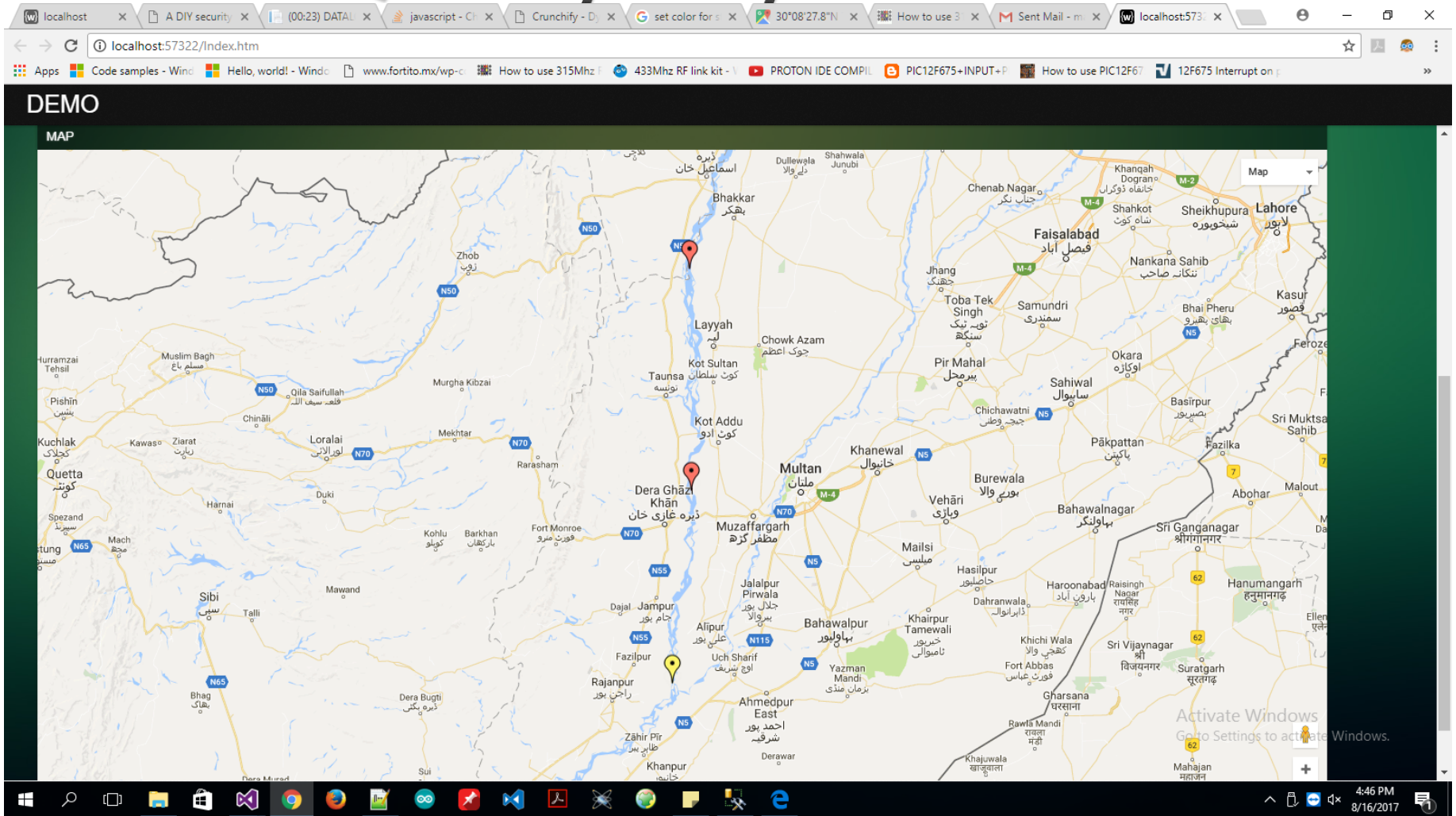- Immediate Alerts for special conditions – Email or SMS

IOT Solution

Air Quality Management

Test Air Quality Anywhere

DYLOS – Air Quality Systems

🏠 Telemetry System   🎛 Dashboard   Search   👤 airqm ⏻ Sign Out

DATALOG Dashboard

Site: Air Quality Monitor

Device ID: Dylos,001, Sensor Name: Temperature

Temperature: 29 C

11/7/2018 14:48:00
Reading Date & Time

Details....⌄

Device ID: Dylos,001, Sensor Name: Humidity

Humidity: 42 %

11/7/2018 14:48:00
Reading Date & Time

Details....⌄

Device ID:Dylos,001, Sensor Name:Large Particle

Large Particle: 3954

11/7/2018 14:57:59
Reading Date & Time

Details....⌄

Device ID:Dylos,001, Sensor Name:Small Particle

Small Particle: 523

11/7/2018 14:57:59
Reading Date & Time

Details....⌄

Air Quality Management System

- Air Quality Data samples in real-time from anywhere
- **Truly scalable solution – few or 000s of locations**
- Real-Time status of air quality on map
- Sensors can be added for special conditions
  - CO_2, Nitrogen, Methane, Particle Size, etc.
- Single Management Dashboard for all sensors
- **Immediate Alerts for special conditions – Email or SMS**

IOT Solution

Building Management Systems

Integrated BMS Solutions
Vertex / Voltronic / Schneider

- Multiple buildings, multiple cities
  - Energy – Inverters, Gen-sets, Solar, Any Load
  - Access – Biometric, Doors, Movement Detect
  - HVAC – Temp, Humidity, Air Flow
  - Fire – Smoke
  - Water – wet floor, tank levels
- Single DASHBOARD + full data logging
  - Immediate Alerts for special conditions – Email or SMS
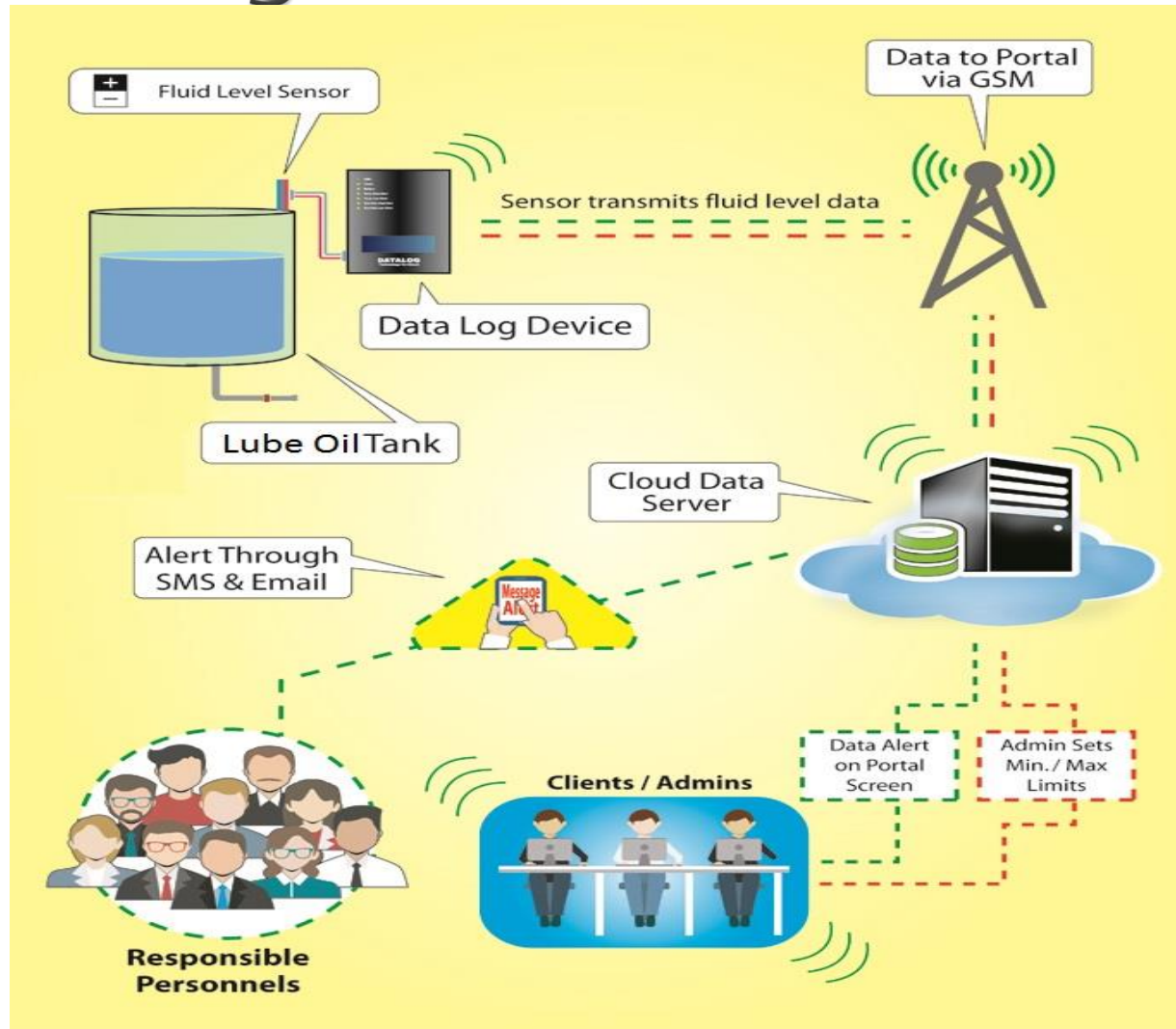- Cloud or On-Site BMS Software
- Data Integration with ERP

Single Dashboard for BMS

IOT Solutions
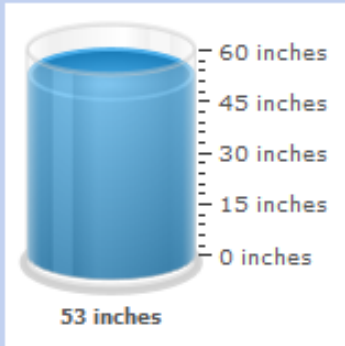
Water / Fluid Management

Fluid Management Overview

All types of **Fluid Sensors**

Fluid Management – Real-Time Dashboard

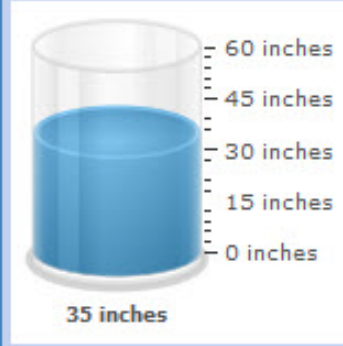Device ID: Wms01, Sensor Name: Overhead Tank Sensor

Level: 53 inches

60 inches
45 inches
30 inches
15 inches
0 inches

53 inches

26/10/2016 12:51:00
Reading Date & Time

Details....

Device ID: Wms01, Sensor Name: Overhead Tank Sensor

Level: 35 inches

60 inches
45 inches
30 inches
15 inches
0 inches

35 inches

26/10/2016 12:51:00
Reading Date & Time

Details....

View Historical Data
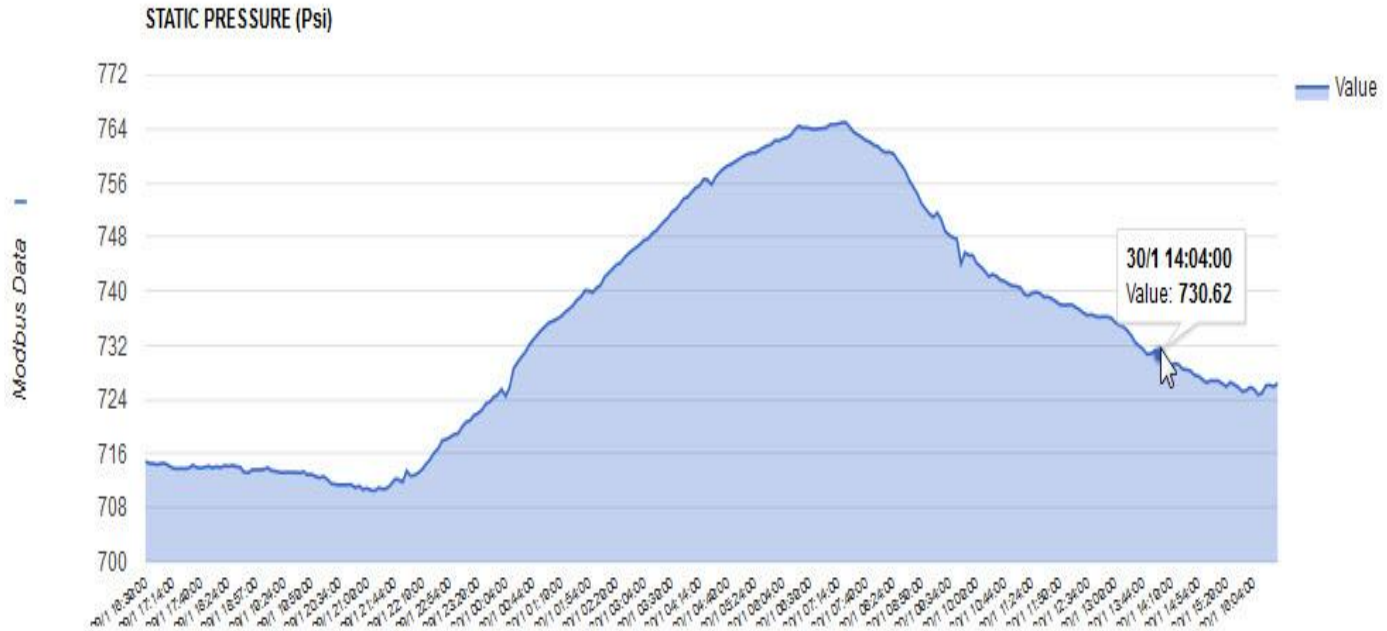
Fluid Management – Solution Benefits

- ## Asset utilization / Theft protection –
  - ◦ 24 x 7 fluid level position at any tank
- ## Consumption and Filling History
  - ◦ For any tank anywhere
- ## Immediate Responses –
  - ◦ Alarms generated when specified high or low limits are exceeded at any tank
  - ◦ Alarms can be sent by SMS / Email to team
- ## Data integration with SAP and other ERPs

Fluid Management – Solution Benefits

- **Better Management Control –**
  - Single DASHBOARD with up to the minute stock position for any tank –
- **Full Scalability –**
  - 1-5000 Tanks, any shape
- **Detailed history in electronic form –**
  - Complete past records for internal/external and Regulatory Compliance
- **Good Audit Trail = happy auditors; clean audits; reduced insurance costs**

Summary

- Proven Sensor Based Solutions running live in Pakistan
- Data Integration with ERPs
- Multiple International Vendors Integration
- 24 x 7 Support
- Winner of PASHA ICT R&D Award
- Down–to–Earth Prices

Call now for Free Demonstration

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