DATALOG PROFILE

THE IOT COMPANY

5th October 2018

DATALOG

DATALOG

- Started 2015 by industry veterans
- Winner PASHA ICT R & D Award
- We don't Make – we Integrate
- Range of International Vendor Solutions
- Leader – IOT/Sensor based solutions
- Leader in Real-Time Data for ERP Systems
- Presence in Oil & Gas, Energy, Textile, Food, Pharma, Education, IT sectors

International Vendor Solutions

- ABB – Advanced Telemetry Oil & Gas
- Schneider Electric – Power Monitoring
- Voltronic – Energy Management
- SolarMax – Solar Energy

International Vendor Solutions

- ZK*Teco* – Biometric / Access Solutions
- DYLOS – Air Quality Measurement Systems
- VERTEX –Industrial Measurement & Control
- ACLAS –Industrial Weighing Solutions

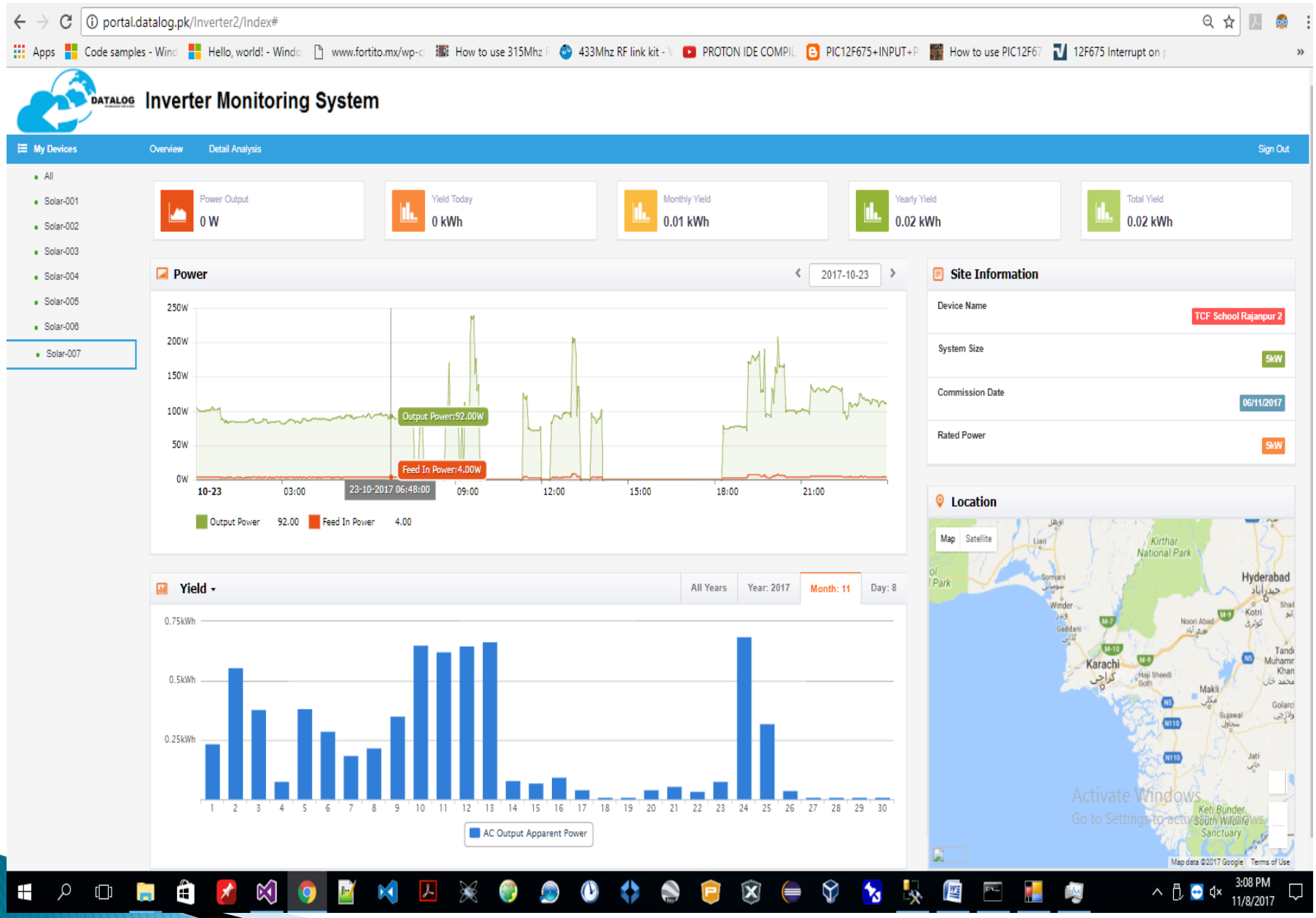
…… and the list is growing

DATALOG Telemetry Clients

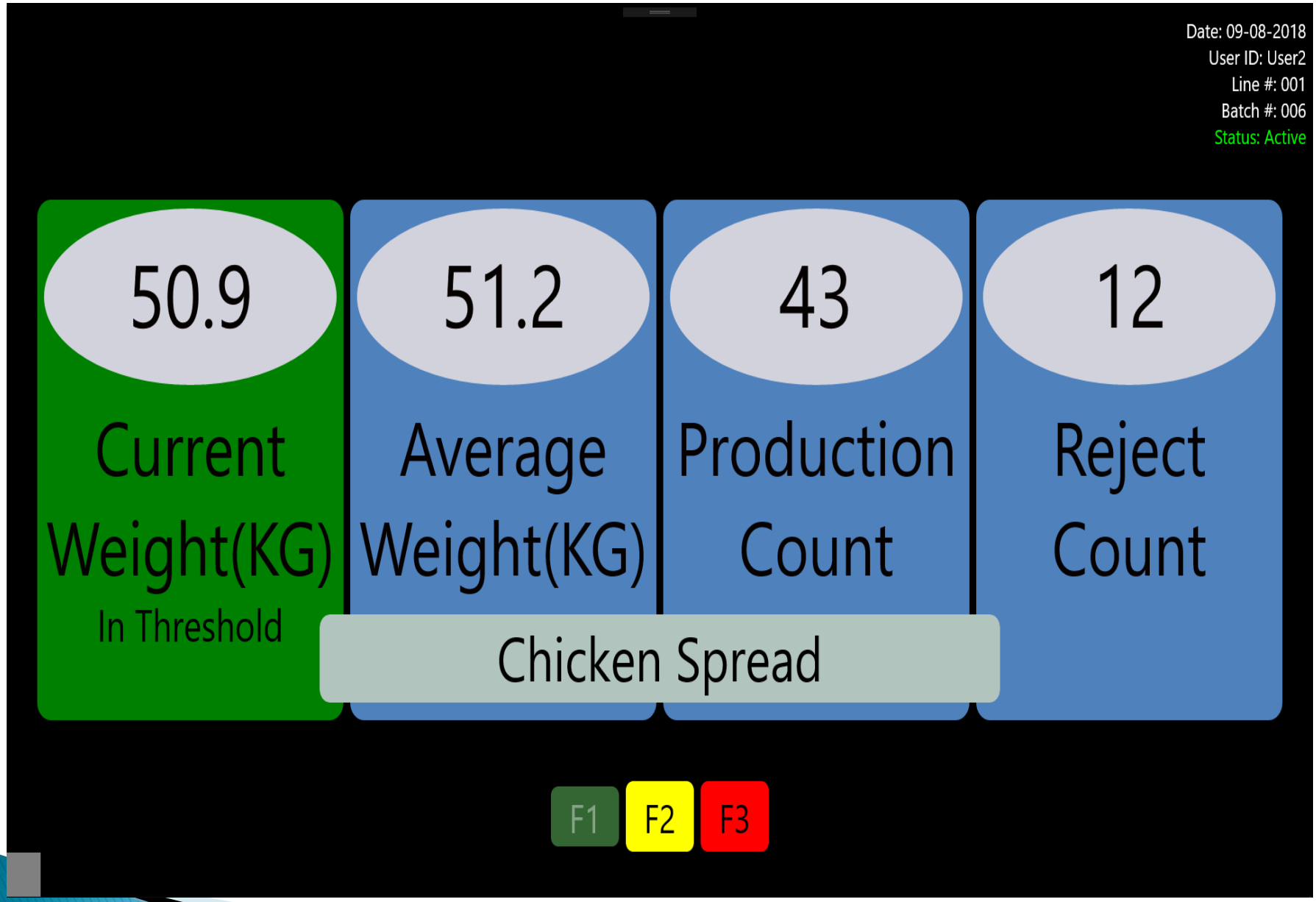
- OGDC POL (Former Linde)
- Meat 1 Young's Food
- Soorty Textile NovoNordisk
- Hands TCF Institute of Bankers
- SARizviCo E-BiZ Solutions ITG

Real-Time Dashboards

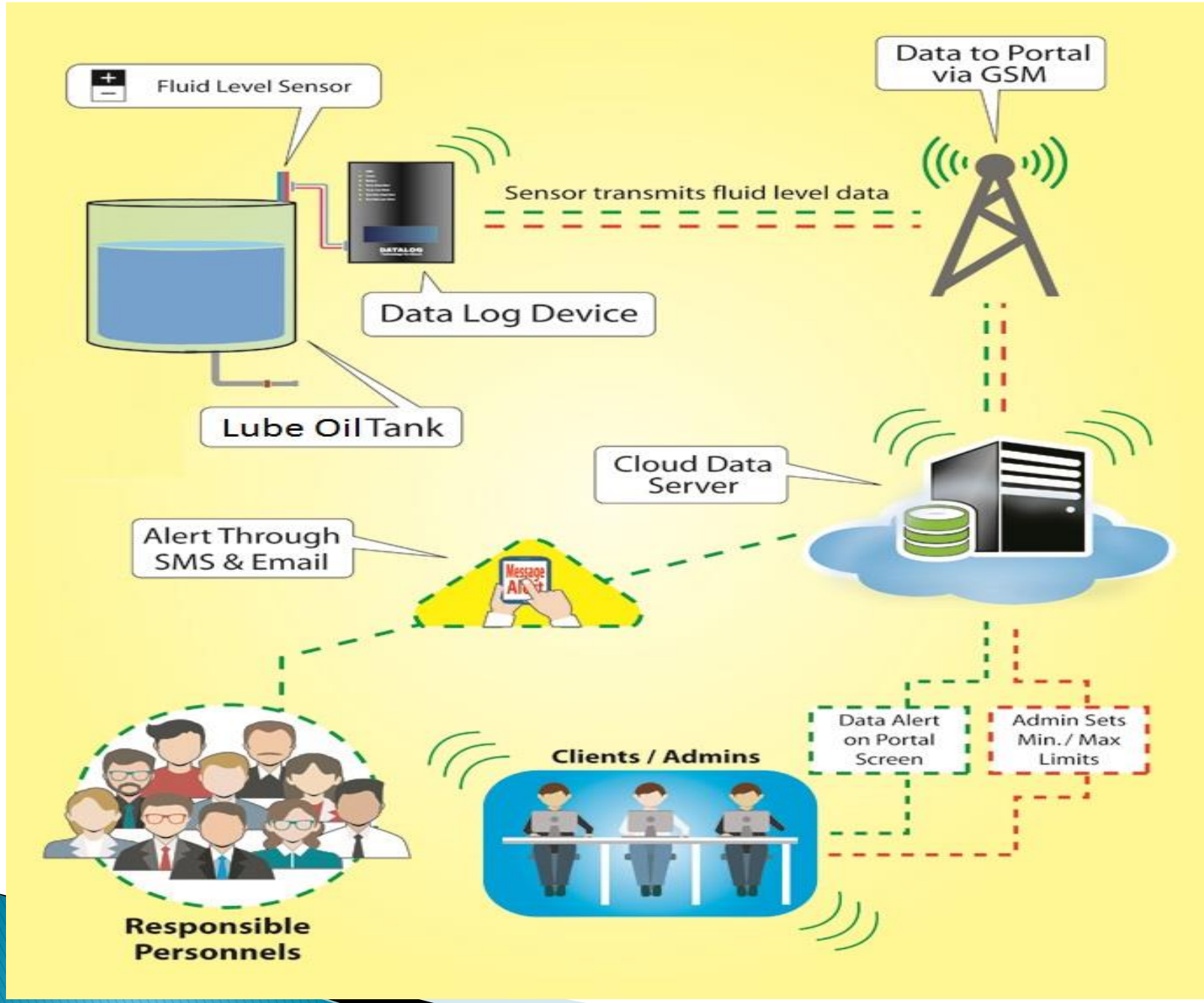
Plant 1 Tank # 2
CURRENT VOLUME
(Gallons)
10.1234
23/2/2017 15:43:00
Reading Date & Time
Details....
Factory 2 Generator # 4
VOLTAGE
(Volts)
218.2
23/2/2017 15:42:00
Reading Date & Time
Details....
Farm 3 Chiller # 1
MILK FLOW
20.2345
23/2/2017 15:43:00
Reading Date & Time
Details....
Modbus Data
Water Level
Solar Panel
Chiller Temperature
DATA ANALYTICS
HISTORICAL REPORT
Chiller # 1 (Milk)
Value
Modbus Data
Liters
Time


portal.datalog.pk/Inverter2/Index#
Apps
Code samples - Wind
Hello, world! - Windc
www.fortito.mx/wp-c
How to use 315Mhz
433Mhz RF link kit -
PROTON IDE COMPIL
PIC12F675+INPUT+P
How to use PIC12F67
12F675 Interrupt on
DATALOG
Inverter Monitoring System
My Devices
Overview
Detail Analysis
Sign Out
All
Solar-001
Solar-002
Solar-003
Solar-004
Solar-005
Solar-006
Solar-007
Power Output
0 W
Yield Today
0 kWh
Monthly Yield
0.01 kWh
Yearly Yield
0.02 kWh
Total Yield
0.02 kWh
Power
2017-10-23
250W
200W
150W
100W
50W
0W
Output Power:92.00W
Feed In Power:4.00W
10-23
03:00
23-10-2017 06:48:00
09:00
12:00
15:00
18:00
21:00
Output Power 92.00
Feed In Power 4.00
Site Information
Device Name
TCF School Rajanpur 2
System Size
5kW
Commission Date
06/11/2017
Rated Power
5kW
Location
Yield
All Years
Year: 2017
Month: 11
Day: 8
0.75kWh
0.5kWh
0.25kWh
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
AC Output Apparent Power
Map
Satellite
Kirthar National Park
Hyderabad
Karachi
Makli
Sujawal
Jati
Keti Bunder South Wildlife Sanctuary
Activate Windows
Go to Settings to activate Windows.
Map data ©2017 Google
Terms of Use
3:08 PM
11/8/2017

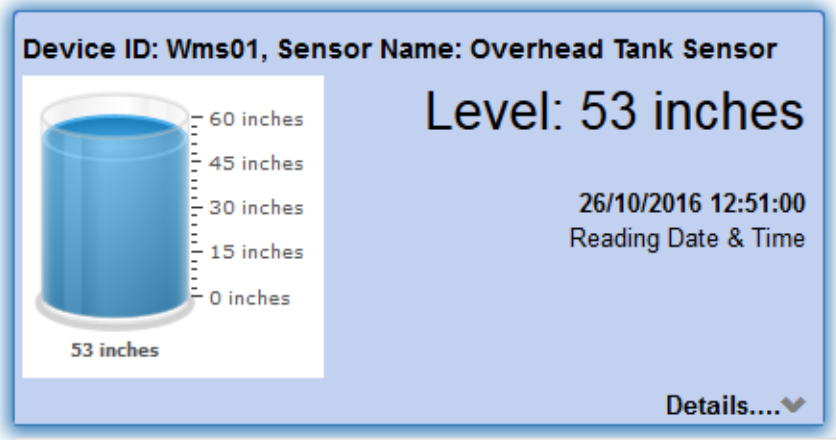
Device ID: DEMO103, Sensor Name: Current Sensor
Current: 1.48 A
Reading Date & Time
Details....
Device ID: DEMO103, Sensor Name: Voltage Sensor
Voltage: 171 V
Reading Date & Time
Details....
Device ID: NN101, Sensor Name: Temperature
Temperature: 21 C
Reading Date & Time
Details....
Device ID: NN101, Sensor Name: Humidity
Humidity: 52 %
Reading Date & Time
Details....
Device ID: NN101, Sensor Name: Generator
Electricity: OFF
Reading Date & Time
Details....
Device ID: Demo106, Sensor Name: Wet 4
Normal
Reading Date & Time
Details....
Device ID: DEMO105, Sensor Name: Fuel Level
Level: 17.5 Liters
Reading Date & Time
Details....
Device ID: Wms01, Sensor Name: Overhead Tank Sensor
Level: 50 inches
Reading Date & Time
Details....
Device ID: WHSmoke, Sensor Name: Zone 1
Smoke: Normal
Reading Date & Time
Details....

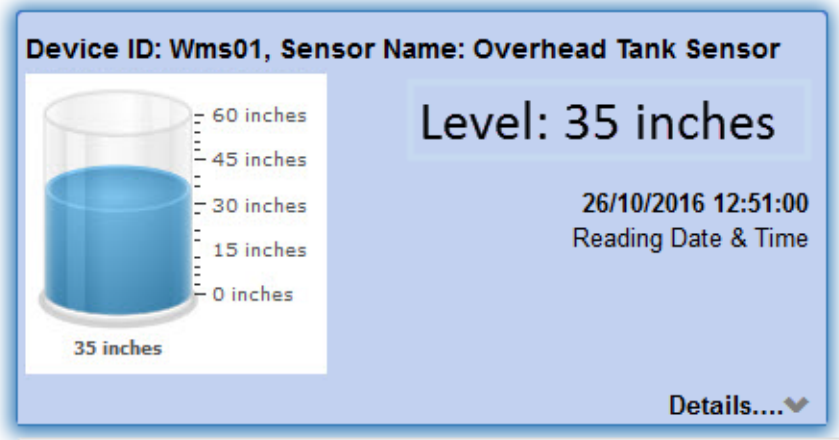

Date: 09-08-2018
User ID: User2
Line #: 001
Batch #: 006
Status: Active
50.9
Current Weight(KG)
In Threshold
51.2
Average Weight(KG)
43
Production Count
12
Reject Count
Chicken Spread
F1
F2
F3

Sample Solution
Fluid Management


Fluid Level Sensor
Data to Portal via GSM
Sensor transmits fluid level data
Data Log Device
Lube Oil Tank
Cloud Data Server
Alert Through SMS & Email
Data Alert on Portal Screen
Admin Sets Min./ Max Limits
Clients / Admins
Responsible Personnels

Fluid Management – Real-Time Dashboard





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**

Hi-Tech
DATALOG SOLUTIONS

DATALOG Solutions

- Stand Alone OR Cloud Based – Sensor Data Collection System – Any sensor, Anywhere, Any time
- Integration of Sensor Data with ERP – SAP, Oracle, Dynamics or other ERPs – SAAS to SAAS
- Management Dashboards – DATA Analytics for large volume sensor data

DATALOG Solutions

- Production Monitoring & Quality Control
  - Multiple product lines, Any product
  - Real Time Dashboard
  - Item Count, weight, avg. weight, reject count
  - Machine Idle Time codes, OEE Calculation
  - Complete data history and reporting
  - Data passed to SAP, Oracle EBS, Dynamics AX

DATALOG Solutions

- Attendance, Productivity & Security System
  - Multi location, biometric, RFID, Bar Code, doors
  - Who is where now?
- School Management System
  - Monitor Any school, Anywhere
  - Fees, academic records, student security
  - Email and SMS Alerts
- Solar Energy Monitoring
  - 24 x 7, any remote location , any size

DATALOG Solutions

- **Auto Tank Gauging (ATG) System**
  - Petrol Pumps, Oil Marketing Companies, OGRA
  - Fuel level, Consumption & intake

- **Real-Time Monitoring of Water**
  - OH / UG Tanks, ponds, wells, canals
  - Level, flow rate
  - Scalable: Home, Company, City
  - Flood Monitoring

DATALOG Solutions

- **Air Quality Monitoring**
  - Any location, Anywhere
  - Multiple Types of sensors

- **Building Management System**
  - Multiple buildings, multiple cities
  - Energy, Access, HVAC, Fire, Water
  - Single DASHBOARD

DATALOG Solutions

- Real-Time Monitoring of SILOS
  - Wheat, Flour, Chemicals
- Real-Time Monitoring of GAS
  - Volume and flow rate
  - LPG, Oxygen, Air

Call now for Free Demonstration

DATALOG
614 Park Avenue
24-A , Block 6 PECHS
Shara – e – Faisal
Karachi
021-34523868
info@datalog.pk

Humayun Qureshi, *CISA*
0300-2468124