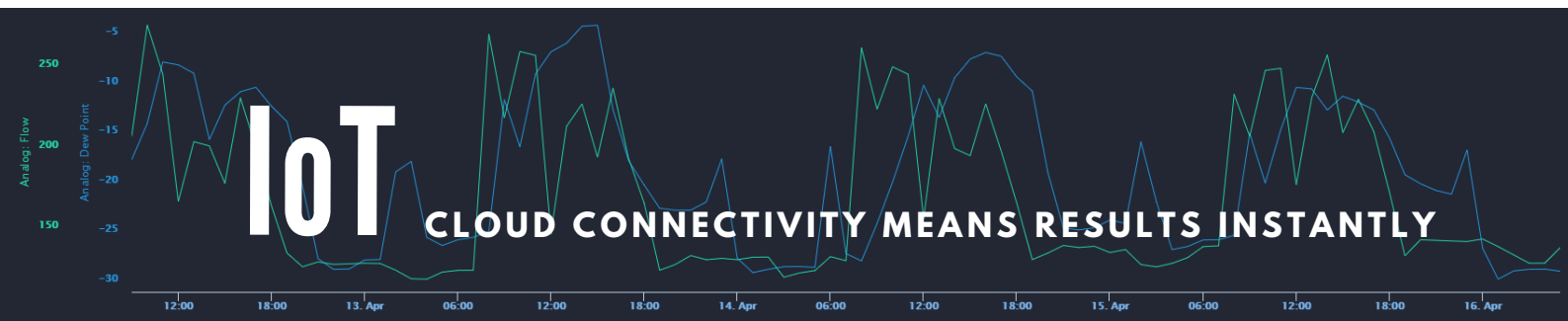


## FEATURES

- Touchscreen 7" (16:9, TFT)
- Integrated P&I flow chart
- Onboard data recording in a few steps – memory capacity for 2 years
- Onboard data log download via SD-Card
- Real-time monitoring through secure cloud-based dashboard
- Onboard Modbus via Ethernet TCP/IP or RS485
- Remote PLC connection and monitoring (internet connection required)
- Cloud connectivity through Ethernet (options - WiFi or 4G modem and SIM card)

## BENEFITS

- User friendly interface and easily accessible dashboard
- Real-time data can be viewed online providing 24/7 status overview
- Detailed operational history and performance graphs, viewed in field
- Log files in CSV and PDF formats
- Accurate monitoring for predictive maintenance and timely servicing
- Alarm and warning system linked to email notification
- Retrofit old dryers with IOT connected PLC Dashboard
- Improve mean time to repair and prevent unexpected downtime



## MANUFACTURING & SALES

### AIRFILTER ENGINEERING (M) SDN BHD

No 20, Jalan Anggerik Mokara 31/47,  
Section 31, Kota Kemuning,  
40460 Shah Alam, Malaysia.  
T +603 5122 4975  
W [www.airfilterengineering.com](http://www.airfilterengineering.com)  
E [enquiries@airfilterengineering.com](mailto:enquiries@airfilterengineering.com)

### AFE AIRFILTER EUROPE GMBH

Gutenbergstr. 5,  
53332 Bornheim,  
Germany  
T +49 (0) 2227 920 910  
W [www.airfilter-europe.com](http://www.airfilter-europe.com)  
E [office@airfilter-europe.com](mailto:office@airfilter-europe.com)

## SALES

### AIRFILTER ENGINEERING (SHANGHAI)

Room 908 Binjiang Building,  
88 Zhangyang Rd., Pudong,  
Shanghai, 200122, China.  
T +86 21 6886 7096-306  
W [www.airfilterengineering.cn](http://www.airfilterengineering.cn)  
E [jessica.wang@zenrich.cn](mailto:jessica.wang@zenrich.cn)

## AUTHORISED DISTRIBUTORS

### AFE AIRFILTER MALAYSIA SDN BHD

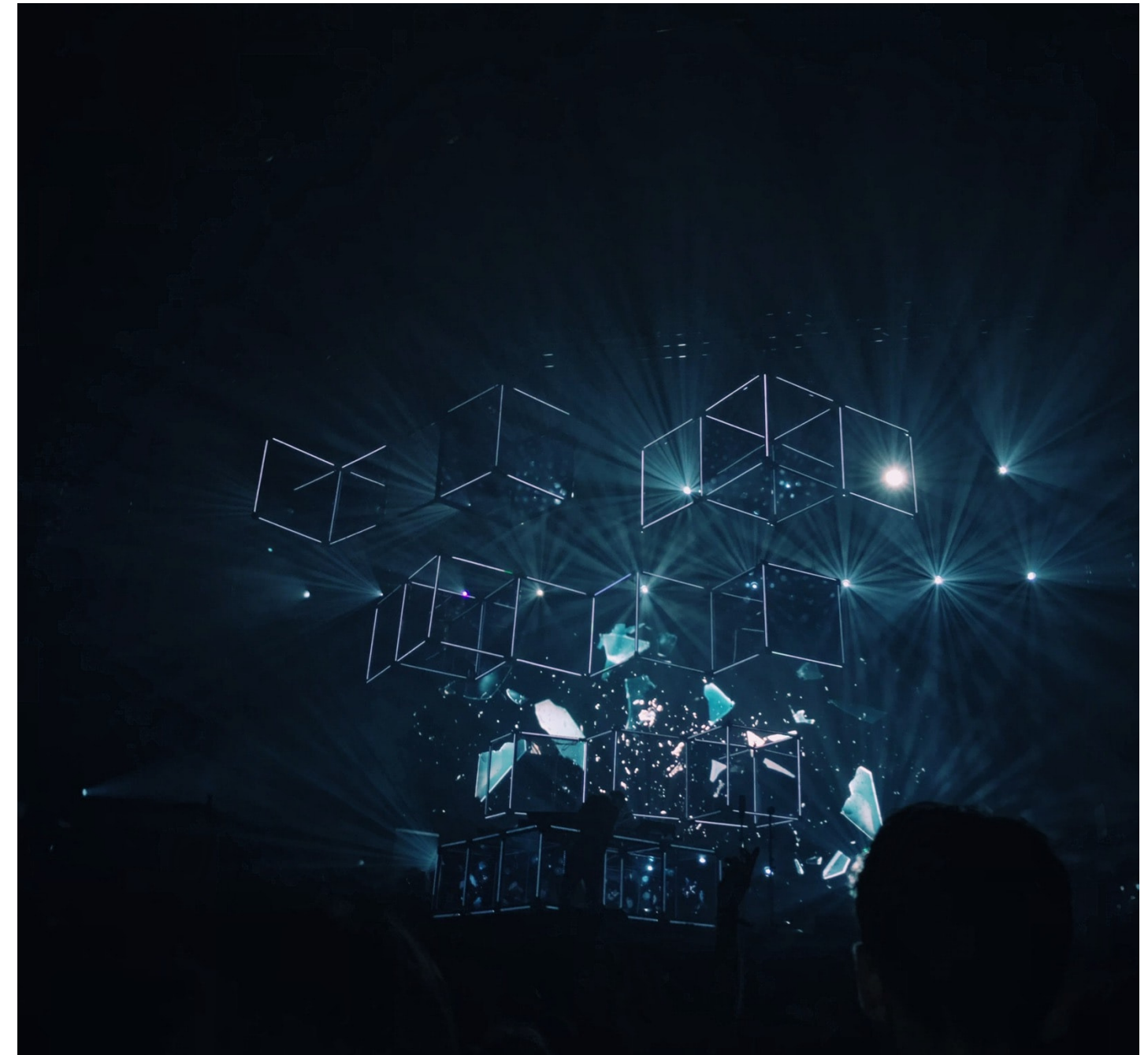
No. 10, Jalan Anggerik Mokara 31/59,  
Section 31, Kota Kemuning,  
40460 Shah Alam, Malaysia.  
T + 603 5121 0920  
W [www.irismal.com](http://www.irismal.com)  
E [enquiries@irismal.com](mailto:enquiries@irismal.com)

### AFE AIRFILTER SINGAPORE PTE LTD

7 Kallang Place,  
#04-08,  
Singapore 339153  
T + 65 6264 0524  
W [www.airfiltersing.com](http://www.airfiltersing.com)  
E [sales@airfiltersing.com](mailto:sales@airfiltersing.com)



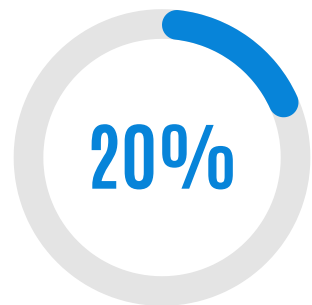
Approval Number 0047637



# REMOTE MONITORING IoT SOLUTIONS

Bringing IoT Cloud Connectivity for  
Remote Monitoring of Compressed Air Dryers

# Leveraging IoT for Predictive Maintenance



Remote monitoring of the compressed air network can help reduce energy consumption by up to 20% through identification of production inefficiencies and switching to predictive maintenance.

Introduce mobile connectivity and upgrade manufacturing automation systems to meet the demands of our fast-paced modern global manufacturing world.

## WHY?

- 24/7 remote monitoring for predictive maintenance
- Early warning notification system for real-time service
- Analyse data for key performance indicators to predict potential problems & reduce downtime

Ever incurred a dryer breakdown that resulted in production downtime?

Prevent unexpected downtime with access to dryer performance data. Identify functional problems in real-time and resolve them swiftly to avoid loss of productivity.

Looking for cost saving opportunities?

Reduce expensive machinery repair cost, improve energy efficiency and eliminate unnecessary scheduled maintenance programs. Optimise productivity and realise cost savings by moving from preventive to predictive maintenance.

Is your dryer in remote location making consistent parameter inspection difficult?

Save time and improve efficiency with 24/7 automatic data collection. Analyse historical data to acquire in-depth knowledge of your dryer system by benchmarking operational parameters with current status.

What can you do to avoid production downtime, avoid costly repairs, improve efficiency and increase the overall reliability of your compressed air system?

Incorporating Predictive Maintenance with the Remote Monitoring IoT Solutions enables observation of your dryers and analysis of key performance indicators to foresee failing components of your pneumatic system and act beforehand.

CONTACT US FOR A LIVE-DEMO

## OUR SOLUTION

*Incorporating IoT Technology to provide real-time critical insight into your Dryer facilities.*

Digital tools continuously transform our workforce – advancing and optimising industries in many ways. Compressed air system maintenance used to be reactive – where an

unforeseen event would require immediate intervention from a service technician to avoid costly downtime. With remote monitoring, key performance indicators can be analysed to predict potential problems. Our latest product utilises IoT technology to enable remote monitoring of compressed air dryers

by capturing live data and translating it into clear actionable insights.

Easily viewed on a web-based dashboard, the maintenance team can check machine health remotely, anytime and anywhere. Remote monitoring enables proactive maintenance programmes,

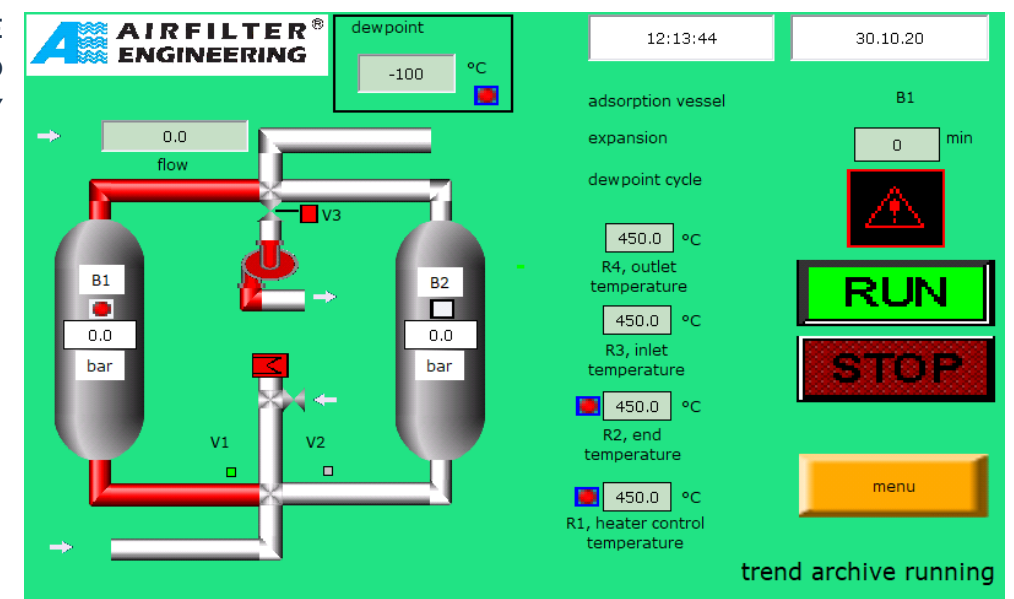
provides insight to keep production lines operating at optimum efficiency, and reduces equipment downtime. AFE offers installation of our IoT Solution with purchase of VEHDD Heated Desiccant Dryers, as well as the option to retrofit current dryer PLCs.

TRANSFORM REAL-TIME DATA INTO EASILY ANALYSED REPORTS INSTANTANEOUSLY

## REMOTE MONITORING

Smart monitoring paves the way in identifying and solving performance issues before small problems snowball into something serious. By making data on vital operating metrics, such as pressure,

temperature, humidity, dew-point and flow, easily accessible through an easy-to-use dashboard interface, users can pinpoint deviations in operating profiles and quickly diagnose impending problems.



Real-time status review of the Dryer Parameters as viewed on PLC

## CLOUD CONNECTIVITY

The monitoring system uses PLC parameters to display both real-time and historical data via internet connection. Remote Monitoring IoT Solution provides a comprehensive picture of system performance displayed on a secure web-based dashboard.

Only a mouse-click away, real-time data can be viewed and analysed instantaneously.

With hyperconnectivity, notifications can be sent to a designated email address – alerting you of any early warnings or shutdowns to your pneumatic system.

## PREDICTIVE MAINTENANCE

With remote monitoring and 24/7 access to dryer data, this means that users can quickly deploy condition monitoring and predictive maintenance routines. Precise service interventions lead to a significant reduction in service, maintenance and energy costs, whilst encouraging users to address seemingly minor issues before they evolve into full-scale equipment failure. Rule out uncertainty when you purchase

a VEHDD Dryer equipped with IoT Solution. AFE offers an aftercare service, where our engineering team monitor your dryers and notify you whenever the dryer starts exhibiting abnormal signs.

Our Service teams help you with proactive troubleshooting – avoiding equipment failure and optimising plant productivity.

CLEAN & DRY AIR BEGINS WITH US

View our Dryer's Demonstration Dashboard.

TRY IT NOW

