

# PERFORMANCE DATA AT YOUR FINGERTIPS

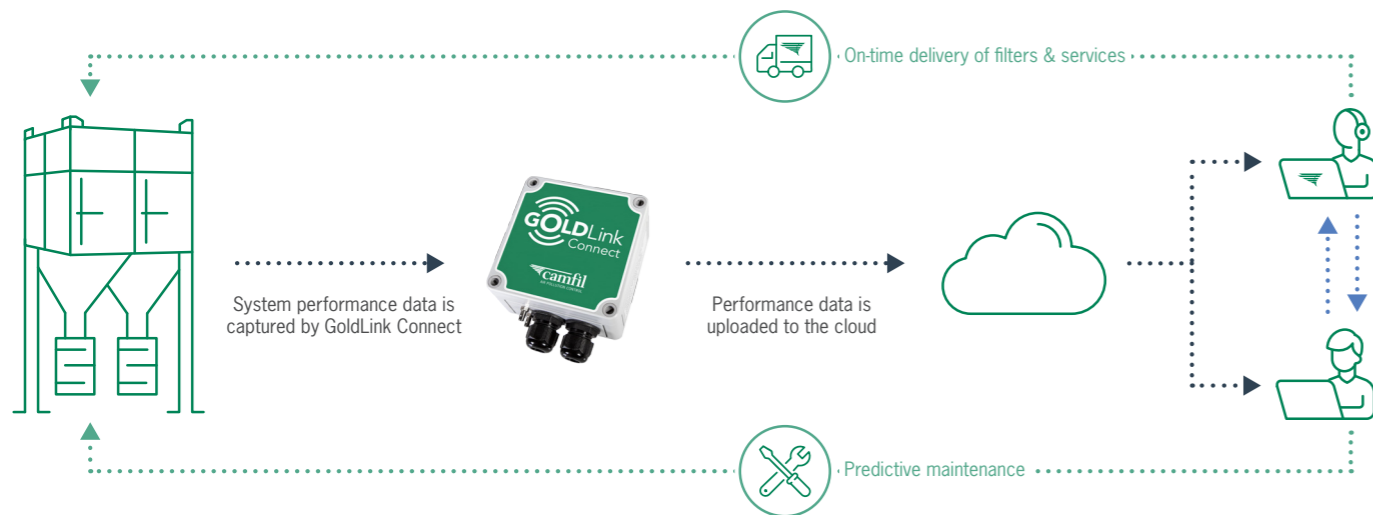
Reduce your dust collector TCO by analysing performance data & optimising system parameters



# GOLDLINK CONNECT - OPTIMISATION WHILE YOU OPERATE

Intelligent monitoring reduces the necessity for physical intervention of dust collection equipment that is being monitored. GoldLink Connect analyses filter condition, performance and energy consumption to support operational efficiency and improve sustainability. So what can it do and how does it work?

- GoldLink Connect measures the performance of your dust collector and brings this data right to you through the MyCamfil Connect portal.
- Information will be visible through an easy to read dashboard in your personal account.
- This means 24/7 accessible data for you and your maintenance team.
- The system is modular and scalable which gives you the flexibility to measure what you want where you want.
- Alerts will provide reminders and notify you when your intervention is required.
- GoldLink Connect provides ultimate flexibility which supports predictive maintenance, significantly improve filter life, reduces downtime and lowers your dust collector TCO.
- Camfil’s dust collection support team can advise you what to do or send out a service technician if needed.



## MANAGING YOUR EXTRACTION SYSTEMS:

GoldLink Connect enables easy remote monitoring of all relevant performance data of your dust extraction equipment from your PC, tablet or phone. Gives you peace of mind to focus on your core business and let the smart monitoring support you.

- Monitor multiple units at once, from different locations or production lines throughout the globe.
- Predictive maintenance plan options for each unit based on real operating conditions.
- Live performance data and status updates.
- Smart alerts keep you in control.



## BENEFITS OF REAL TIME DATA MONITORING:

Our digital service offering provides live performance monitoring, maintenance alerts and automated compliance reporting that help to detect any interruption and avoid costly downtime, long before it could ever become an issue. With GoldLink Connect and AirCair™ Connect Service Packages you can focus on your core business while we take care of your equipment.



### Monitor performance data

- Status updates show that the dust extraction equipment is in perfect working condition.
- Analysing data allow system adjustments to ensure optimal operation conditions.



### Reduce operational costs

- Optimal system settings help to reduce costs for energy and compressed air.
- Dynamic filter change intervals based on filter condition.



### Ensure process optimisation

- Reduce unplanned downtimes and increase profitability for your business.



### Increase operator safety

- Remote monitoring helps to reduce exposure risks to maintenance operators.



### Switch to predictive maintenance

- Analysing system data allows optimal planning of routine maintenance and filter change.
- Less physical routine checks required.



### Compliance

- Monitor emissions
- Manage and track regulatory compliance information.

## HOW TO IMPLEMENT GOLDLINK CONNECT:

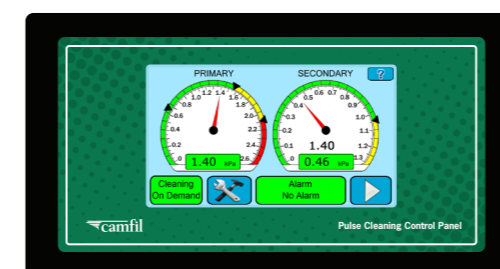
The Camfil GoldLink Connect is a combined digital touchscreen controller and remote monitoring device which transmits real-time data to the cloud over a secure end-to-end encrypted cellular network. GoldLink Connect is exclusively part of Camfil’s AirCair™ Connect Service Packages.

### NEW INSTALLATION

The integrated Camfil GoldLink Connect will be supplied as standard with Camfil’s range of dust & fume extraction systems, fully integrated within the main controller panel with inverter and the digital touchscreen controller, fully tailored to the requirements of your system.

### EXISTING INSTALLATION

For existing installations GoldLink Connect can be retrofitted to any make & model of dust collector in your facility, to ensure you have a total overview of the operational performance of your dust extraction systems. This will require an on-site installation of the GoldLink Connect equipment to your system. Camfil systems equipped with our touchscreen controller can be retrofitted with the Integrated GoldLink Connect.

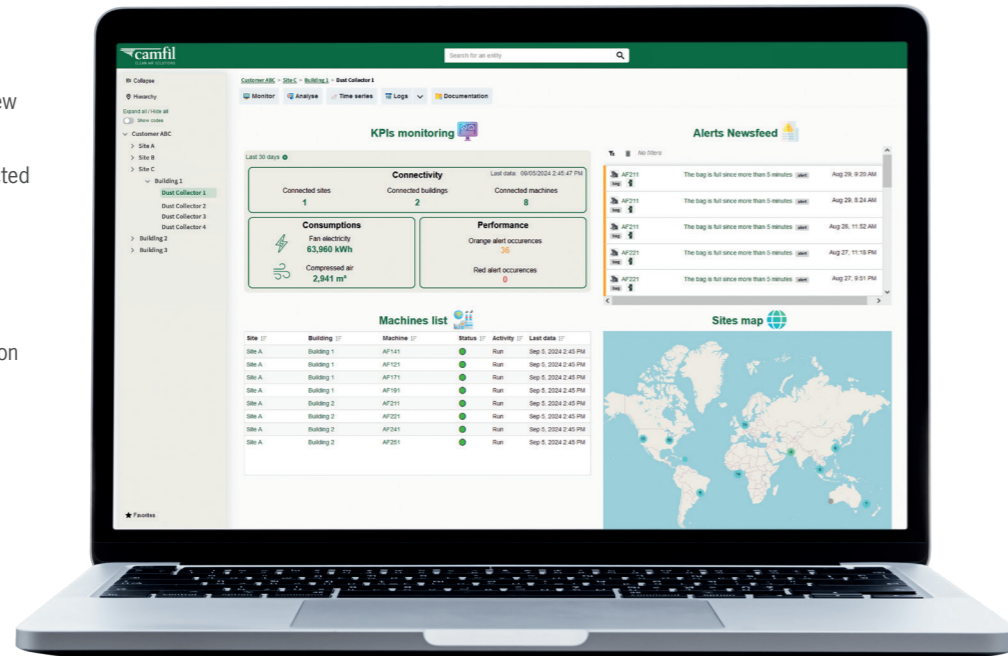


# EXPLORING GOLDLINK CONNECT

The home dashboard provides you with a complete view of your dust collector installation base equipped with GoldLink Connect. The GoldLink Connect system is modular and scalable which means you can view it in different countries, regions or locations from one place.

### Start your journey from the home dashboard:

- **KPIs:** Overall performance overview of monitored installations
- **Machine list:** Overview of connected and monitored units
- **Alerts newsfeed:** Consolidated list of most recent alerts of installation base
- **Site map:** Geographical localisation of monitored sites



### SITE MONITORING & COMPARISON:

In the second level of your dashboard you get an overview of all dust collection systems monitored with GoldLink Connect. The overview can be grouped by production site and further down by building. Using the analyse tool, you get a side by side comparison of parameters such as energy consumption, compressed air consumption, filter pressure drop, and many other features for your system selection. This feature allow users to see how their units are performing to each other and provide dust collector insights on how to optimise the single units on a continual basis.



### PERFORMANCE DATA AT YOUR FINGERTIPS:

The individual unit dashboard provides a quick and easy overview of the most important information for each dust collection system. It allows you to evaluate your operational running cost which highlights filter pressure drop, energy consumption and compressed air consumption over a time period of your choosing. Intuitive measuring points give a status indication that combines user friendly traffic light alerts so you can immediately identify if and where your collector needs attention.

Historical alert news feed, data forecasting and TCO analysis tools allow remote system support and diagnostics from your dashboard. Each alert is logged and within the system along with a quick guide to support the specific alert. In our MyCamfil Connect portal a full documentation library for your unit can be found as well as service and safety documentation. \* We also provide full AirCair™ Connect Service Packages as an option should you wish for Camfil to maintain and ensure your systems are operating at optimum efficiency.

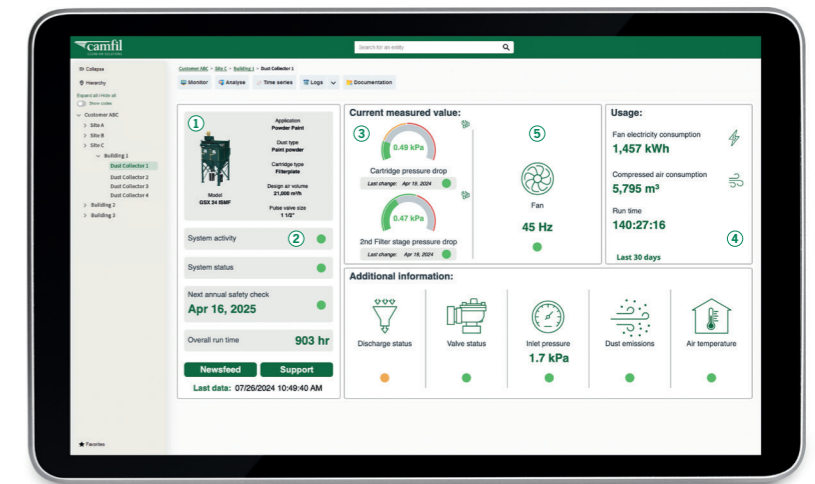
\*For all new Camfil units. All units which are serviced by Camfil will have their service documents uploaded onto the unit library.

### Information individual unit dashboard:

1. Dust collector description
2. Traffic light alert system
3. Differential pressure across filters
4. Energy consumption data
5. Current fan speed

### The traffic light system working principle:

- System will stop and require immediate attention.
- System has an alert that will need attention.
- System is operating efficiently.



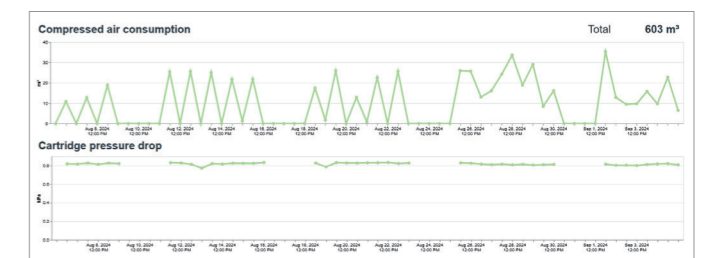
### HISTORICAL DATA:

The GoldLink Connect dashboard provides you with long-term performance data such as fan energy consumption, compressed air consumption and cartridge pressure drop. This allows users to identify key opportunities to improve overall efficiency.

### SETTING ALERTS:

When GoldLink Connect is used in combination with a Camfil touchscreen controller, alarm settings will be imported directly from the controller, this means that no settings in the dashboard are required.

Retrofit GoldLink Connect units will have alerts set in your dashboard by Camfil. These alerts will be emailed to the established responsible service contact for your system.



## ALWAYS IN CONTROL OF YOUR SYSTEM

Efficiently operating a dust collector can save energy costs, operational expenses and consumables. But how do you know it operates efficiently without constantly doing pressure readings and visual equipment status checks? GoldLink Connect is an easy to use flexible system, that allows remote monitoring of several measuring points on your dust collector and can be customised to meet your needs. Here are a few of the most common items monitored.



**1. Filter Condition Monitoring (standard for stage 1)**

Stage 1 Filter – Main cartridge filter, monitoring pressure drop across your filters indicates the condition and allows you to plan and predicts when they need to be replaced. Replacing cartridges at the right time maximises filtration efficiency, reduces energy and labour cost and allows a more productive facility.

Stage 2 Filter – Absolute or other secondary filters are often used to provide an additional safety barrier or improve overall system efficiency and as such they are important to monitor to enable predictive change-out based upon condition.

**2. Energy Monitoring (option)**

Fan energy is the largest single operating cost for a dust collector and the KW consumption is monitored from the inverter and allows you to track, trend and adjust your system and realise real cost savings.

**3. Compressed Air Consumption (option)**

Most dust extraction units operate with pulse-jet filter cleaning systems which, if they are not set up correctly, can be another large consumer of your energy costs. This tracks consumption of compressed air in m<sup>3</sup>.

**4. Hopper & Waste Dust Level Indication (option)**

Building up of dust in the hopper cannot always be visual and if not dealt with can be very detrimental to the filter life or creating system blockages. The level sensor probes provide alerts for any action that might be needed to clear the hopper or to empty the waste dust bin.

**5. Dust Discharge System (option)**

The automatic dust discharge system is a crucial component to ensure effective removal of collected dust. If the system is stopped, an alert will be generated so appropriate action can be taken.

**6. Air Temperature & Relative Humidity (option)**

Temperature and relative humidity fluctuations can be a problem in some systems and it is important to ensure that stable temperature and relative humidity levels are maintained.

**7. Particle Emission Monitoring (option)**

For some systems there is a regulatory requirement to ensure emissions are within local permissible levels and this key data can be monitored and recorded within the dashboard to ensure compliance and reduce potential risks of fines.

## GOLDLINK CONNECT - PART OF AIRCAIR™ CONNECT SERVICE PACKAGES

Camfil’s AirCair™ service offering supports you to maintain your filtration equipment in order to keep your workers breathing cleaner air and save you time and money.

Dust collectors are safety devices and a large piece of capital equipment. They are critical to the process and without a functioning extraction system production would stop. Manufacturers are increasingly investing in service, turning to advanced digital solutions to boost operational efficiency, in order to maintain constant performance and to insure full safety compliance. To support this, Camfil offers AirCair™ Connect Service Packages which include the following components:



Annual service



GoldLink Connect system



MyCamfil Connect portal



Optional service components

## MAKE YOUR DUST COLLECTOR SMART AND REDUCE OPERATIONAL COSTS:

If you are interested in **GoldLink Connect** and would like to utilise the MyCamfil Connect portal to monitor the performance of your equipment, please contact your local representative:

**AirCair™ Connect Service Packages** are fully flexible and can be extended to include additional services to meet your sites unique requirements. We offer the following services:

1. Book a free demonstration
2. Define system measuring points
3. Arrange a system installation
4. Initialise dashboards
5. MyCamfil Connect portal expert training
6. Subscription renewal

1. ATEX safety inspection
2. Filter supply and installation
3. BIBO (Bag-In Bag-Out ) safe change
4. Controller services and upgrades
5. Pulsing system service and upgrades

### How to find your local Camfil representative:

Go to [www.camfil.com/contact](http://www.camfil.com/contact) or scan the QR code.



## Camfil – a global leader in air filters and clean air solutions

For more than half a century, Camfil has been helping people breathe cleaner air. As a leading manufacturer of premium clean air solutions, we provide commercial and industrial systems for air filtration and air pollution control that improve worker and equipment productivity, minimize energy use, and benefit human health and the environment.

We firmly believe that the best solutions for our customers are the best solutions for our planet, too. That's why every step of the way – from design to delivery and across the product life cycle – we consider the impact of what we do on people and on the world around us. Through a fresh approach to problem-solving, innovative design, precise process control and a strong customer focus we aim to conserve more, use less and find better ways – so we can all breathe easier.

The Camfil Group is headquartered in Stockholm, Sweden, and has 30 manufacturing sites, six R&D centres, local sales offices in 35 countries, and about 5,600 employees and growing. We proudly serve and support customers in a wide variety of industries and in communities across the world. To discover how Camfil can help you to protect people, processes and the environment.

[www.camfil.com](http://www.camfil.com)

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