

# Keep your factories productive during the Corona crisis - and beyond.

## IRES Shopfloor Analytics

Enabled by Cybus Connectware - unified IIoT Gateway & Edge

### The current problem

The necessary protection measures during the Corona crisis make it at least challenging to keep productions going and sudden quarantines can even block the entire process.

For many factories the typical workaround mix of having fewer people on site and trying home-office is hardly feasible. In most cases production output is slowed down despite best efforts.

### Inescapable drivers

In response more companies require their suppliers to have reliable pandemic mitigation in place. Equally, banks and insurances are pushing in the same direction.

Scientists and medical experts are warning of further waves of infections this autumn and as the pandemic expands globally. In addition, the spreading of the virus from local hot spots across the country is expected to make the response more difficult then and to require the return of strong measures.

### Deciding factors

Ideally... for most machines, you shouldn't need to physically be near them in order to check their working status or if they need specific actions or new material.

Ideally... machines signaling of status, errors or needs should be the same across vendors and across machine types, so there would be no risk of misinterpretation.

In the current situation the combination of signal normalisation and remote supervision could stabilize factory production despite the crisis. For some companies this can make a life-saving difference.

### IRES Shopfloor Analytics does the trick

Now production managers can get precisely that:

**IRES Shopfloor Analytics enables monitoring any machine of any vendor remotely and reliably in one central system.**

**This allows you to further minimise people traffic on the shopfloor and still act swiftly and correctly on status changes. Your production can continue at pace.**

As a bonus you're turning the page to best practice shopfloor efficiency far beyond the Corona crisis.

### Implementation within hours

**First of all: No 3rd party staff needs to access your shopfloor.**

Your own maintenance staff can install the solution (I/O connectors, transmitters and base station) with no particular training and in a matter of minutes.

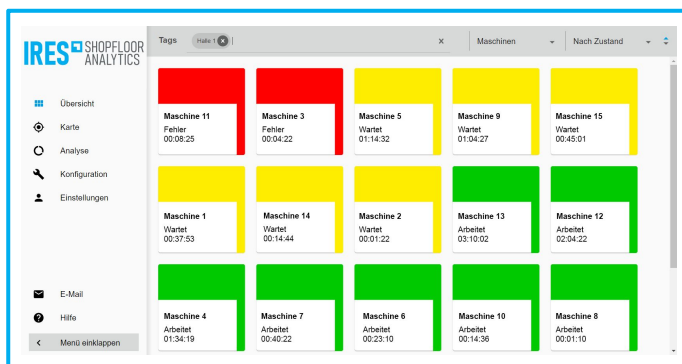
**Then our remote support can setup your machine monitoring for you within hours.** After that your IT staff can cut the connection to us and no data will leave your factory unless you specifically decide for it to do so.

And you can roll out your solution to more factories any time and manage, monitor and optimise locally or even globally.

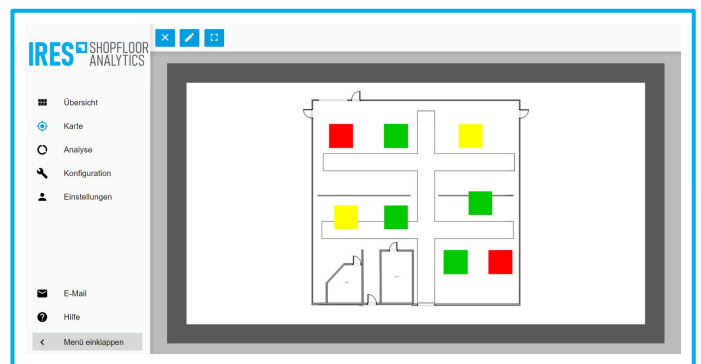
### Special offer

We're supporting production managers in the Corona crisis. Pfannenberg is helping **5 companies** by providing IRES Shopfloor Analytics at a **50% reduced price**.

**Contact us: [ires@pfannenberg.com](mailto:ires@pfannenberg.com)**



IRES Shopfloor Analytics - dashboard view



IRES Shopfloor Analytics - map view

# Get started today. Be productive tomorrow.

## Highlights

- Quick to deploy when and where needed first
- Systematic and easy to extend as needed
- Integrates just about any machine type of any vendor
- Integrates manual workstations
- Configuration and usage entirely independent from any existing systems
- Flexible energy supply via machine status displays, simple machine switches or standard 24V
- Automatically creates its own mesh-network (2.4 GHz)
- I/O-Connect is largely independent from signal reach of the base station
- Industry-grade network encryption
- DIN SPEC 27070 compliant data exchange
- IEC 62443 compliant data- & network security
- Minimal invest and quick amortisation
- Cost efficient implementation and operation
- Raises overall equipment efficiency (OEE) measurably - beyond the Corona crisis.

## Talk to us directly

We've created IRES Shopfloor Analytics based on our desire to increase clarity in our own shopfloor processes and to optimize productivity in the Pfannenbergs production overall. We're now excited to help other companies achieve the same, plus get through this current crisis a lot better and even come back stronger on the other side.

It is much easier than you might think. And we're here to help you realize your solution quick and effectively. With all the competence and passion for efficiency that always drives us.

Talk to us today. We're looking forward to it.

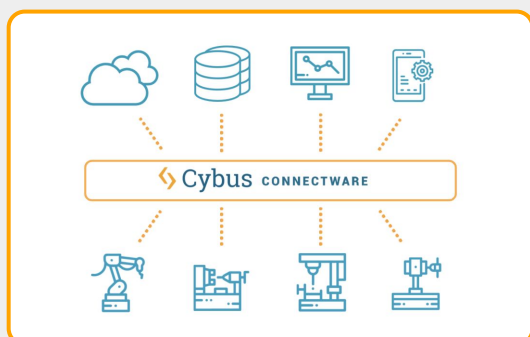
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## Pfannenbergs built IRES Shopfloor Analytics on Cybus Connectware - Industrial IoT made in Germany

The Cybus Connectware universal IIoT Gateway & Edge platform has been evaluated by leading industry analysts as truly innovative, impactful and intriguing. Its architectural principles enable efficient IIoT services that can equally run in on-premises scenarios on an IPC as well as easily scale to comprehensive, multi-site and high-performance environments.

Cybus is engaged in the World Economic Forum (WEF) Data Sharing Workgroup & the International Data Spaces Association (IDSA).



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- IIoT middleware / SW-defined Gateway
- Technology-neutral layer
- Microservices architecture
- Supports 30+ industry connector protocols and can leverage industrial adapter modules where that's best
- Supports data provision through MQTT and REST APIs as well as individual Docker containers to feed into ERP, MES, IoT Apps, Databases and analytics, Cloud Services, Platforms, Mobile Devices or Wearables
- DIN SPEC 27070 compliant
- IEC 62443 compliant
- Infrastructure-as-Code concept enables IT workflow efficiency
- Cluster-capable
- Failover-support
- Deploy-as-you-prefer (on premises, data center, cloud)
- Manage-as-you-prefer
- Single sign-on
- Open API
- Open Documentation