



BLACKBIRD
SMART DATA COLLECTION

Your production data,
anywhere, in real time



Getting your manufacturing ready for industry 4.0?

Factbird gives you...

Real time data that shows if production is on target

Facts about unexpected stops causing downtime

Production process data that you can access from anywhere

Productivity increase in your factory

A data collection system, ready in one hour

What you can do

Obtain production process data anywhere in real time

Factbird collects data from sensors (for example, number of units produced, or temperature of materials) and visualizes it on our secure cloud server. You can see this data anytime anywhere to monitor your production status at app.blackbird.online.

• How is the production running?

Factbird shows historical data with the number of units produced per minute, temperature of your process, etc. Using app.blackbird.online you can see figures and trend graphs for different time ranges.

• How much downtime did we have today?

Factbird can show key statistics, such as the number of stops, length of downtime, line operating rate, best minute, longest non-stop period, etc.

• How efficient is the production line?

Factbird shows key performance indicators for manufacturing efficiency, such as percentage of value adding time, average stop length, hourly chart of line productivity, OEE, etc.

• Making a report for a performance meeting?

You can download data into Excel (.csv), PDF, image format (.png) etc. for further analysis.

• Making a report to show how different stop causes contribute to down time?

You can register a cause for each stop and find the source of downtime.

Your production data shows valuable insight



Number of units produced

Analyzed and Visualized data on smart phones, tablets and PCs

- Digital data (e.g how many units produced, when and how long a production line stopped,)
- Analog data (e.g. temperature, humidity, flow)
- Video data (Videos synced with production data)



OEE

Actionable Data – Connect Data to Knowledge

- Analyze line stops and down time
- Analyze line efficiency by hour
- Analyze each batch's line performance
- Analyze OEE

Simple and easy installation

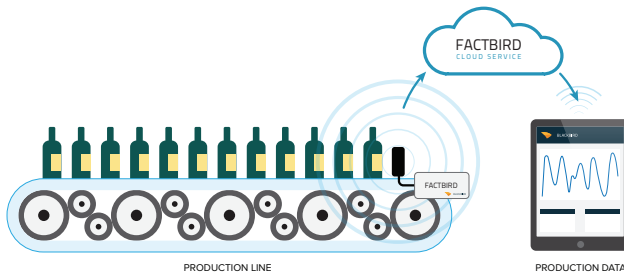
Plug and play – Factbird can be installed in less than one hour on a production line. Installation only requires an AC power outlet and a connected sensor.

• How to install

1. Install the sensor (currently adaptable for various sensors from Omron and Sick) and Factbird on a production line, and connect the Factbird to 100V/240V AC power.
2. Log in with your e-mail and password on app.blackbird.online to access your production process data from anywhere.

• Easy implementation

No large investments
No slow and complex IT project implementation
No connection or modification to your equipment or control systems
No involvement of your IT department



Independent and non-invasive product – Factbird collects data from a sensor, transfers that data via a GSM (cellular) network (wireless data transfer), and stores the data in a secure cloud database. It works independent of your existing system.

Need to comply with a GMP change request? We can supply input for your GMP change request.

What you can achieve with Factbird

- Optimization of production assets and operations
- Productivity increase
- Reduced unexpected downtime
- Faster and better decision making
- Identification of bottlenecks in your production line
- Quickly gain an overview of successes and challenges on your production line

Technology Highlights

Adaptable for various sensors (both digital and analog sensors) - Factbird is packaged with industry standard sensors depending on your specific application.

Independent and non-invasive product – Factbird collects data from a sensor, transfers that data via a GSM (cellular) network, and stores the data in a secure cloud database. It works independent of your existing system.

Plug and Play – Factbird can be mounted on your production line in less than one hour and you can immediately start monitoring your process data from anywhere in real time.



Secure data

SSL encrypted connection

We use SSL encrypted connections which is the same level of security used by online banks. You never send or receive sensitive information in plain-text at app.blackbird.online. We care deeply about protecting the privacy of the data entrusted to us by our customers.

Access from various kinds of devices – app.blackbird.online portal uses HTML5, which can be accessed from all iOS, Windows and Android devices.

Analysed and visualised data – Factbird can analyze your production process data in the cloud and provide you with valuable insights. Data can be downloaded in multiple formats, such as Excel (.csv), PDF, image format (.png).

Feedback for your decision making – You can register and archive the reasons of all the stop causes on your production line to see how much downtime there is and why it happened.

“Without data, you are just
another person with an opinion”

- W. Edwards Deming