Blackbird provides the Solution
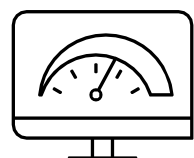
…making digital transformation easy

Monitor and **collect data real-time** from your production environment

Identify the root cause for waste products and take immediate action

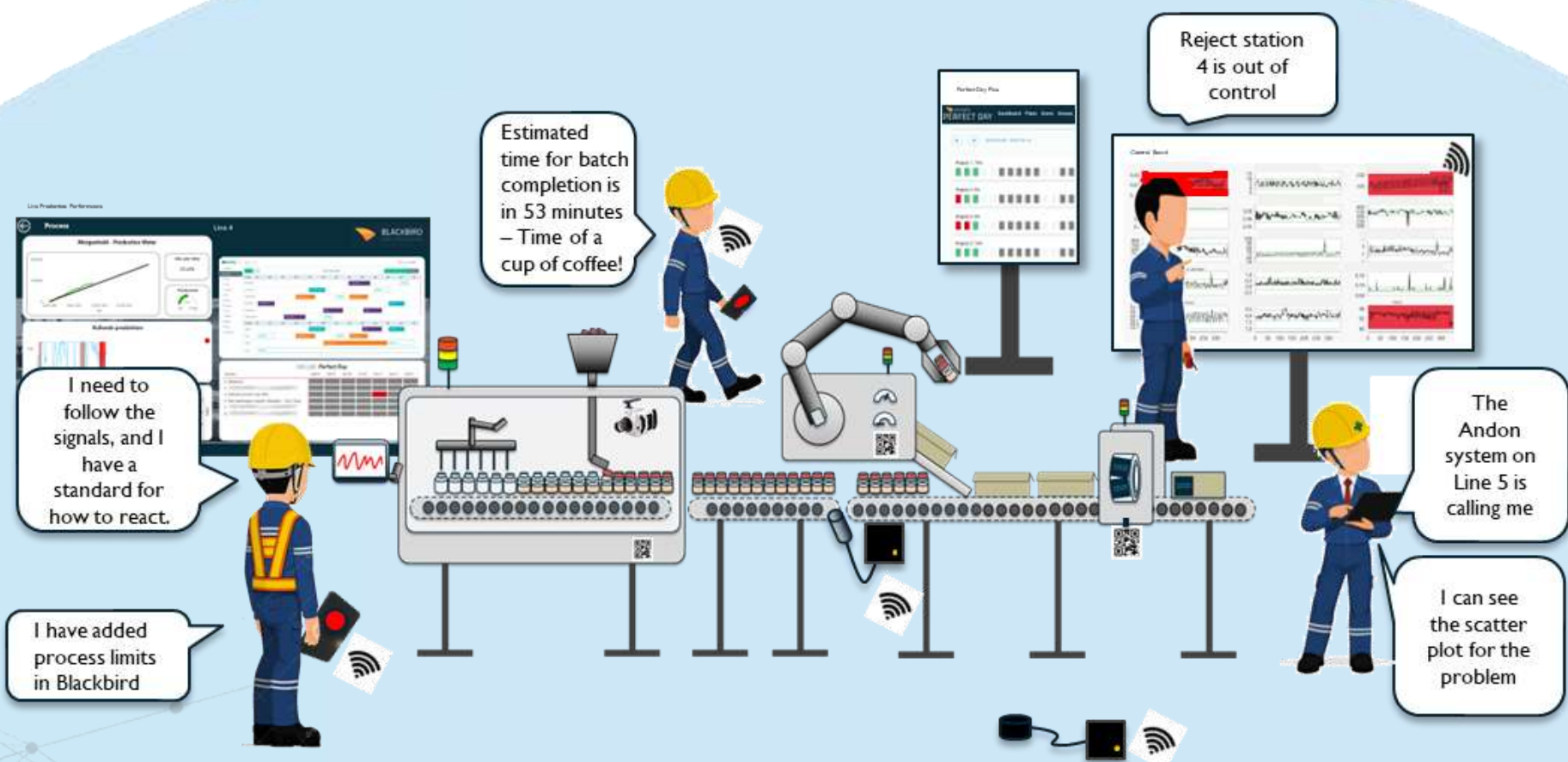Receive **downtime analysis, performance tracking,** and **condition monitoring**, OEE in real time

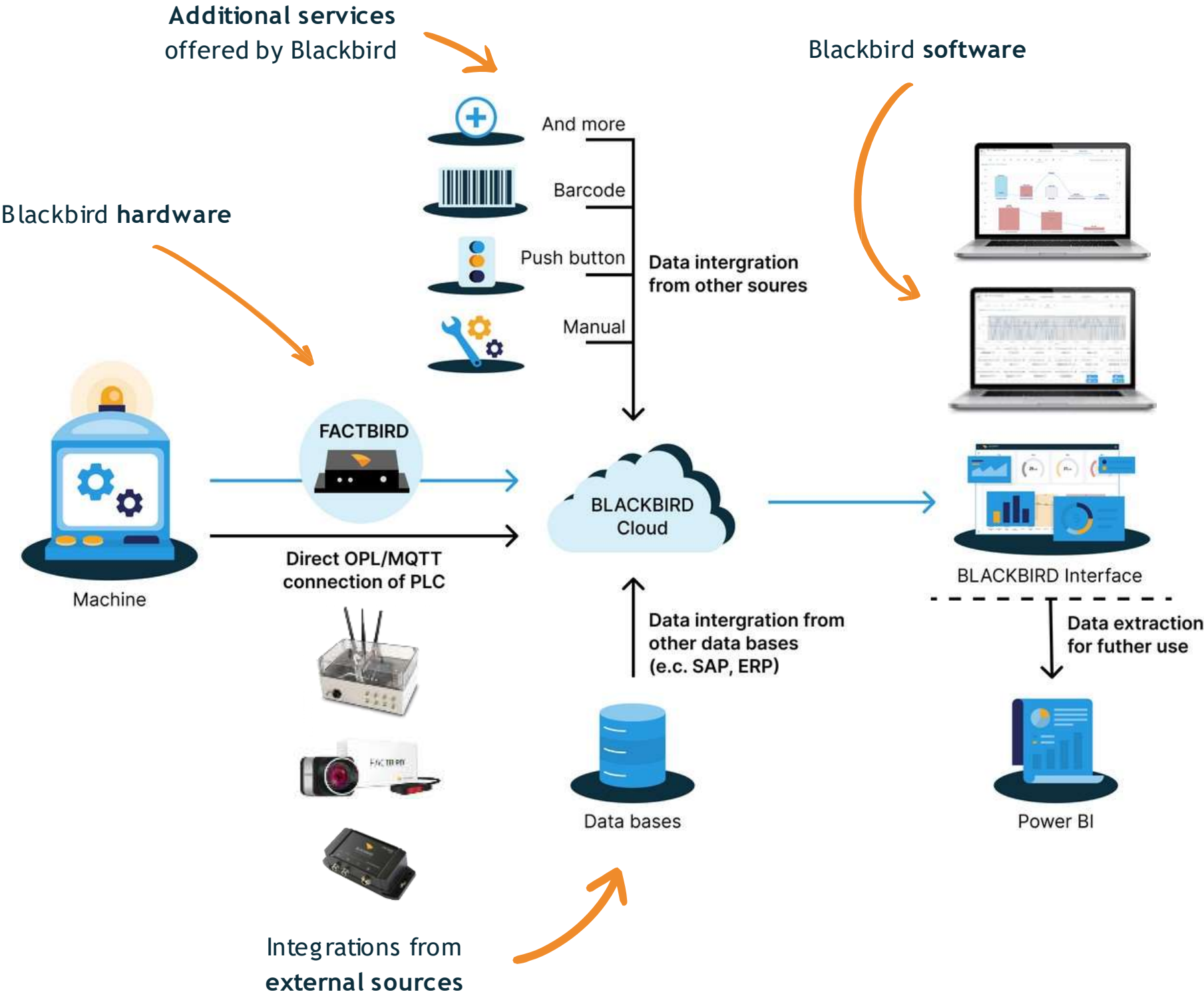Make continuous improvements and **increase production efficiency**

Triggers **alert on critical production lines** for immediate response

…and much more

... how it works

Additional services offered by Blackbird

Blackbird **hardware**

Blackbird **software**

And more

Barcode

Push button

Manual

Data intergration from other soures

FACTBIRD

Machine

Direct OPL/MQTT connection of PLC

BLACKBIRD Cloud

Data intergration from other data bases (e.c. SAP, ERP)

Data bases

BLACKBIRD Interface

Data extraction for futher use

Power BI

Integrations from **external sources**

The software

- Cloud-based software (AWS IoT)
- Unlimited users and role-specific management
- Compatible with any device
- Secure and scalable with AD user management
- Outside IT infrastructure
- Unprecedented insight to improve manufacturing efficiency through live data, analytics, OEE monitoring, KPI visualization, and much more...

The hardware

- A retrofitted IIoT gateway transfers it to the AWS cloud
- Agnostic to any sensors and can monitor upstream as well as downstream data
- Scalable to unlimited sensor inputs
- WiFi, SIM, or Ethernet connectivity
- Video data supported
- All development is done inhouse

Blackbird's Business Model

Pricing model

The pricing consists of hardware purchase and software license.

Hardware

Hardware are one-off investments pending on requirements (small vs large solutions, PLC integration vs gateway IIoT).

Software

Software license costs are determined by the number of lines and sensor collection points.

E.g. on inserted line:

HW cost between 500 EUR (PLC integration setup fee) and 1600 EUR (2 x Factbird Duo (IIoT Gateway) + 4 standard inductive sensors.

SW license fee for PLC setup 341 EUR MRR or IIoT Gateway data transfer (through Factbird) 780 EUR MRR (2 lines plus extra sensor).

Supporting sensor is **counting gross numbers** (digital sensor)

Scraps are taken out from the line – supporting sensor (scrap sensor) counts number of scraps (digital sensor)

Supporting sensor is **monitoring vibration** of labeler (Analog vibration sensor)

Case packer often stops – **bottleneck sensor** (Main digital sensor)