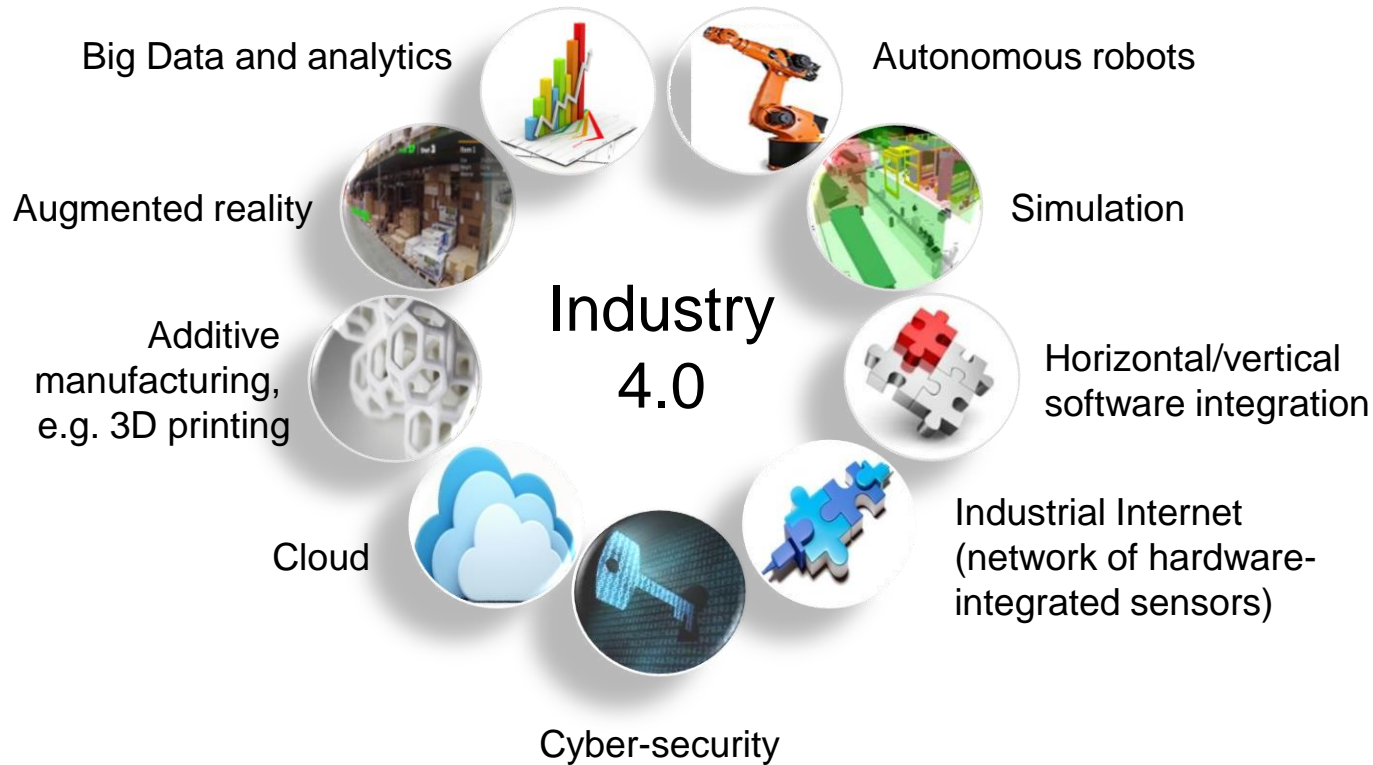


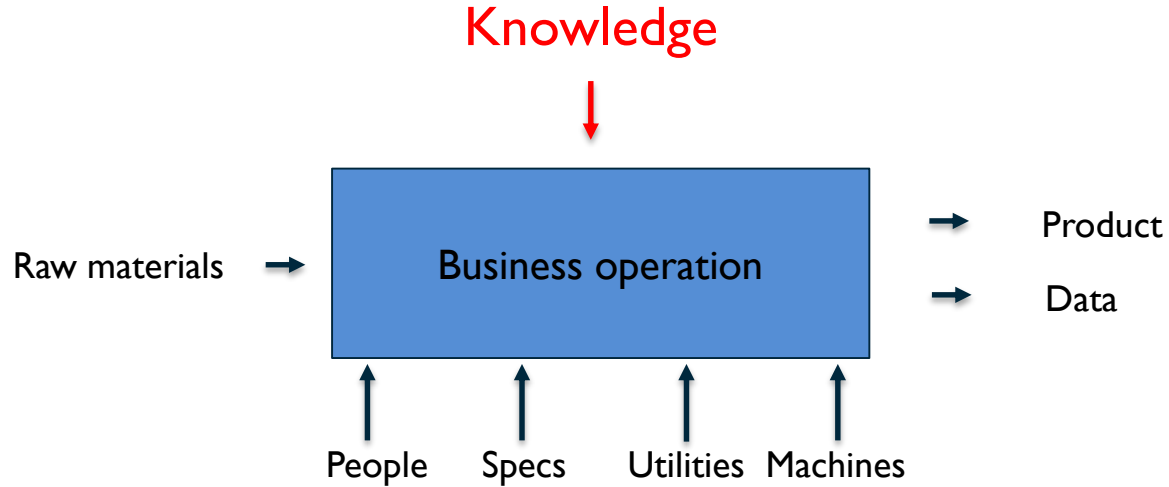
Making use of real-time-information will determine your company's future



Industry 4.0 is many things – Knowledge is in the core of all of it



Knowledge-as-a-resource is the driver in the new industrial revolution



Examples of companies using *Knowledge-as-a-resource* in their process



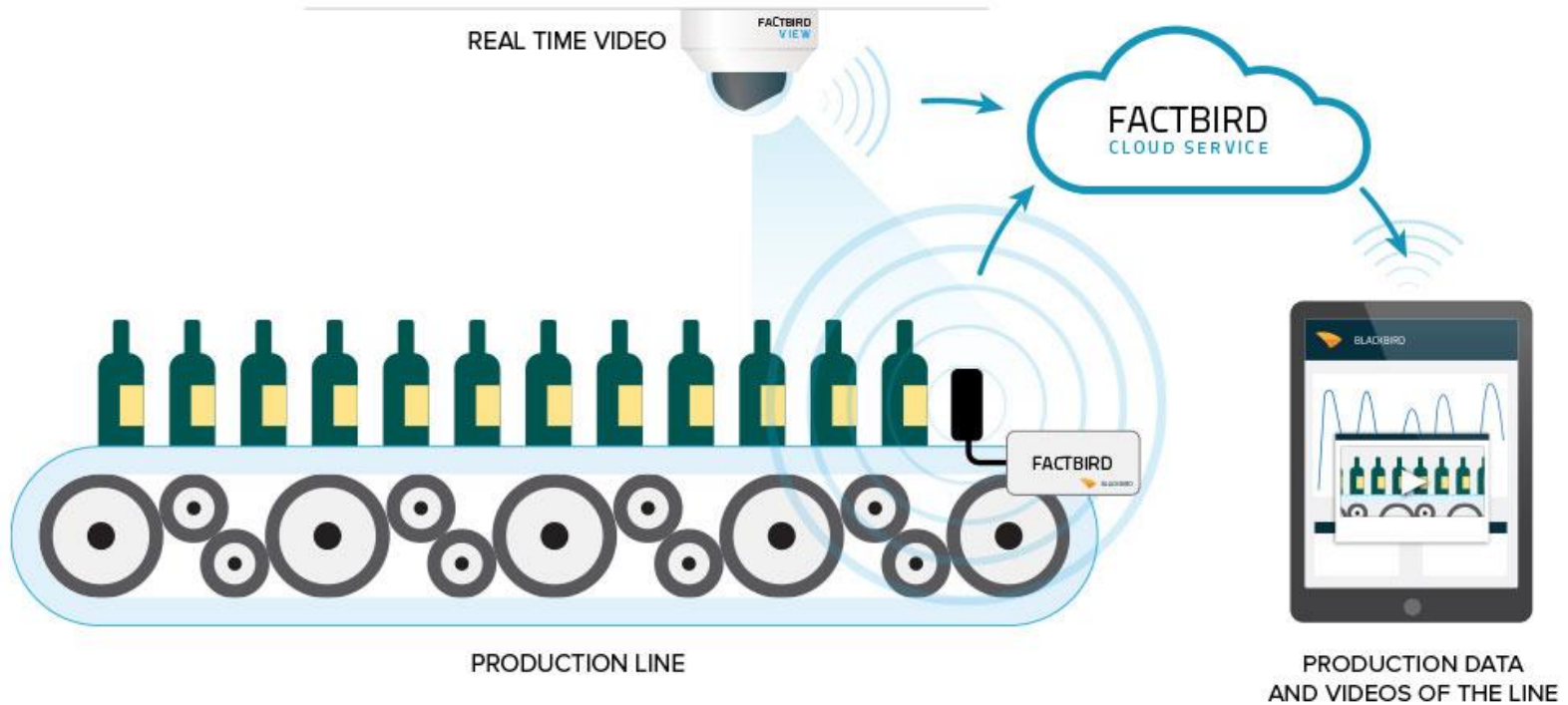
Rolls-Royce



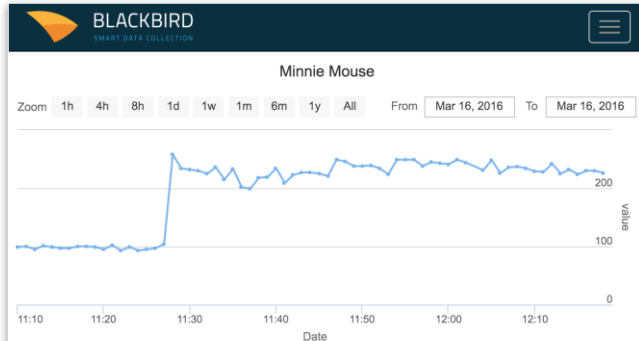
UBER



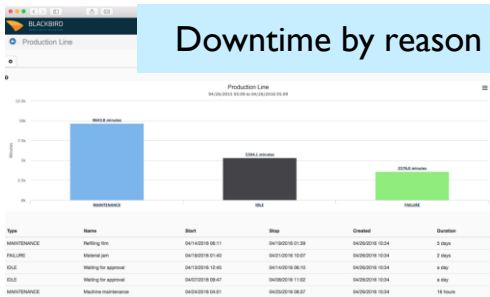
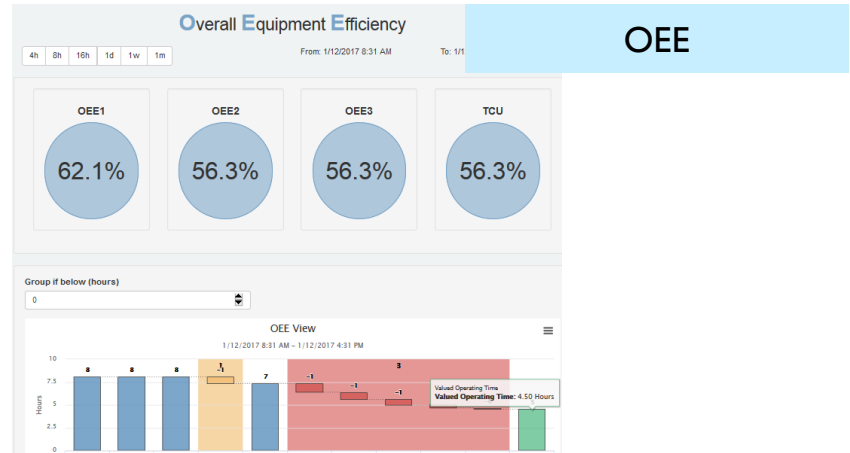
Blackbird – Industry 4.0 for everyone, in less than one hour



Global real-time user interface on your phone/tablet/pc

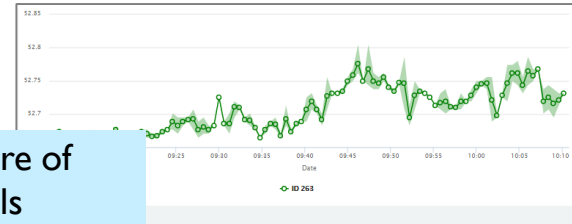


Number of units produced and live KPI's



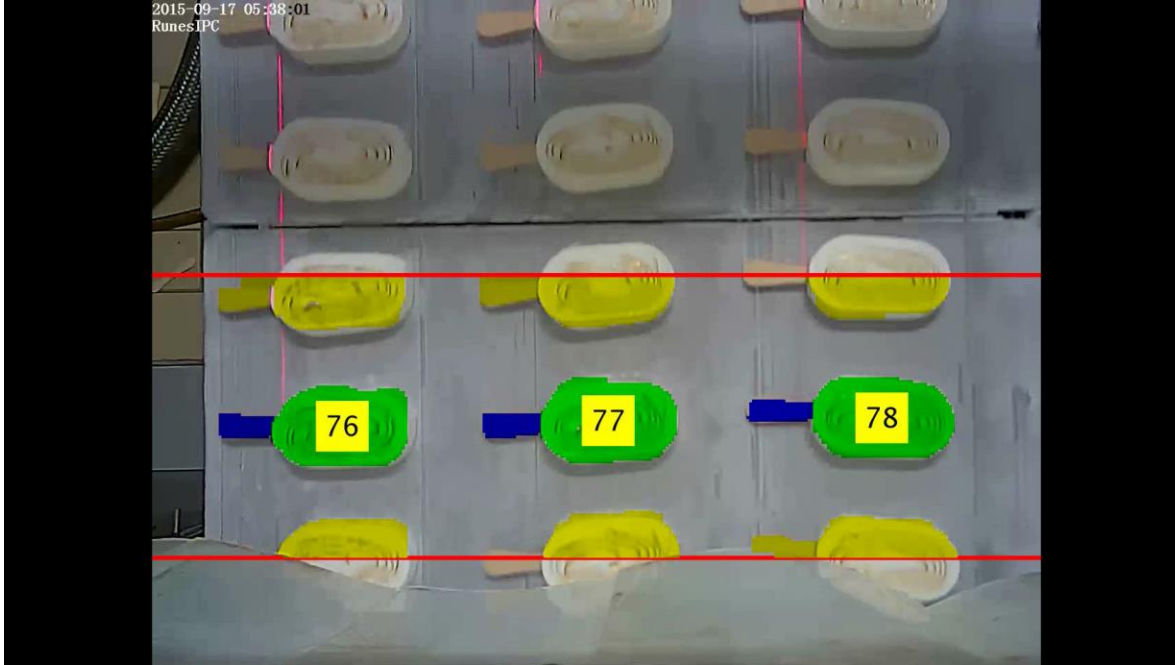
Downtime by reason

Temperature of materials





Cloud applications will soon “*learn*” to see what is “normal”



Blackbird cloud vision concept:
Ice-creams are digitized, counted, measured in size, wood stick size and straightness verified, and finally, alignment of the 3 tracks are measured

Computers will learn how to see without need for programming. In this example a “simple” teach-in algorithm is applied.

Blackbird development ambition: “Turn left”



We want to:

- Give advice – not just display data
- Adapt the application to the user
- Install learning capabilities
- Move beyond real time
- Support augmented reality

Where Blackbird systems are in use today

Industries

- Food
- Beer, soft drinks, bulk juice
- Pharmaceutical filling, inspection, packaging
- Cement
- Filter unit production
- Injection molding
- Utility monitoring (analog)
- Automotive
- Consulting
- Testing
- Construction site temperature monitoring
- Chemical process industry
- Sub-supplier monitoring

Countries

- Denmark
- Germany
- USA
- Ireland
- United Kingdom
- Turkey
- Russia
- Sweden
- Iceland
- Algeria
- Mexico

Growing with help from the Ministry of Foreign Affairs



- Our business strategy is to establish sales partners in EU and USA
- Partners established in UK and Ireland
- For Germany we are using Innovation Center Denmark in Munich to :
 - Fact finding and testing key messages and prices
 - Identification of business partners
 - Partner approach, first visit and negotiation support

Thank you for your time