



The Absolut Company  
Pernod Ricard

# DIGITALIZATION AT TAC OPERATIONS



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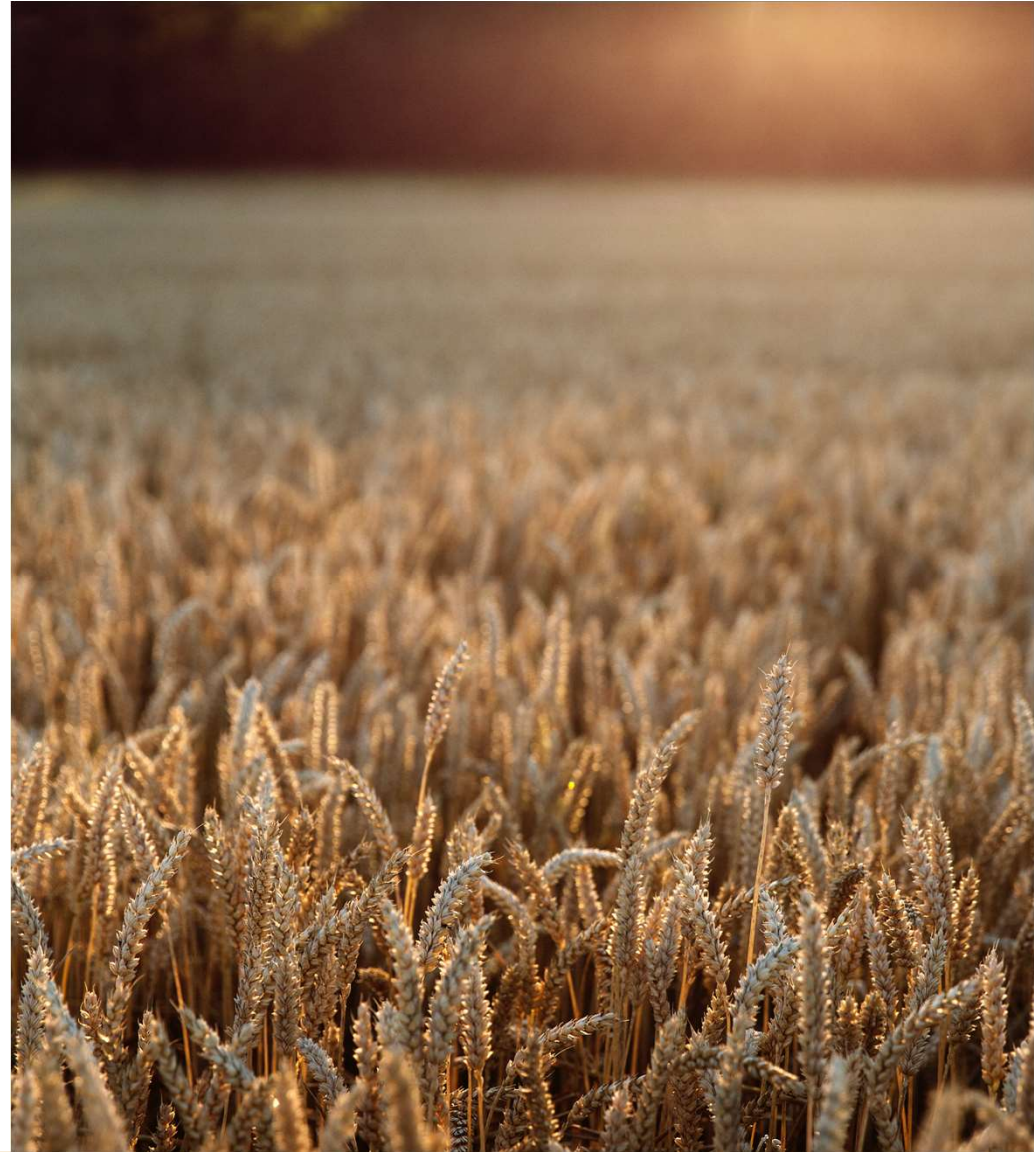
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# ONE SOURCE

- Every drop from one source – from wheat to bottle
- 125 million bottles
- 100 percent winter wheat from Southern Sweden
- Water from own deep wells
- Distilled according to "the King of Vodka" LO Smiths continuous process



# ONE COMMUNITY

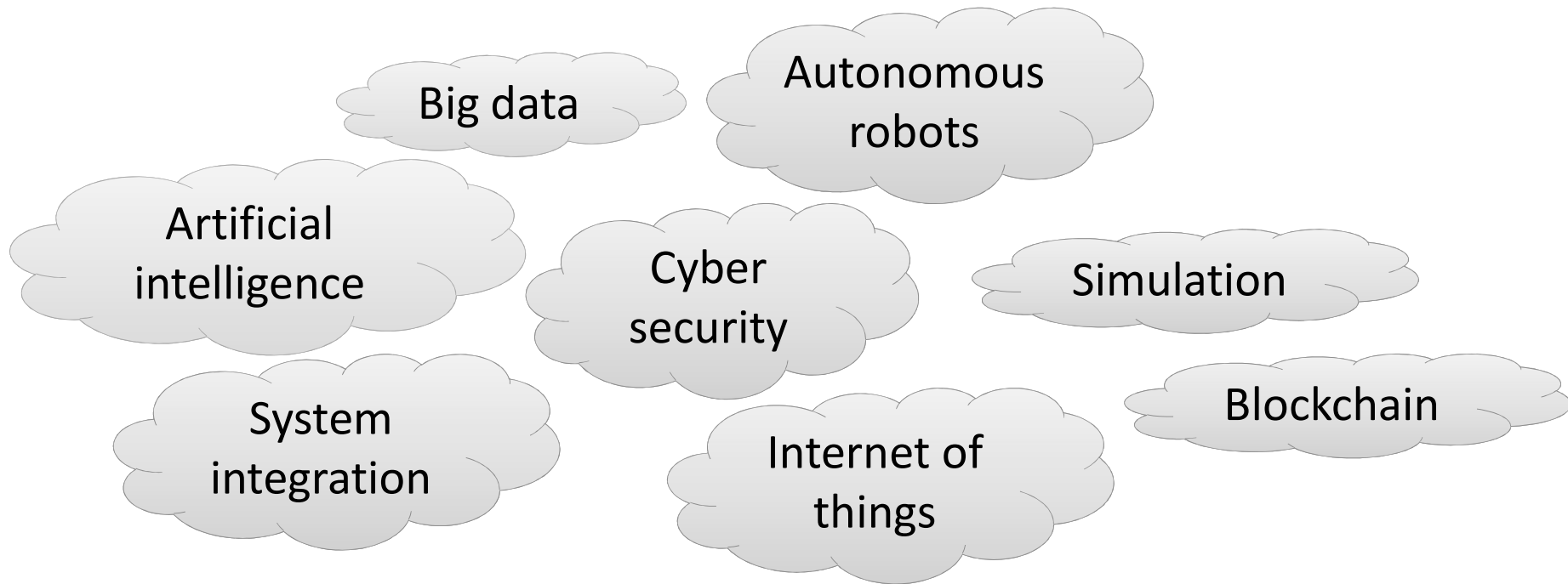
- 300 employees in Åhus
- In addition 1500 indirect jobs in Southern Sweden
- Majority of our suppliers within 3 hours
- Infrastructure - 75 percent of produced volumes are shipped from Åhus harbor
- Catalyst for entrepreneurship
- Visitors





# INDUSTRY 4.0

WHAT IS BEHIND THE BUZZWORDS?



# DIGITALIZATION ASSESSMENT

## CURRENT STATE

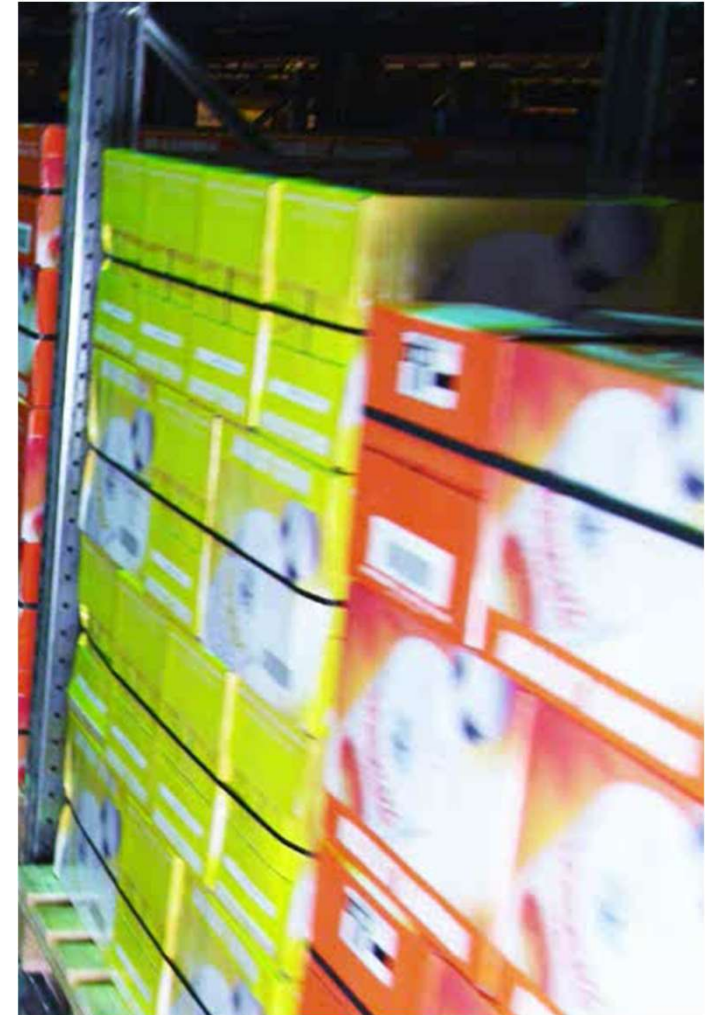
- Physically separated office and engineering-network
- Many stand-alone systems
  - In-house solutions
  - TAC standards
- Lack of data-transparency between systems
- Need for data-driven continuous improvement
- Machine learning driven planning solution
  - Lack real-time link to actual production data
- Long leadtime for new products
- Low granularity material tracking
- Lack of up to date visualization platform



# DIGITALIZATION

## INTEGRATED APPROACH

- Technology roadmap
  - What technological challenges are there to support manufacturing goals?
  - What machines are old and in need of maintenance/replacement?
  - What kind of value added new technology can we adapt?
- IT roadmap
  - What IT-platform is necessary for manufacturing?
- Enablers
  - Change management
  - User & Organizational change
  - Roles & Responsibilities
- Standardization
  - Analytics
  - Interfaces/protocols
  - System integration
  - Master data management







# DIGITALIZATION

## INITIAL FINDINGS

- Consolidation manufacturing software
  - Foundation
  - Integration source for external dependencies
  - Material tracking
  - Standardized interfaces
  - Service-oriented architecture
- Data-platform continuous improvements
  - Machine learning
  - AI-Driven vision systems
- Culture - Digital mindset
- Next generation engineering network
  - Availability
  - Security

# DIGITALIZATION

## COLLABORATION



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**SIEMENS**

*Ingenuity for life*





# DIGITALIZATION

## COLLABORATION

The main goal is to build a standardized IT-foundation for the future, ready for big data analytics and AGV implementation.

*Step 1 – Pilot installation on one production line*

- Siemens Opcenter Execution Process
  - Integration ERP-system
    - Orders
    - Materials
  - Material track & trace
    - Batches

# DIGITALIZATION

## CULTURE



LO Smith Digital Leadership Program

LO Smith Digital Mindset Program

