



# Company Presentation

Lebbing automation & drives GmbH

# Agenda.

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01 Jagenberg Group

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02 Lebbing automation & drives GmbH

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03 Solutions & Products

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04 Business Unit Lauer

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05 References

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01  
Jagenberg  
Group



# Key facts.

2023: ~370

Turnover in Mio. €

Locations in Europe,  
China, India and the  
USA

Locations

2023: ~1.500

Employees

Kleinewefers GmbH  
86 %

Jagenberg AG  
82 %

Equity ratio

100 %

Private ownership

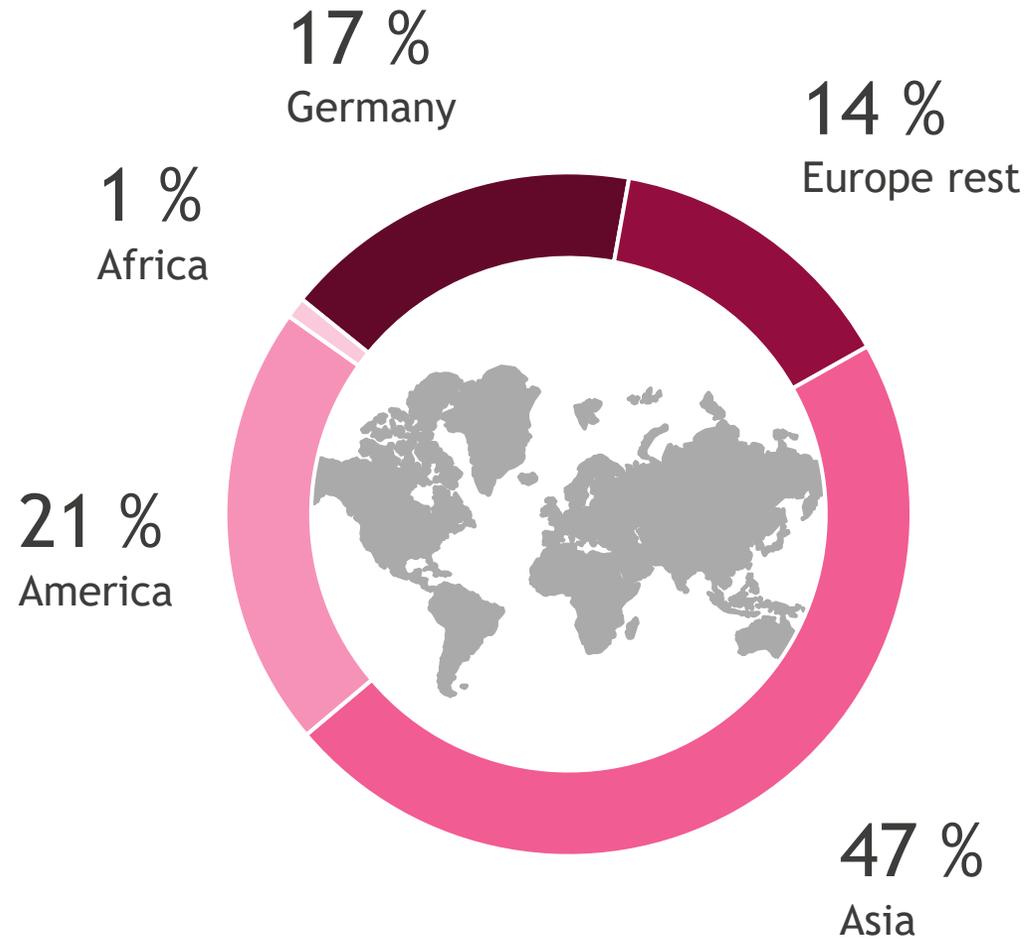
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Business parks



**Executive Board**  
Dr. Christian Jostes  
Dr. Stephan Witt

# Sales by region.



Fiscal year 2023

# Klenewefers Group

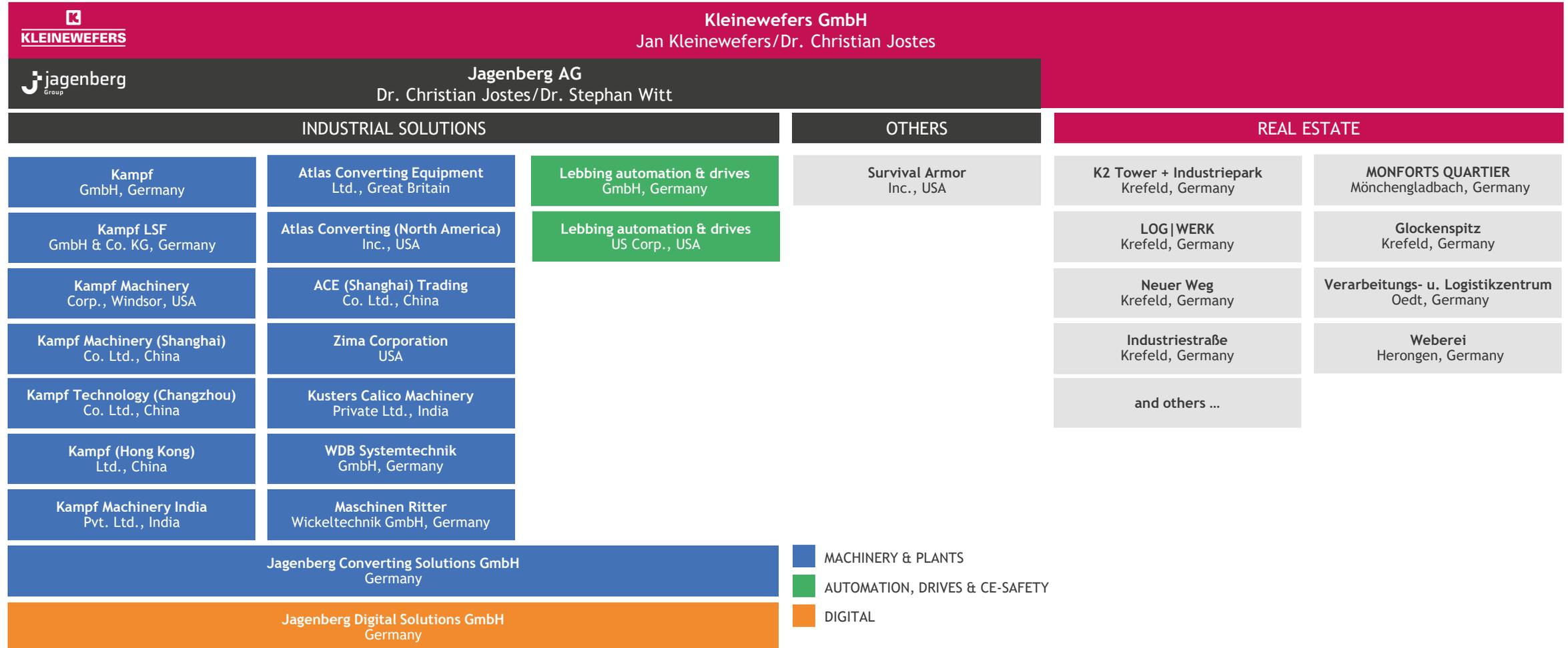


REAL ESTATE



and others ...

# Kleinewefers/Jagenberg Group



- MACHINERY & PLANTS
- AUTOMATION, DRIVES & CE-SAFETY
- DIGITAL

# Our mission statement. Create.Future.Together.



## Create.

Innovative technologies for processing web-shaped materials are the historically grown core of the Jagenberg Group and have been our focus for over 140 years. We design creative and future-oriented solutions for our customers. Our thinking is entrepreneurial and our culture mid-sized. Short decision-making processes, a high level of action competence and an agile organization enable us to take successful steps into the future quickly and decisively.



## Future.

We are ready to face the dynamic changes that the future holds for all of us - be it technological progress, digitization or climate change. Based on our values, we as a Group are actively working on innovative solutions to harness these megatrends in an economically and ecologically sustainable way for our customers and ourselves.



## Together.

Together we are strong! This motto characterizes the cohesion in our group. We face the future as a strong team of doers and creative minds. Together with our customers, suppliers and partners, we create the future. Through a fair and trusting exchange, we learn from each other and build long-term and reliable partnerships together.

# Our values. What we care about.

Trust.

Integrity.

Reliability.

Fairness.

Respect.

Openness.

Honesty.

# Our fields of application.



Coating/  
Lacquering



Laminating/  
Embossing



Drying



Printing



Calendering



Slitting/Winding/  
Spooling



Handling



Dyeing/Bleaching/  
Mercerising



Automation  
& Drives



Machine safety/  
CE-conformity



Digitization

CARING FOR  
THE FUTURE.



# Sustainability Strategy. Caring for the Future.

Our sustainability strategy systematically signifies our commitment to take responsibility and minimize negative environmental impacts.

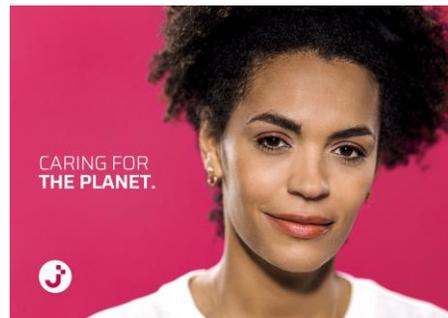
We respond to challenges by making the most of our strengths and skills and sharing our knowledge within the Group and with our suppliers and customers. Our comprehensive approach enables us to adopt new perspectives and develop sustainable solutions.



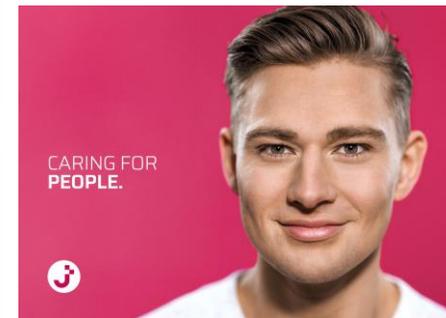
# Sustainability Strategy. Our Sustainability Report.



Climate action



Resource awareness

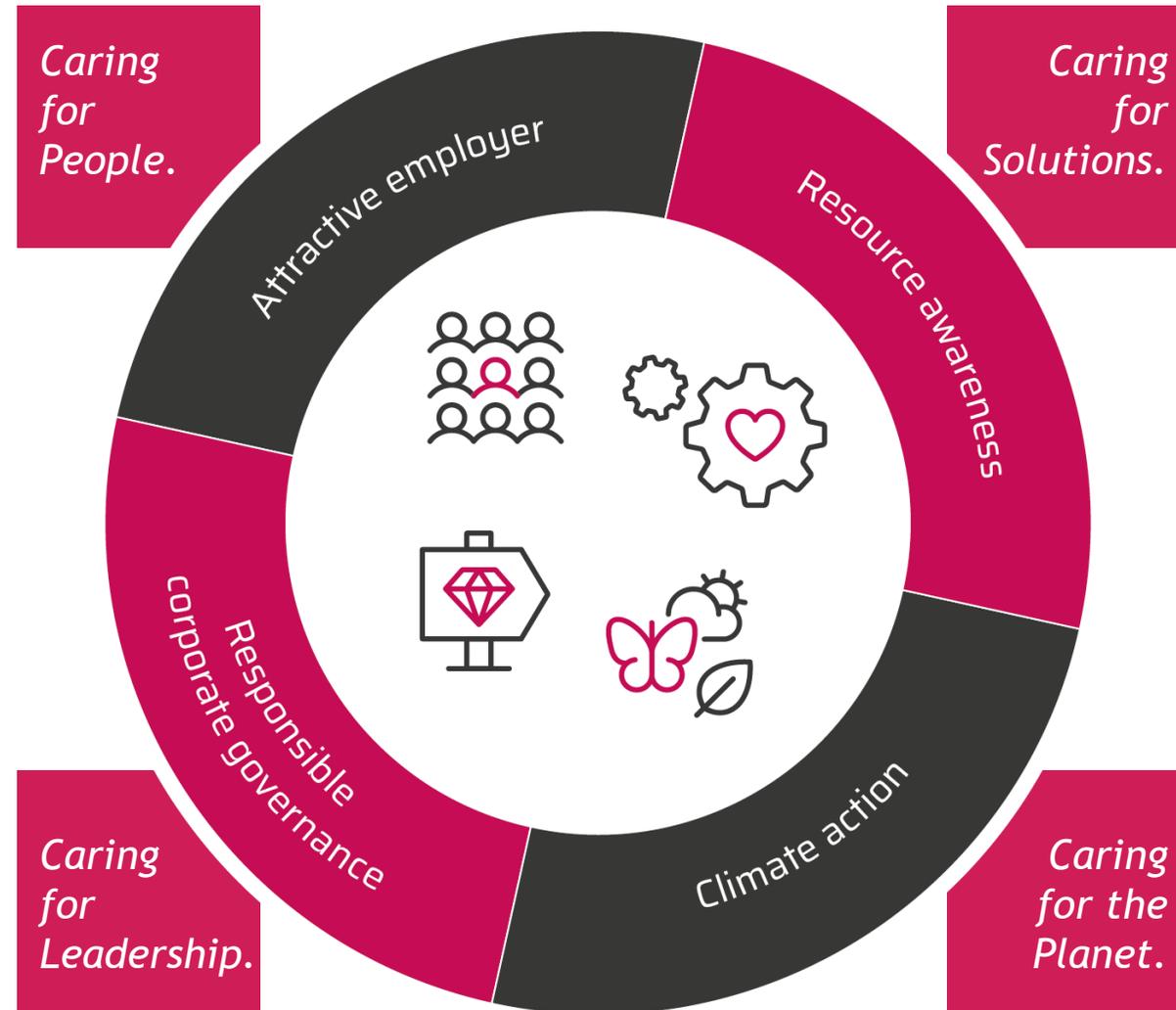


Attractive employer



Corporate governance

# Sustainability Strategie. Guiding themes.



# Sustainability Strategy.

## Our fields of action.

We concentrate on the following action areas:



### *Climate action*

We support the Paris Agreement and are actively helping to reduce carbon emissions.



### *Resource awareness*

We establish a responsible approach to the use of resources along the entire value chain.



### *Attractive employer*

As an employer, we attach great importance to treating our employees responsibly and respectfully. We create attractive conditions to promote personal and professional development.



### *Responsible corporate governance*

In line with our value system, we act on the basis of irreproachable conduct from an ethical and legal perspective.

02  
Lebbing  
automation &  
drives GmbH

Automation.Drives.Future.



# Key facts.

1998

Foundation

>130

Employees

5

Locations

2022: ~14 Mio. €  
2023: ~20 Mio. €

Revenue

Solution  
Partner

Automation  
Drives

SIEMENS

Partner



Management Team

Thomas Lebbing (Managing Director)

Guido Lebbing (Managing Director)

# History & Milestones.



1998

Founding of Lebbing engineering & consulting GmbH.

2005

Integration into the Borgers Group.

2009

Moving into the new company building Technology Park Bocholt.

2017

Founding the Lebbing automation & drives US Corp. (SC / USA).

2021

Start of the business unit „Printing“ in Enger.

2002

Certification as Siemens Solution Provider.

2008

Changing into the Jagenberg Group.

2015

Start of the business unit „Paper“ in Krefeld.

2020

Acquiring of „Ingenieurbüro Lauer“, founding the Lauer CE-Safety GmbH.

2023

Merger of Lauer CE-Safety GmbH, Coesfeld

Takeover and merger of ETA Papenkort GmbH, Bocholt.

# Locations.

**Headquarter**  
Bocholt I (Germany)

86 employees



**Germany**  
Krefeld

11 employees



**Germany**  
Schloß Holte-Stukenbrock

12 employees



**Germany**  
Coesfeld

15 employees



**SC, USA**  
Spartanburg



# Siemens.Solution.Partner.



Solution  
Partner

Automation  
Drives



Since 2003

Siemens Solution Partners:

- comprehensive application, system and industry knowledge
- proven project experience
- implement future-proof, customized solutions of the highest quality based on the Siemens product and system portfolio.

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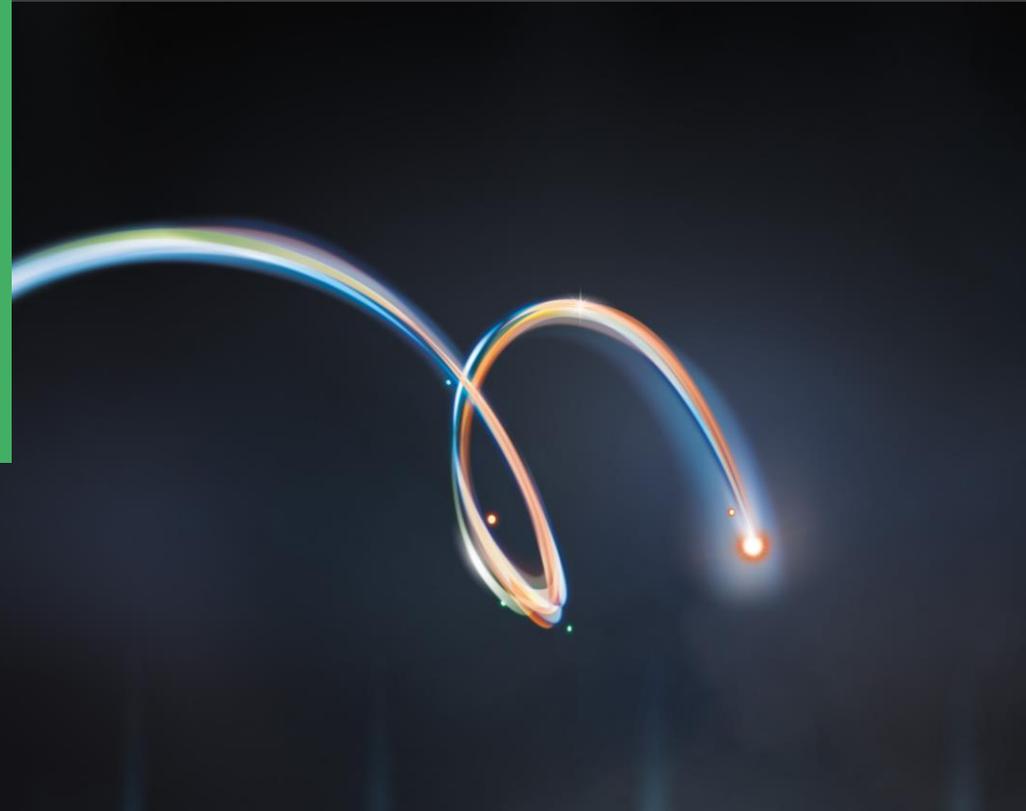
# Certifications.

## Lebbing is certified according to DIN EN ISO 9001:2015

This means quality in all areas, from planning and production right up to commissioning.



03  
Solutions &  
Products



# Solutions & Products.

Automation, drives, retrofitting, data systems  
and safety for web processing machinery.

**RE-THINKING MACHINES**

Automation.Drives.Future.

# Automation & Drive Technology.

01

Concept



02

Planning



03

Implementation



We develop mechatronic drive concepts -  
from operating units to cabinet rows or complex switchgear containers for large systems.

# Electrical Engineering.

Individual planning of switchgear systems for large-scale plants:

- operator panels
- cabinet rows
- switchgear containers

EPLAN P8



# Safety.



## Our Safety Services

Our SAFETY services provide customized answers to your questions and experienced support to guide you through the processes, which culminates in one thing: Safety for your employees and machines!

- ➔ European Machine Directive
- ➔ Industry 4.0
- ➔ Safety control
- ➔ Safe drive technology
- ● ● with focus on functional machine safety

# Control Technology.



Pictorial sources: © Siemens AG 2018, All rights reserved

## PLC & HMI operating and monitoring systems

Programmable Logic Controllers (PLC)



pioneering technologies for  
operation and monitoring and for process visualization



- production processes are
- mapped even more efficiently
  - displayed in a more transparent manner



**Reduced costs!**

# Data Systems.

## Software development / visualization systems (SCADA)

Development of comprehensive visualizations with maximum transparency across all layers:

Field and control level

Operations management level

Control level (ERP-System, e.g. SAP®)

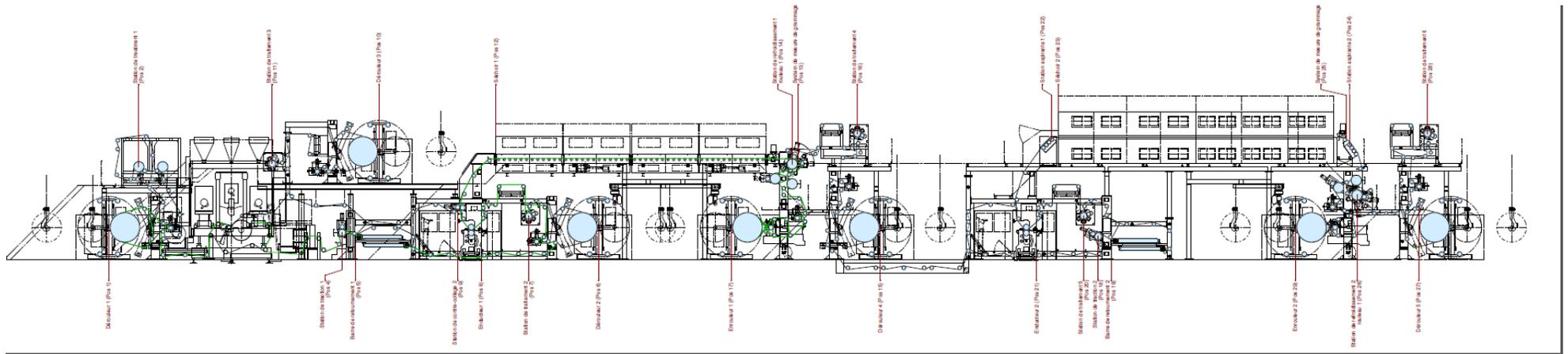


Maximum data collection and transparency on the basis of reliable and proven industrial standards for SCADA systems.



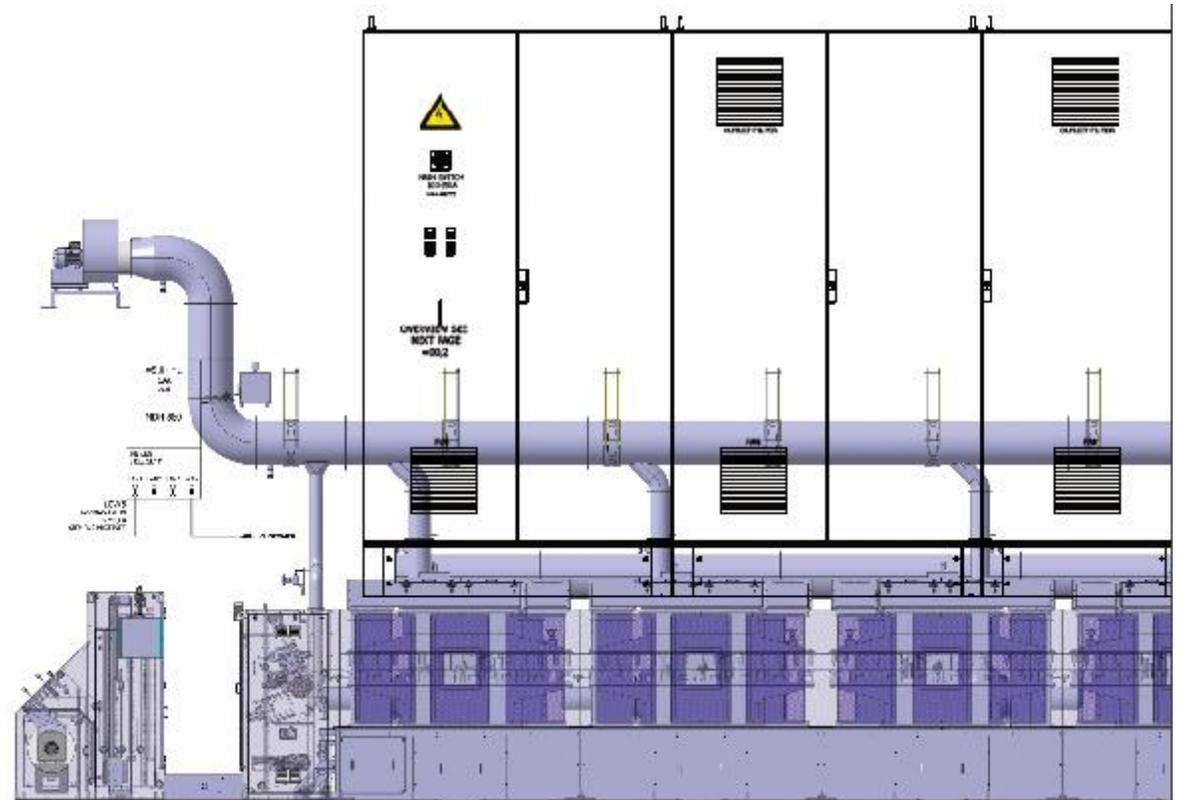
Motion Control Systems.

SIEMENS  
Parker  
Rockwell  
Lenze  
Others  
ABB



# Switchgear Production.

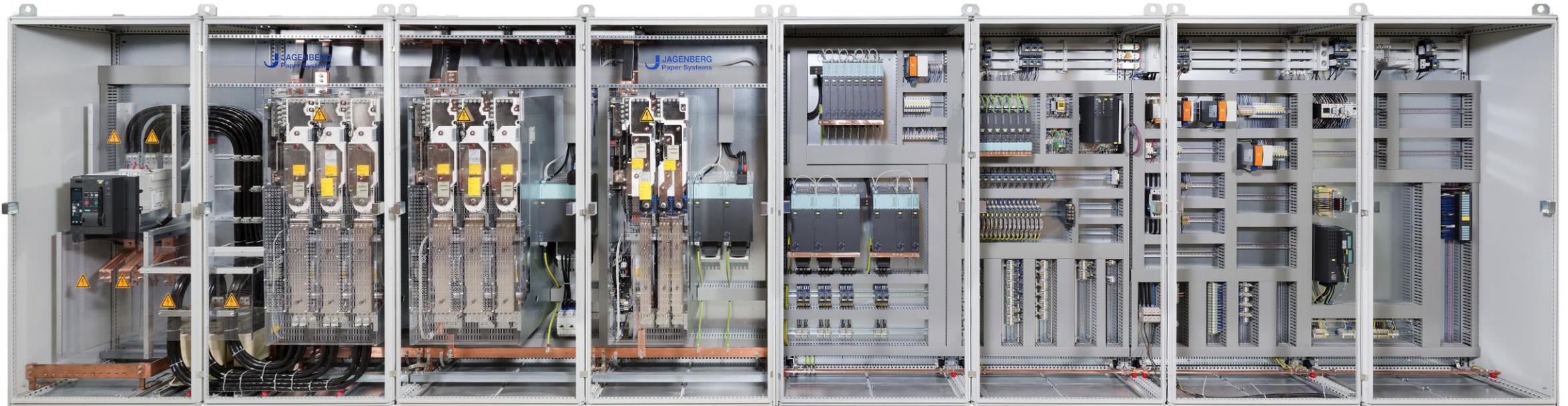
We pay attention not only to the latest **safety technology** and the **greatest possible ease of use**, but also to **increased performance** and **easy maintenance** with low space requirements.



# UL Panel Shop.



We guarantee absolute planning reliability even for time-critical North American projects, since now unplanned delays in the granting of operating permits on site in the USA and Canada are avoided.



# Retrofitting.



## Modernization

Through retrofitting, only the **electrical drive and automation components need to be replaced** to ensure system availability.

- ➔ State-of-the-art components for drive control
- ➔ Guaranteed spare parts supply
- ➔ Cost-efficient alternative to new machines
- ➔ Lower time expenditure
- ➔ Operator safety
- ➔ Compliance to EU standards

# Start Up & Commissioning.

## Electrical installation / commissioning

As part of our full service, we maintain our own team of globally experienced professional technicians and engineers for the installation and commissioning of systems “on-site”.



# After Sales Service.

01

Service



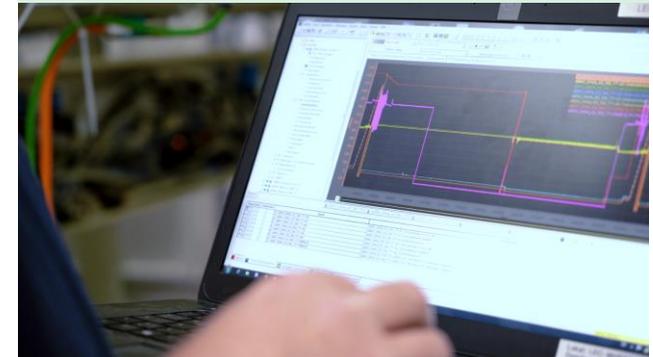
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Emergency Service



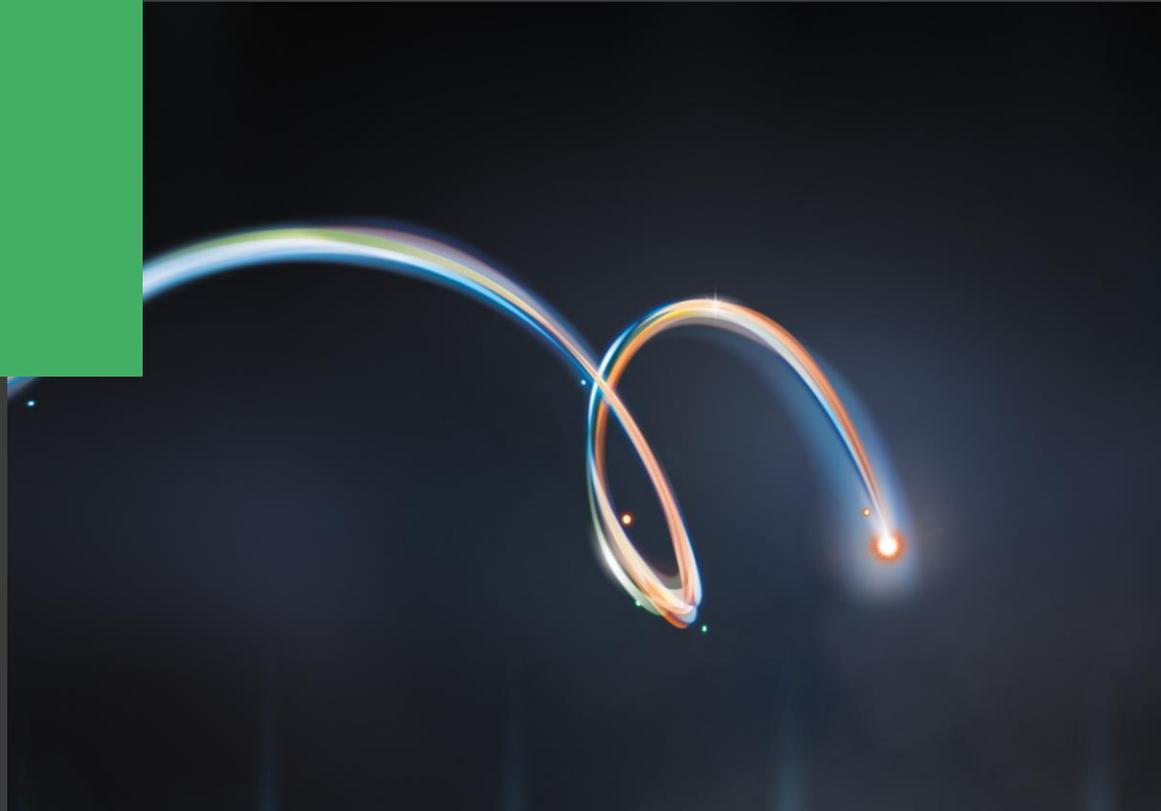
03

Remote Maintenance



We are available for all process engineering solutions and service requirements after commissioning. Close networks are available for this purpose in Europe and the USA, even with 24/7 service.

04  
CE-Saftey



# Our 360° services for CE marking



CE marking and  
Risk assessment

Safety assessment  
of modified plants



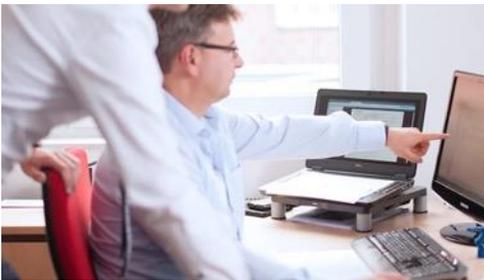
Training /  
Workshops

Verification & Validation



CE-Software

Functional Safety Engineering (FSE)



Operating instructions /  
Assembly instructions



Your solution provider  
for safe  
machines / systems  
in all technologies &  
industries

## CE-SAFETY - ON THE SAFE SIDE - WITH FULL-SERVICE



### Safety-Check

- Safety-related review of the existing machinery
- Assessment of significant / insignificant changes
- Definition of the safety functions
- New CE marking in case of substantial changes



### Functional safety

- Analysis of safety-related hardware and software
- Compilation of sensor-actor-matrix
- Verification and Validation of safety functions (electric, pneumatic, and hydraulic system)



### Tests

- Electrical tests
- Mechanical tests



### Explosion protection

- Explosion protection directive 2014/34/EU - ATEX
- Exposure assessment and classification of hazardous areas
- Explosion protection document
- Ignition hazard assessment



### User information

- User manuals
- Operating instructions
- Machine marking
- Safety data sheets



LEARN MORE  
ABOUT CE-SAFETY



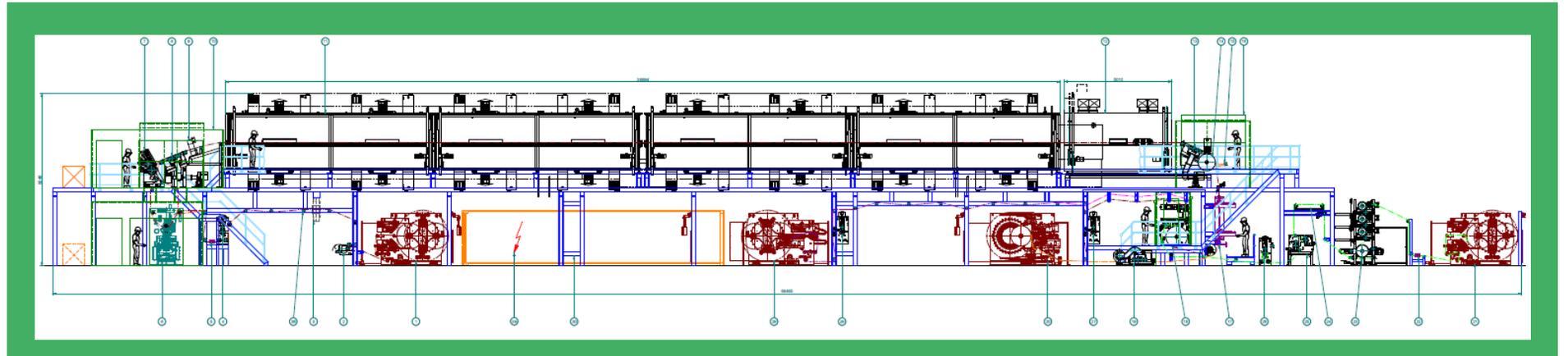
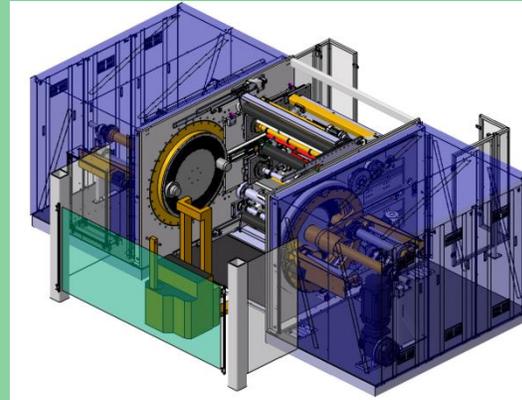
05  
References



# Germany.

## Coating line for graphical paper and labels

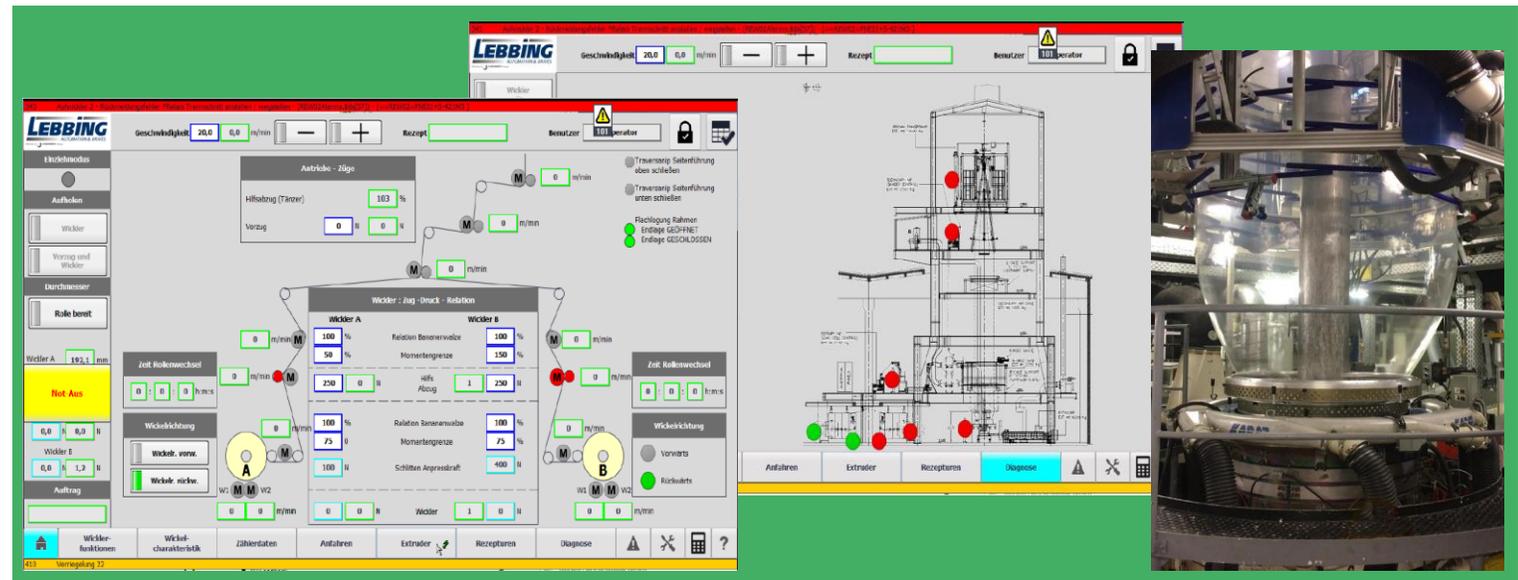
- 500m/min
- 1.900mm web width
- 4 special winders with flying splice
- PGS coating head, laminating station
- Complete electrical design
- Programming
- Installation and commissioning



# Germany.

## Retrofit of a Battenfeld 3-layer blown film extrusion line incl. rewinder and safety update

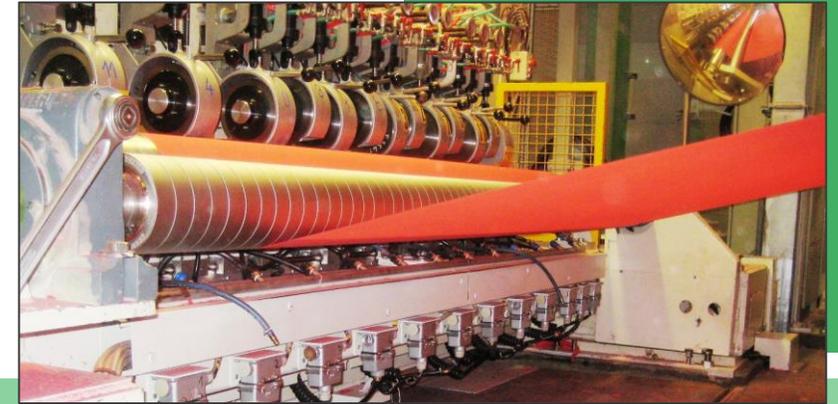
- 3 layer extrusion / 120mm / 160KW/ extruder
- 3100mm web width
- 2 turret winder with automatic splice
- 250m/min web speed
- Complete electrical engineering, EPLAN 8
- PLC and drive programming
- HMI operator displays
- DC to AC motors exchange
- Standard bus interface for gravimetric and dosing control
- Risk analysis and implementation of the necessary measures according to DIN EN ISO 13849
- Installation and commissioning



# France.

## JAGENBERG VARI-SOFT

- Complete electrical retrofit design
- HMI, Drive & PLC programming (Siemens)
- Installation
- Commissioning



# England.

## Airbag Scour Line

Our team of engineers were responsible for this project from the first concept up to the commissioning and the following service. Extensive consultancies, the development of optimal solution proposals and the realization with the help of modern engineering tools were integral parts of our assignment.

### Our tasks:

- Complete electrical design
- PLC programming (Rockwell)
- Drive programming (Yaskawa)
- HMI Programming (Wonderware)
- Installation and commissioning



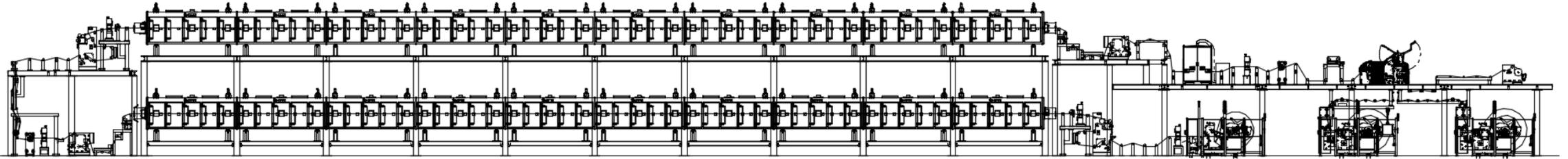
# Ukraine.

## Printing line for wall paper

- Complete electrical design
- Drive & PLC programming
- Installation
- Commissioning



# Sweden.



## Coating machine for battery electrodes

- 60 m/min
- 260 - 810 mm web width
- Turret winder with flying reel change
- Special coating heads
  
- Complete electrical engineering
- PLC and drive programming
- Installation
- Commissioning

The whole project was especially driven by creating a mutual understanding between our customer and our engineering team to meet all requirements of a very detailed specification and to develop a solution for an overall control concept as a blueprint for future projects.

This specifically included individual topics such as cabinet design, QR code labeling, halogen-free installation for Dry&Clean rooms and furthermore PackML implementation according to OMAC specification with desired modifications and traceability. Documentation for all parts of the project was developed according to our client's needs and requirements.

# USA.

## PVDC coating line

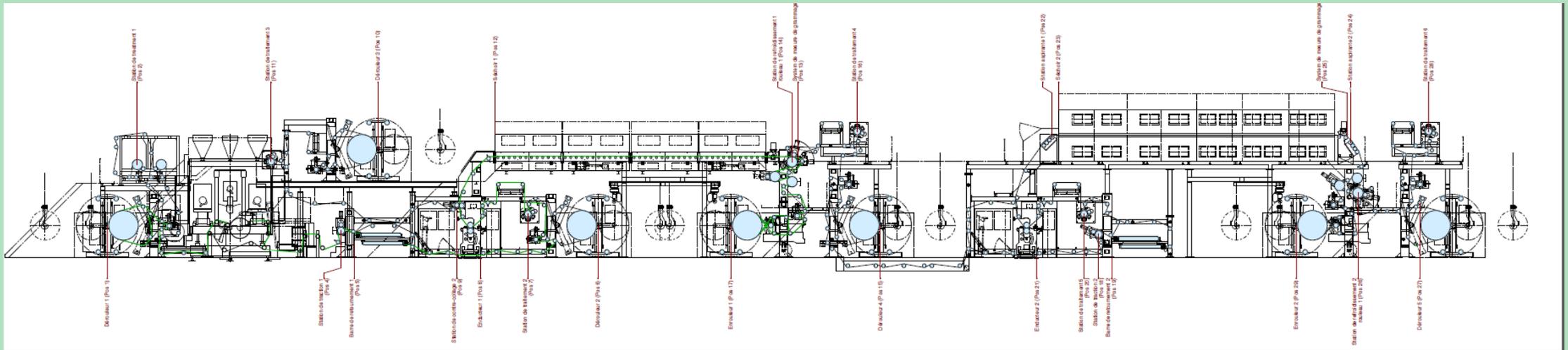
- 200 m/min
  - 1700 mm web width
  - 2 turret winder with flying splice
  - 4 coating units
  - 4 electric dryers
- 
- Complete electrical concept, according to UL guideline
  - PLC programming
  - HMI programming
  - Commissioning



# Canada.

Coating line 300m/min for pharmaceutical and food packaging material

- 23 different web paths
- 7 fully automatic winders with flying splice
- extruder
- Flame pretreatment
- wet lamination
- 2 coating heads
- Overall electrical concept, according to cUL guideline
- PLC programming (Siemens)
- HMI programming (WinCC SCADA)
- Installation and commissioning



# Japan.

## Coating line for silicone paper and labels

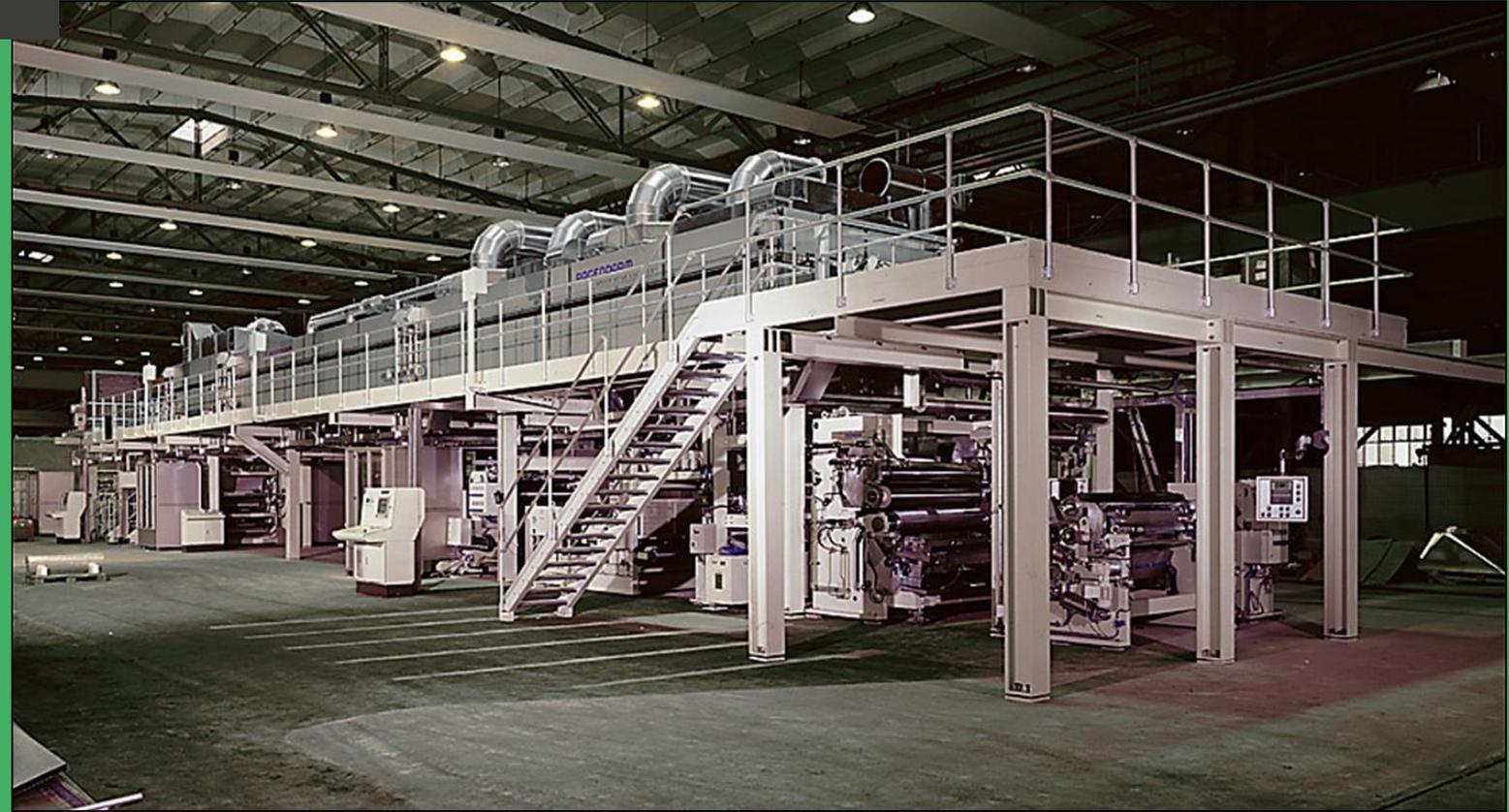
- 500m/min
- 1.650mm web width
- 3 special winders with flying splice
- PGS coating head
- laminating station
  
- Complete electrical design
- Drive&PLC programming
- Installation
- Commissioning



# China.

## Coating line for silicone paper and labels (ATEX)

- 400m/min
- 1.650mm web width
- 3 turret winders with flying splice
- AGS coating head
- laminating station
  
- Complete electrical design
- Drive & PLC programming
- Installation
- Commissioning



# Brasil.



## Coating line for silicone paper and labels

- 400m/min
- 2.200mm web width
- 3 turret winders with flying splice
- Silicone coating head
- PGS coating head
- laminating station
  
- Complete electrical design
- Drive & PLC programming
- Installation
- Commissioning



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