ASYS Group

Transforming Ideas – Automate, Digitalize & Connect

ASYS Group – Facts & Figures

95 %

systems manufactured in Germany

> 84,000

machines installed worldwide

13

subsidiaries

27,000m²

production area at the Dornstadt site

> 1,200

employees worldwide

6 Sigma

excellent quality:
6 Sigma standard for process machines

Our Companies United under the Brand ASYS Group

ASYS GROUP

ASYS Automatisierungssysteme GmbH in Dornstadt near Ulm is the holding company of the ASYS Group

Automation Systems
ASYS Automatisierungssysteme GmbH

Screen Printing Technologies
EKRA Automatisierungssysteme GmbH

Dry Storage Systems
Totech Europe B.V.

Tray- and Transfersystems
ASYS Tecton GmbH

Test Systems
Botest Systems GmbH

Process & Cleanroom Technology
ASYS Prozess- und Reinraumtechnik GmbH

Metal Frame and Housing Construction
ASYS Metall GmbH

Software Solutions
Motives Software GmbH

Powder Coating
MEVO GmbH

Suppliers

Company Headquarters & Employees

1 | Dornstadt

Automation Systems
ASYS Automatisierungssysteme GmbH — **693**

Process & Cleanroom Technology
ASYS Prozess- und Reinraumtechnik GmbH — 20

Metal Frame and Housing Construction
ASYS Metall GmbH — 95

Powder Coating
MEVO GmbH — 26

2 | PJ Dronten

Dry Storage Systems
Totech Europe B.V. — 18

3 | Kreuz-Wertheim

Test Systems
Botest Systems GmbH — 4

4 | Bönnigheim

Screen Printing Technologies
EKRA Automatisierungssysteme GmbH — 200

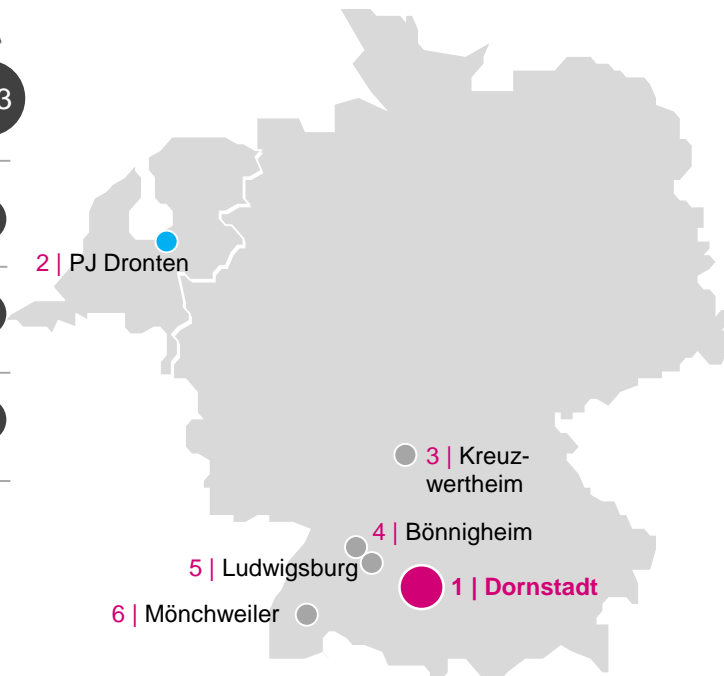## 5 | Ludwigsburg

Software Solutions
Motives Software GmbH — 9
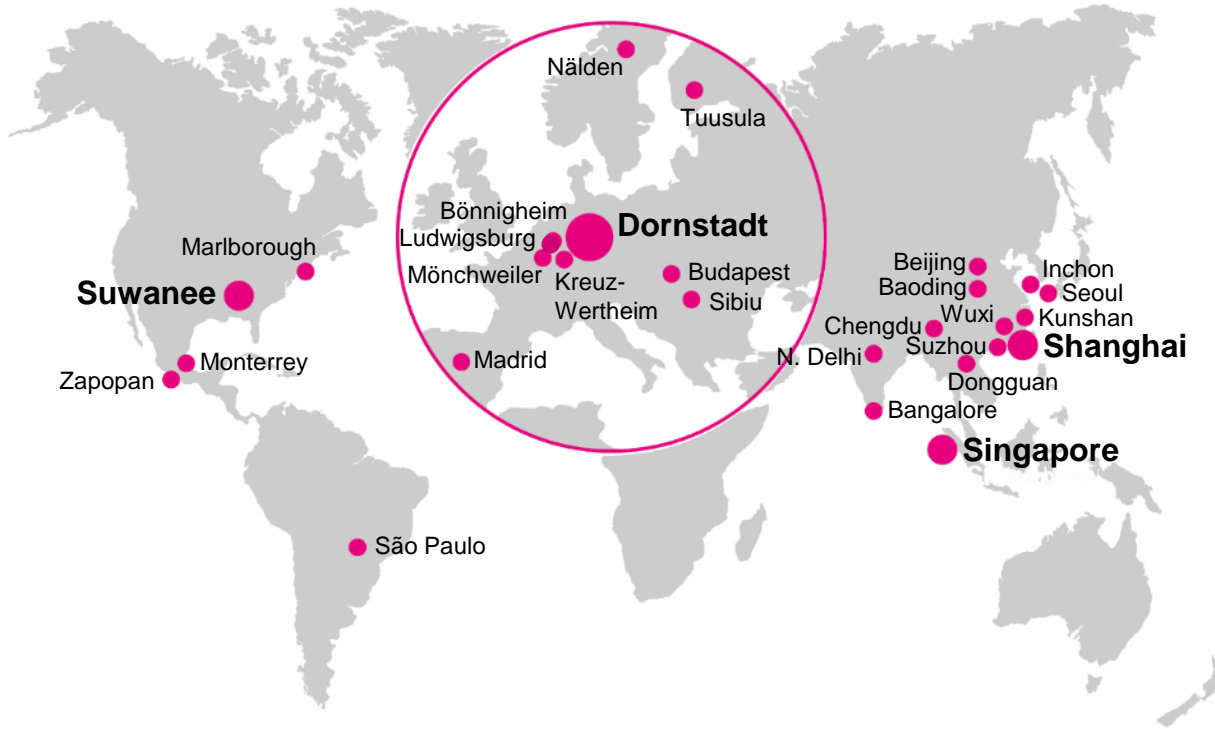
6 | Mönchweiler

Tray- and Transfersystems
ASYS Tecton GmbH — 62

Map locations:
- 2 | PJ Dronten
- 3 | Kreuz-wertheim
- 4 | Bönnigheim
- 5 | Ludwigsburg
- 6 | Mönchweiler
- 1 | Dornstadt

Locations & Employees Worldwide

Suwanee

Dornstadt

Shanghai

Singapore

72
Employees
Asien

33
Employees
Amerika

1,122
Employees
Deutschland

43
Employees
Europa
(excluding Germany)

Worldwide 24/7 Support Network

24/7 Support Network
The ASYS Group provides a global sales and support network with local offices

ASYS Group – Management

Werner Kreibl

CEO & Founder

Jürgen Ries

CEO

Klaus Mang

CEO & Founder

ASYS Milestones

Company foundation
ASYS Automatisierungssysteme GmbH
Dornstadt, Germany

Foundation
ASYS Cleanroom Technology
Dornstadt, Germany

Foundation
ASYS Metall
Dornstadt, Germany

Foundation
ASYS Automation LLC,
Atlanta, USA

Foundation
ASYS Group Asia,
Singapore

Foundation
ASYS Group China,
Shanghai

Foundation
ASYS Group Budapest,
Ungarn

Foundation
ASYS Solar
Dornstadt, Germany

1992 — **1994** — **1996** — **1997** — **1998** — **1999** — **2000** — **2001** — **2002** — **2004**

Building extension
Headquarters in Dornstadt
to 3,000 m²

Building extension
Headquarters in Dornstadt
to 9,840 m²

Dr. Rudolf Eberle Innovation Prize
Innovation award of the state of Baden-Wuerttemberg for the development and application of new technologies

**IF Design Award;
Siemens Productdesign Award**

**BOSCH Supplier Award;
CAM Service Excellence Award;
Frost&Sullivan Market Engineering Award**

**Siemens Partnership Award;
Siplace Partnership Award**

ASYS Milestones

New member of the ASYS Group
EKRA Automatisierungssysteme GmbH
Bönnigheim, Germany

New member of the ASYS Group
BOTEST Systems GmbH
Wertheim, Germany

New member of the ASYS Group
ASYS TECTON GmbH
Mönchweiler, Germany

New member of the ASYS Group
motives software GmbH
Ludwigsburg, Germany

New member of the ASYS Group
Super Dry Totech
PJ Dronten, Netherlands

2005 — **2006** — **2008** — **2009** — **2011** — **2012** — **2015** — **2017** — **2018**

Building extension
Headquarters in Dornstadt
to 18,840 m²

Building extension
Headquarters in Dornstadt
to 27,000 m²

Siemens VDO Performance Award

Circuits Assembly's NPI Award
for „SIMPLEX User Interface"

Productronica Innovation Award
for „PULSE Software Solutions"

# Transforming Ideas – Implement Ideas

ASYS GROUP

Transforming Ideas
Automate, Digitalize & Connect

Our corporate vision is "Transforming Ideas". Because we always start with an idea that we turn into a tangible reality. We include every field of our operations in this process: whether it's products, solutions, research & development or creative processes.

Research

Development

Processes

Products
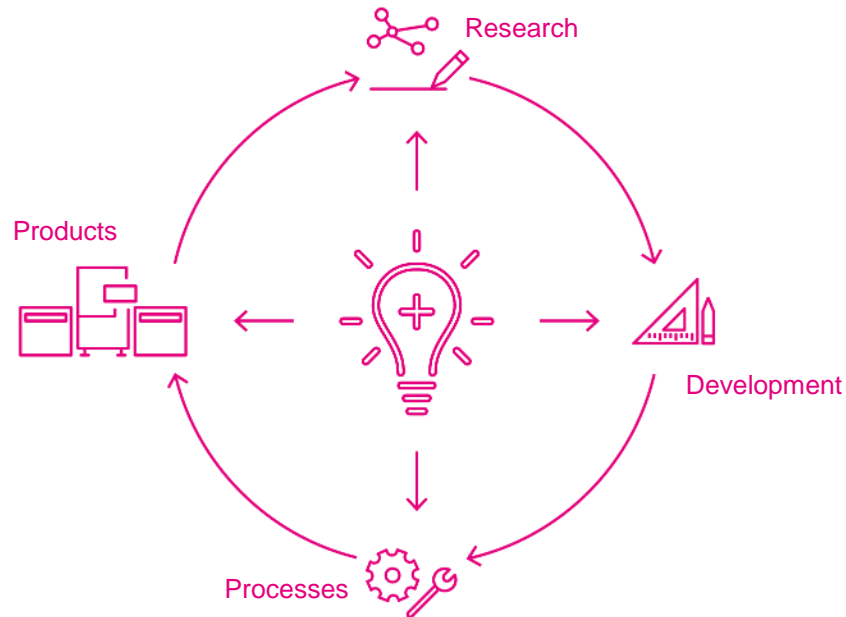
Our Promise – Vision & Mission

Automate

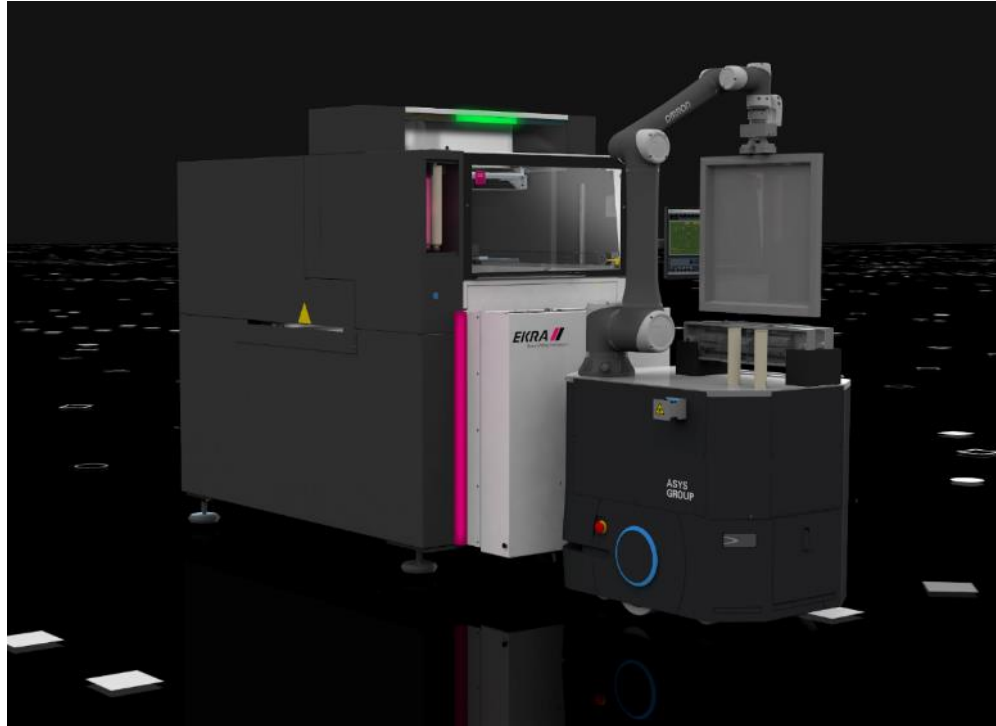... stands for our roots: mechanical engineers and automation specialists.

Digitalize

... is our requirement to manage faster growing complexity.

Connect

... means that we are driving continuous connectivity in all areas.

Automate: The Autonomous Printer

Automate

The SERIO 6000 is the world's first fully automatic printer. The system offers automation in stages - adaptable to the automation level of the existing production.

Digitalize: PULSE PRO Software Suite

Digitalize

PULSE PRO Software Suite is the control center of the Smart Factory and offers solutions on all levels with its numerous apps. This closes the gap between the shop floor and the MES/ERP systems.

Connect: Material Logistics

Connect

We automate your entire shop floor thanks to our unique product portfolio of storage, logistics and transport systems, software solutions and connections.

Business Units

Business Unit
Electronics
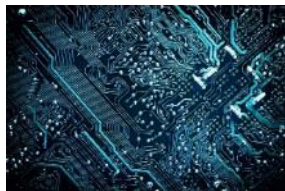

Business Unit
Life Science

Business Unit
Energy

Applications in the Electronics Industry

Automotive

Control Electronics

Electronics Manufacturing Services

Defence & Aerospace

IT & Mobile Communication

Semiconductor

Consumer Electronics

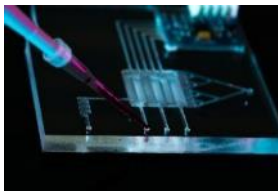# Applications in the Life Science Industry

Medical Electronics

Wound Care

Pharmaceuticals

Cell Therapy

Diagnostics

Imaging Diagnostics

Implants

ASYS Group |

Applications in the Energy Field

Solar

Fuel Cell

Our Solutions for Your Shopfloor

Machine Layer | Software Layer

- Handling
- Marking & Verification
- Printing
- Depaneling
- Final Assembly
- Testing
- Laser Solutions
- Trayloading & Palletizing
- Cleanroom Solutions
- Material Logistics

We cover >75% of the entire Smart Factory with our machines.
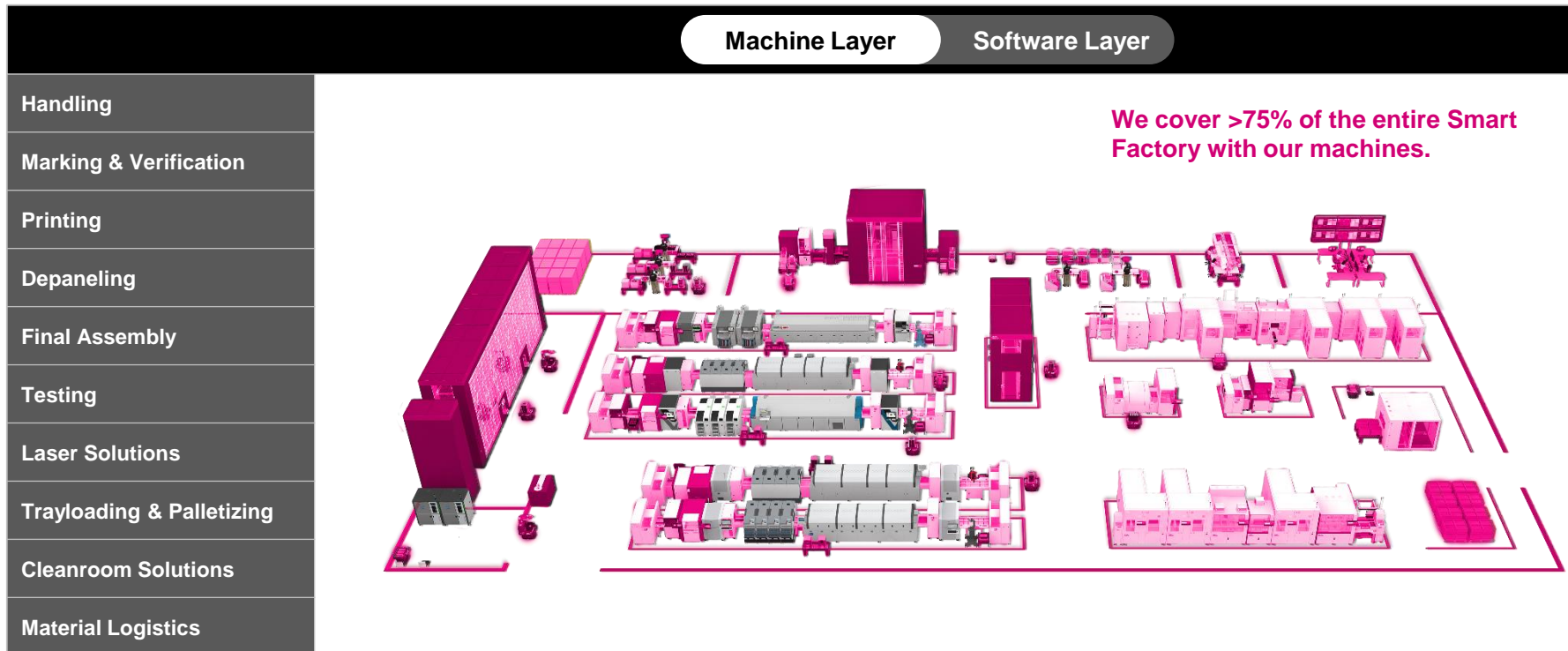
Our Solutions for Your Shopfloor – Handling

Machine Layer	Software Layer

Handling
Marking & Verification
Printing
Depaneling
Final Assembly
Testing
Laser Solutions
Trayloading & Palletizing
Cleanroom Solutions
Material Logistics

Our VEGO series offers highest reliability and maximum flexibility for SMT, THT, hybrid and other products.

Processes
› Loading
› Unloading
› Transporting
› Buffering
› Rotating
› Flipping

Our Solutions for Your Shopfloor – Marking & Verification

Machine Layer | Software Layer

- Handling
- **Marking & Verification**
- Printing
- Depaneling
- Final Assembly
- Testing
- Laser Solutions
- Trayloading & Palletizing
- Cleanroom Solutions
- Material Logistics

The INSIGNUM series offers a comprehensive product portfolio of traceability systems to meet the constantly increasing demands of traceability. High-precision labeling in the smallest space, up to reading multipanels in the shortest time, are part of the tasks of our systems.

Processes
› Lasermarking
› Labeling
› Verification

Our Solutions for Your Shopfloor – Printing

Machine Layer | Software Layer

- Handling
- Marking & Verification
- **Printing**
- Depaneling
- Final Assembly
- Testing
- Laser Solutions
- Trayloading & Palletizing
- Cleanroom Solutions
- Material Logistics

Under the EKRA brand, we offer scalable printing systems for your electronics production. With our stencil and screen printers, you apply solder paste to printed circuit boards with precision and repeatability. From 24/7 to small batch production - we accompany you individually with the printer that suits you.

Processes
› Screen- and stencil printing
› Special and thick film printing
› Consumables and accessories

Our Solutions for Your Shopfloor – Depaneling

Machine Layer | Software Layer

Handling

Marking & Verification

Printing

Depaneling

Final Assembly

Testing

Laser Solutions

Trayloading & Palletizing

Cleanroom Solutions

Material Logistics

Regardless of material, size or outline - our DIVISIO depaneling machines separate your PCB from the panel with a precision of up to 10µm. Whether as stand-alone solution, inline or offline system - we deliver a machine that perfectly suits your requirements and your production.

Processes
› Routing
› Sawing

Our Solutions for Your Shopfloor – Final Assembly

Machine Layer Software Layer

Handling

Marking & Verification

Printing

Depaneling

Final Assembly

Testing

Laser Solutions

Trayloading & Palletizing

Cleanroom Solutions

Material Logistics

We offer first-class engineering in final assembly projects for camera assistance systems or communication units, for example. Modular, standardized assembly platforms enable customized solutions with complex processes.

Processes
› Joining
› Dispensing
› Cleaning
› Marking

Our Solutions for Your Shopfloor – Testing

Machine Layer | Software Layer

- Handling
- Marking & Verification
- Printing
- Depaneling
- Final Assembly
- **Testing**
- Laser Solutions
- Trayloading & Palletizing
- Cleanroom Solutions
- Material Logistics

Originally started with the integration and automation of test adapters for printed circuit boards, we now develop and integrate a wide variety of tests for manufacturing processes, optical inspections, leak tests or functional tests.

Processes
› Electrical Characterization
› Defect Identification
› Lifetime Testing
› Optical Inspection
› Quality Control
› Production

Our Solutions for Your Shopfloor – Laser Solutions

Machine Layer   **Software Layer**

Handling

Marking & Verification

Printing

Depaneling

Final Assembly

Testing

Laser Solutions

Trayloading & Palletizing

Cleanroom Solutions

Material Logistics

The POLYPHOS series offers you solutions for material processing using laser technology. A variety of materials such as ceramics, glass, cSi solar cells, etc. can be processed.

Processes
› Laser depaneling
› Laser marking
› Laser cutting
› Laser welding
› Laser cleaning
› Laser soldering
› Micro machining

Our Solutions for Your Shopfloor – Trayloading & Palletizing

| Machine Layer | Software Layer |

Handling

Marking & Verification

Printing

Depaneling

Final Assembly

Testing

Laser Solutions

Trayloading & Palletizing

Cleanroom Solutions

Material Logistics

TECTON's core competence is product handling with palletizing systems and the reliable connection of assembly processes with linear transfer systems. From the smallest tray to Euro pallets, the solutions cover all areas of application.

Processes
› Tray handling
› Component handling
› Transfer systems

Our Solutions for Your Shopfloor – Cleanroom Solutions

Machine Layer   Software Layer

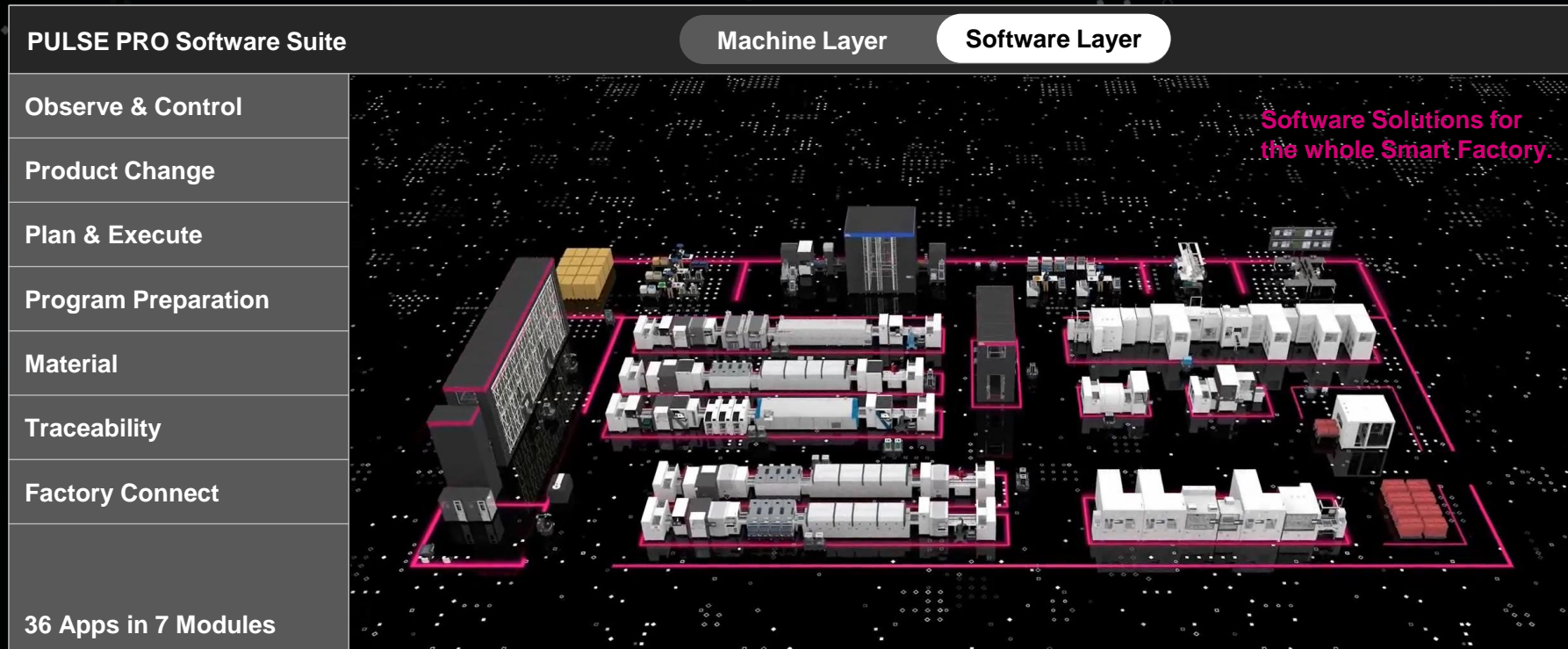| Handling |
| Marking & Verification |
| Printing |
| Depaneling |
| Final Assembly |
| Testing |
| Laser Solutions |
| Trayloading & Palletizing |
| **Cleanroom Solutions** |
| Material Logistics |

Optimized for technical cleanliness: from equipment testing to the realization of defined requirements, the specialists from ASYS Process and Cleanroom Technology accompany customer projects with particle-sensitive products.

Processes
› Cleanroom technology
› Laminar flow systems
› Dry storage
› Storage lift systems
› Climate modules
› Special solutions

Our Solutions for Your Shopfloor – Material Logistics

Machine Layer	Software Layer

Handling	
Marking & Verification	
Printing	
Depaneling	
Final Assembly	
Testing	
Laser Solutions	
Trayloading & Palletizing	
Cleanroom Solutions	
Material Logistics	

To enable access to the Smart Factory, we offer turnkey material logistics solutions for different levels of automation. These solutions can be modular, scalable and individually customized to the respective requirements.

Processes
› Transport
› Storage
› Material Inbound

Smart Factory – ASYS Software Layer

PULSEPRO

PULSE PRO Software Suite	Machine Layer	Software Layer

Software Solutions for the whole Smart Factory.

- Observe & Control
- Product Change
- Plan & Execute
- Program Preparation
- Material
- Traceability
- Factory Connect

36 Apps in 7 Modules

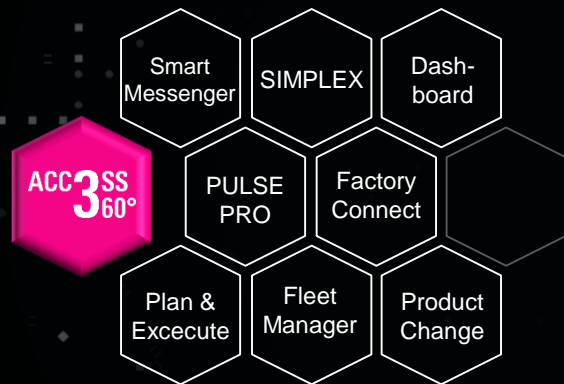ACC**3**SS 60° + **24 7** 365 + CARE **0**

=

ASYS GROUP GENERATION SMART

Together with you, we develop scalable, smart solutions that adapt to your needs.

From automatic product changeover to the "digital twin", all the way to the fully autonomous factory.

ASYS Group Generation Smart Features

Networking

- Smart Messenger
- SIMPLEX
- Dash-board
- PULSE PRO
- Factory Connect
- Plan & Excecute
- Fleet Manager
- Product Change

ACC**3**SS 60°

Access 360°
Connections and information exchange in all directions

Continuous Production

- M-Station
- PARIO 800 + Lift
- iROCS
- AIV
- ASYCAM
- Offline Program-ming
- AES 03 Speed

24 7 365

24 / 7 / 365
Operatorless work around the clock

Intelligence

- Optimap
- iSet
- Bottleneck Manage-ment
- Closed Loop
- Digital Twin
- MCU
- Predictive Main-tenance
- Predictive Set-up Control
- APS

CARE **0**
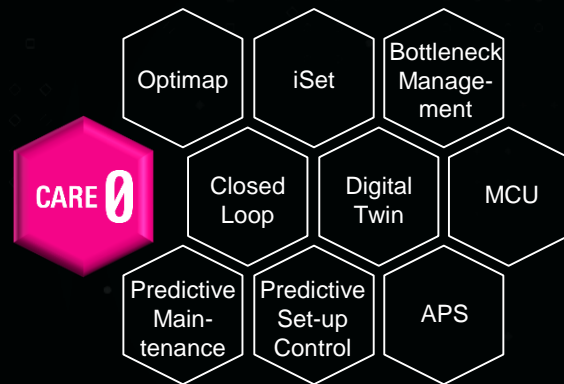
Care Zero
Independent process optimization in the closed-loop principle
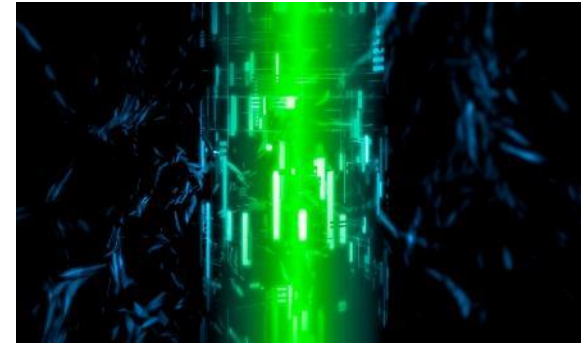
Future Markets

5G Technology

› The new technology generates
significant challenges for the
electronics industry

Autonomous Driving

› Sustainable technologies in the
automotive industry (e.g. camera-
based assistance systems) have to
work reliably without compromise

Battery technology

› Powerful batteries and accumulators
are the technology of the future.
They power cars or serve as
intermediate storage for wind and
solar power

Sustainability & Quality

Focus on the future

› With our technologies we support the solar and e-mobility industry

› We want to implement sustainability in a comprehensive sense

Fields of action for sustainability claims

› Product innovations

› Quality and environment

› Social commitment
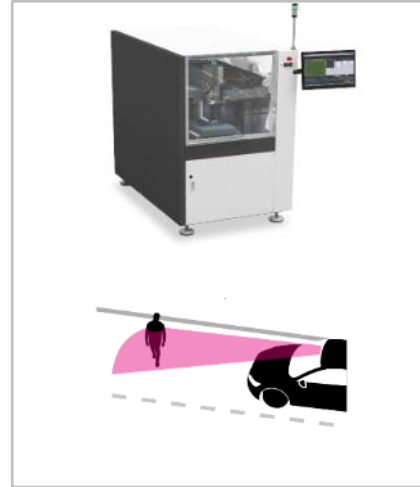
Product Innovations

This is where ASYS is in

EKRA prints PCBs for Smartphones

ASYS separates PCBs for parking sensors

ASYS makes road traffic safer

ASYS enables the traceability of PCBs in car keys

Quality & Environment

Electricity from Solar Energy

Within the ASYS Group, photovoltaic systems are consistently installed on all roofs and fed into the grid. In this way a part of the energy consumed can be recovered.

EnBW Network Energy Efficiency

ASYS is a participant in the EnBW Network Energy Efficiency and regularly informs about current topics at network meetings. Energy saving solutions within the ASYS Group are developed from these meetings.

Social Commitment

Christmas Donations

ASYS donates for Christmas to regional and international organizations

Workshops for Disabled People

ASYS combines social commitment with increased efficiency in assembly. We work together with ADIS, an inclusion company of Lebenshilfe Donau-Iller, which offers employment to people with disabilities.

Contact Person

Do you have any questions?
Find your local contact with our
Contact Finder.

Contact Finder →