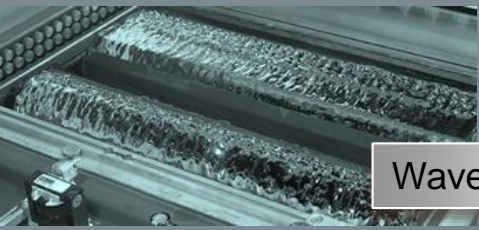




Partner for the Global Electronics Production

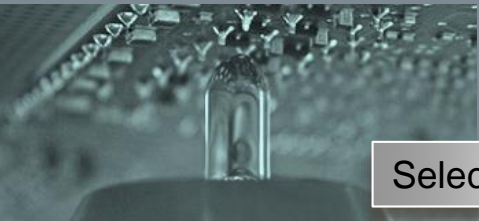
Complete Solutions for Soldering Processes and Automated Production Lines



Wave Soldering



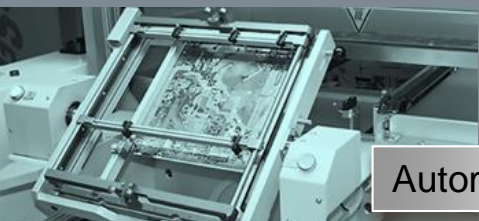
Reflow Soldering



Selective Soldering



THT-AOI



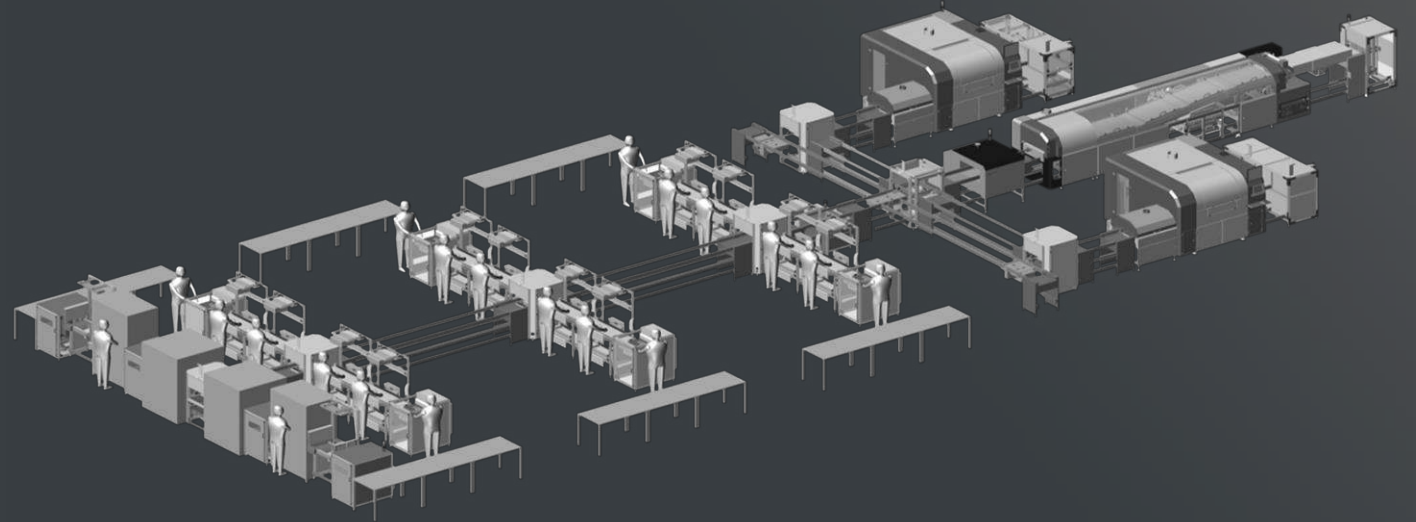
Automation Technology



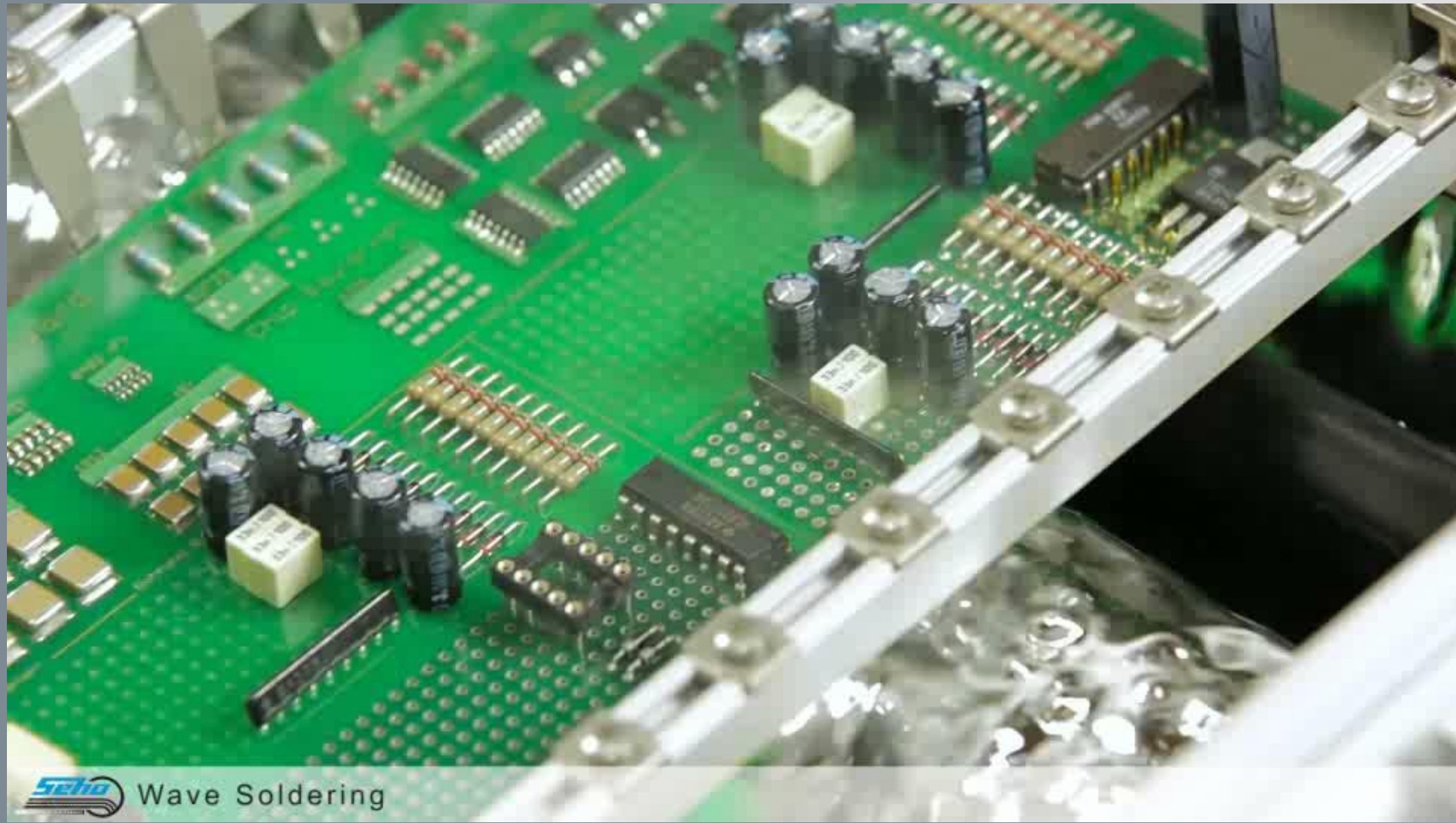
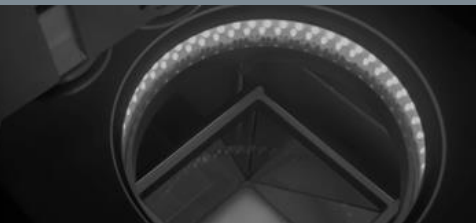
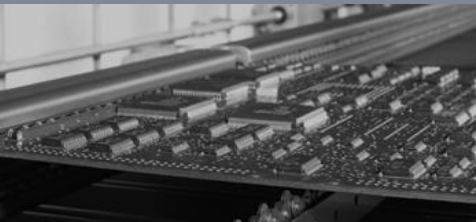
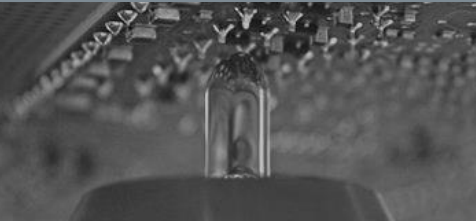
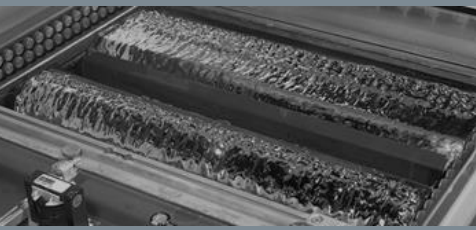
Know How & Service & Training

Complete Solutions

for Soldering Processes and
Automated Production Lines

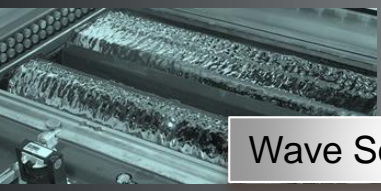


Complete Solutions = More than just Soldering





Complete Solutions



Wave Soldering



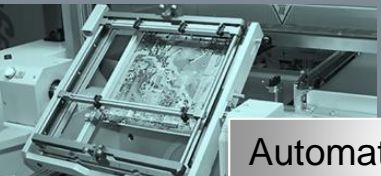
Reflow Soldering



Selective Soldering



THT-AOI



Automation



Know How & Training



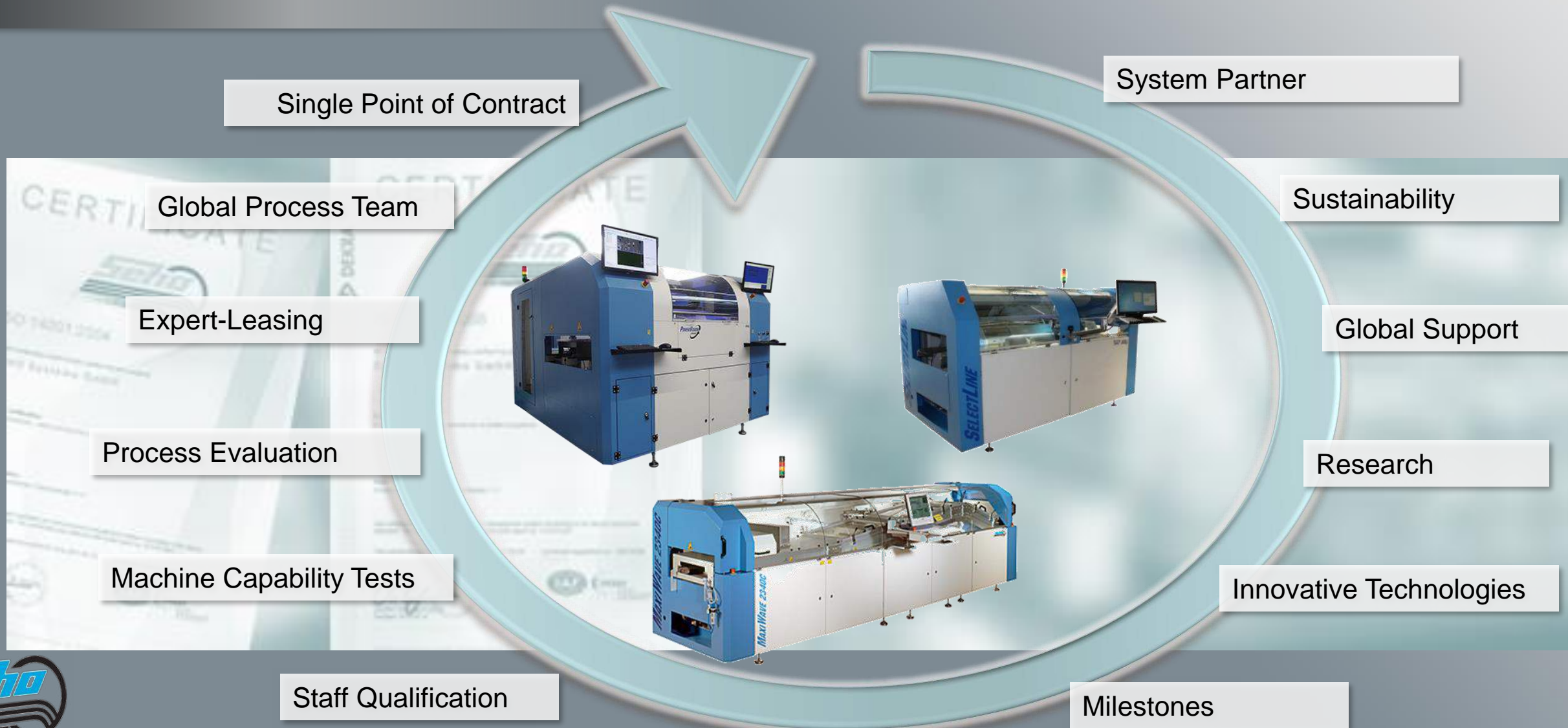
	Wave Soldering	Reflow Soldering Tempering	Selective Soldering	THT-AOI	Handling and Automation Solutions
small production volumes	GoWave	GoReflow 1.8 GoReflow 2.3	StartSelectiv LeanSelect	AssemblyCheck	standard machines and individual systems adapted to your specific production requirements
mid-size production volumes	PowerWave 3.0 PowerWave 4.0 PowerWave N2	GoReflow-plus	SelectLine-C LeanSelect-plus	AssemblyCheck PowerVision	
high production volumes	MWS 2300		SelectLine-C PowerSelective LeanSelect-plus	PowerVision	





Quality 'Made in Germany' – More for You

Simply click on a button to jump to a specific topic.



We Take Responsibility

for a Future Worth Living.

Sustainable environmental protection and resource efficiency are firmly anchored in our corporate philosophy and are among our most important corporate goals.

Some examples that we have already implemented on our way to climate neutrality

- 100 % electricity from renewable sources at our headquarters in Kreuzwertheim, Germany
- replacement of conventional fluorescent tubes with energy-saving LED lighting systems
- 15 % energy savings in 2022
- calculation of the carbon footprint (scope 1, 2 and 3) for selected machines
- continuous energetic optimization of our machines [more on this](#)
- ISO 14001 certification since 2000
- certified participant in the Bavarian Environment and Climate Pact since 2021

SEHO – Dates & Facts



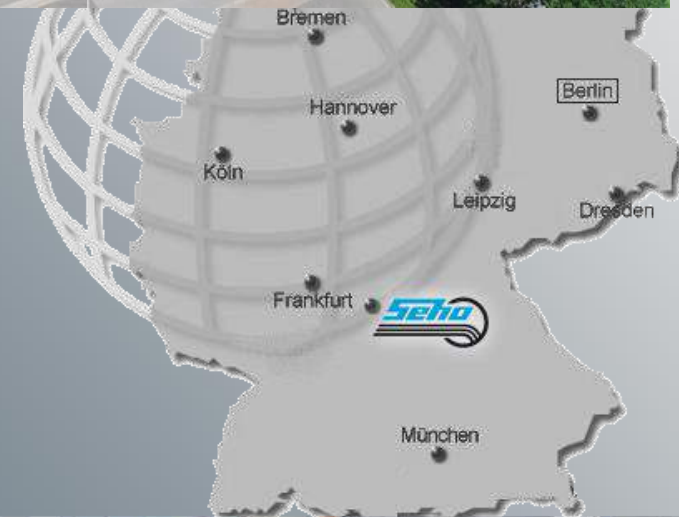
- founded 1976
- privately-owned company to ensure flexibility and creativity for our customers
- based in Germany
- subsidiaries and offices:
 - SEHO North America, Inc.
 - SEHO Office Mexico
 - SEHO Systems China Ltd.
 - SEHO Systems Korea Ltd.
 - SEHO Systems India Pvt. Ltd.
- more than 260 employees globally



Headquarter SEHO Systems GmbH Germany



- quality "Made in Germany"
- 230+ well educated employees
- R & D, manufacturing, service support center





SEHO North America, Inc. USA



- sales, service and training center, experienced technical and process-related advisors
- 15 partners covering the entire US area





SEHO in Mexiko STE-Latinoamerica



STE Latinoamerica

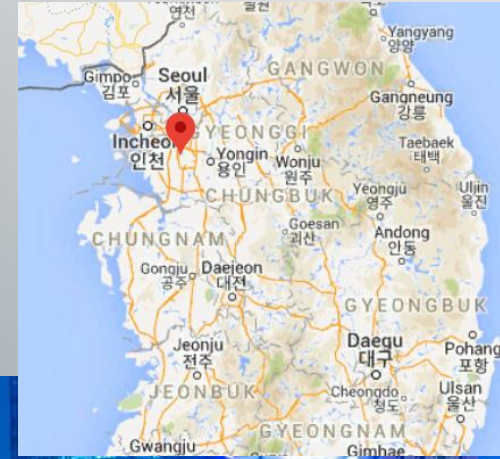
providing sales, service, training and technical advice on SEHO equipment

- experienced sales and service technicians trained in Germany





SEHO Systems Korea Ltd. Seoul



sales, service and training center, and the support of advanced process engineers



SEHO Systems China Ltd. Shanghai

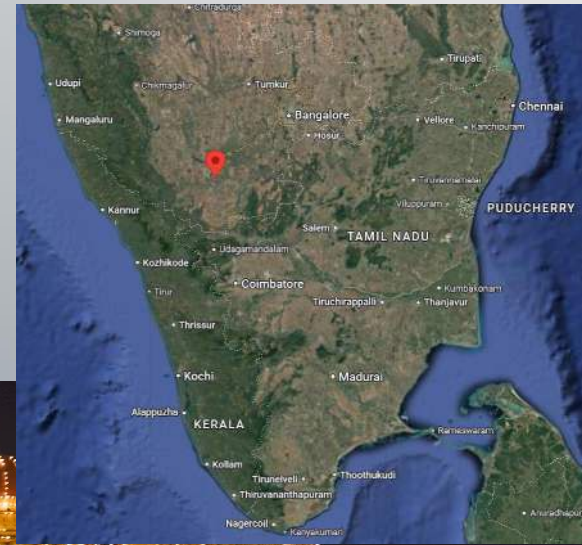


sales, service and training center
process engineers providing
outstanding experience and support



SEHO Systems India Pvt. Ltd.

Mysore

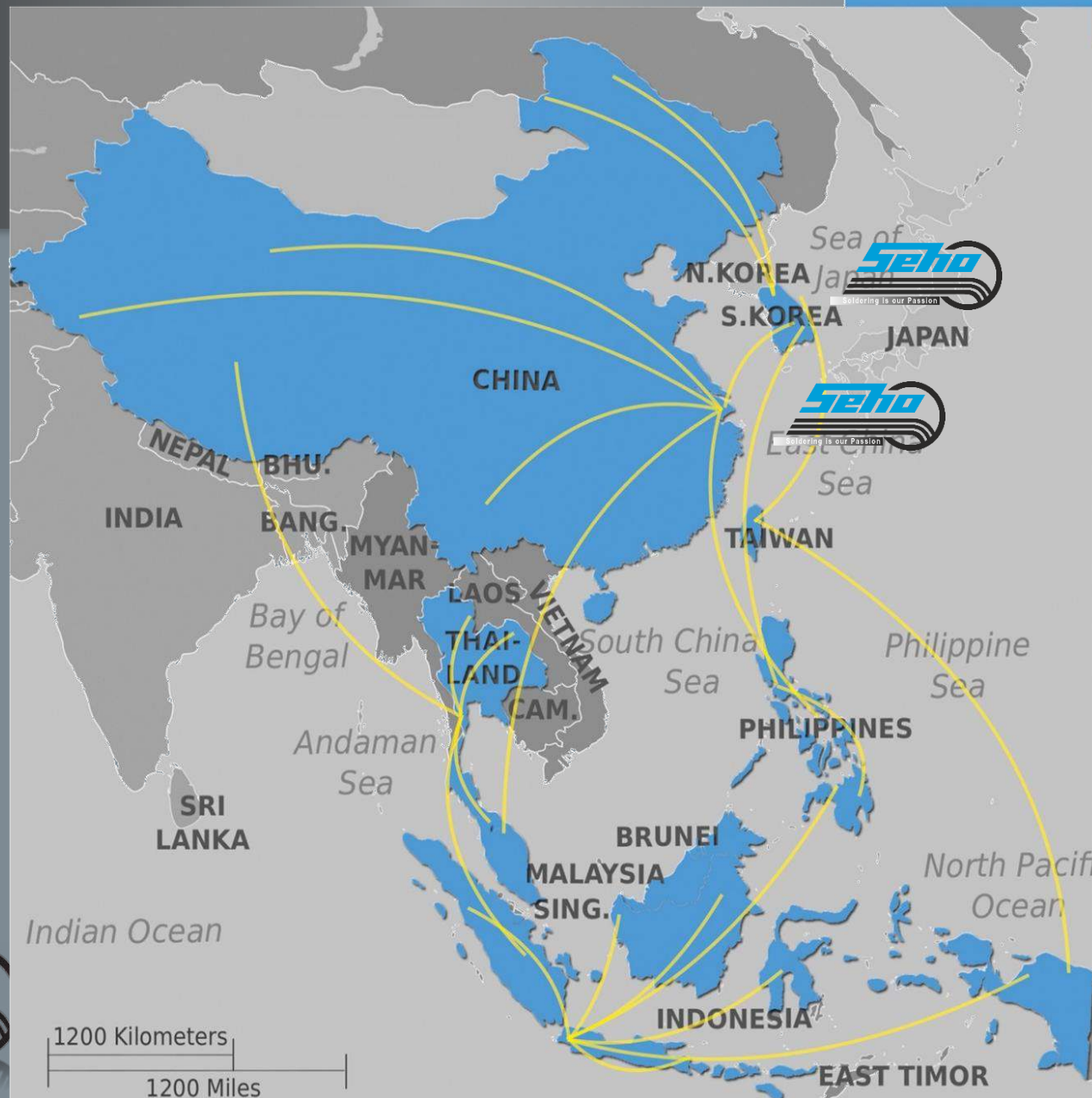


sales and service provided by
well-trained engineers



SEHO in Asia

Using Synergies and Generating Cost Advantages for Our Customers!



- SEHO Systems Korea Ltd.
- SEHO Systems China Ltd.
- SEHO Systems India Pvt. Ltd.
- Winner Trading Korea
- Keitronics Korea
- G'Technologies Philippines
- Le Champ Malaysia
- Le Champ Singapore
- Le Champ Indonesia

Asia Network

A cooperation of certified SEHO experts all around Asia

- very experienced technicians, trained in Germany
- extremely short reaction to your requests





SEHO – Worldwide Available for You

★ subsidiary | spare parts supply location
 ★ training center

- Algeria
- Argentina
- Australia
- Austria
- Belgium
- Brazil
- Bulgaria
- Canada
- China
- Croatia
- Czech Rep.
- Denmark
- Egypt
- Estonia
- Finland
- France
- Greece
- Hungary
- India
- Ireland
- Israel
- Italy
- Korea
- Latvia

- Libya
- Lithuania
- Malaysia
- Marocco
- Mexico
- Netherlands
- New Zealand
- Norway
- Philippines
- Poland
- Romania
- Serbia
- Singapore
- Slovenia
- Slowak Republic
- South Africa
- Spain
- Sweden
- Taiwan
- Tunisia
- Turkey
- Ukraine
- United Kingdom
- USA

SEHO provides well-trained sales and service personnel in each industrialized country worldwide.

Active cooperation with international industry and science partners ensures SEHO's technological head start.





SEHO – Milestones

1976

Foundation of SEHO Seitz & Hohnerlein GmbH. The young company starts in Collenberg with its first KLA wave soldering system.



1985

The production area is expanded to include production building II.



1986

With the market launch of the first nitrogen soldering system, SEHO revolutionized the manufacture of electronic products.



1977

Construction of the main building at the new location in Kreuzwertheim.



SEHO – Milestones

1990

Construction of the R&D building.



1996

SEHO receives ISO 9001 and ISO 14001 certification.



2006

The SEHO MaxiReflow receives a technology award.



1991

Establishment of SEHO USA Inc. which was renamed SEHO North America, Inc. in 2005.



2006

As part of a management buy-out, SEHO is handed over to the previous commercial manager Uwe Adler and the previous technical manager Markus Walter. The company now operates under the name SEHO Systems GmbH.





SEHO – Milestones

2010

Construction of the new logistics center.



2012

SEHO presents the first AOI system that is directly integrated into a soldering system and receives an international technology award for it.



2012

The managing partner Dipl.-Ing. (FH) Markus Walter takes over all company shares and continues the success story of SEHO.



2014

Construction of the new Technology Center.





SEHO – Milestones

2017

SEHO receives an international technology award for integrated additional processes in selective soldering systems.



2018

Foundation of SEHO Systems Korea Ltd., near Seoul, South Korea.



2018

Expansion of the production area by another 1200 m².

2019

SEHO Systems China Ltd. opens in Shanghai.





SEHO – Milestones

2019

SEHO receives the renowned productronica innovation award in the category soldering technology.



2021

Restructuring towards a holding structure and Lena Walter joining the company.



2021

SEHO receives an international technology award for SmartSplit.



2024

Takeover of PreCAM GmbH



2024

Foundation of SEHO Systems India Pvt. Ltd.

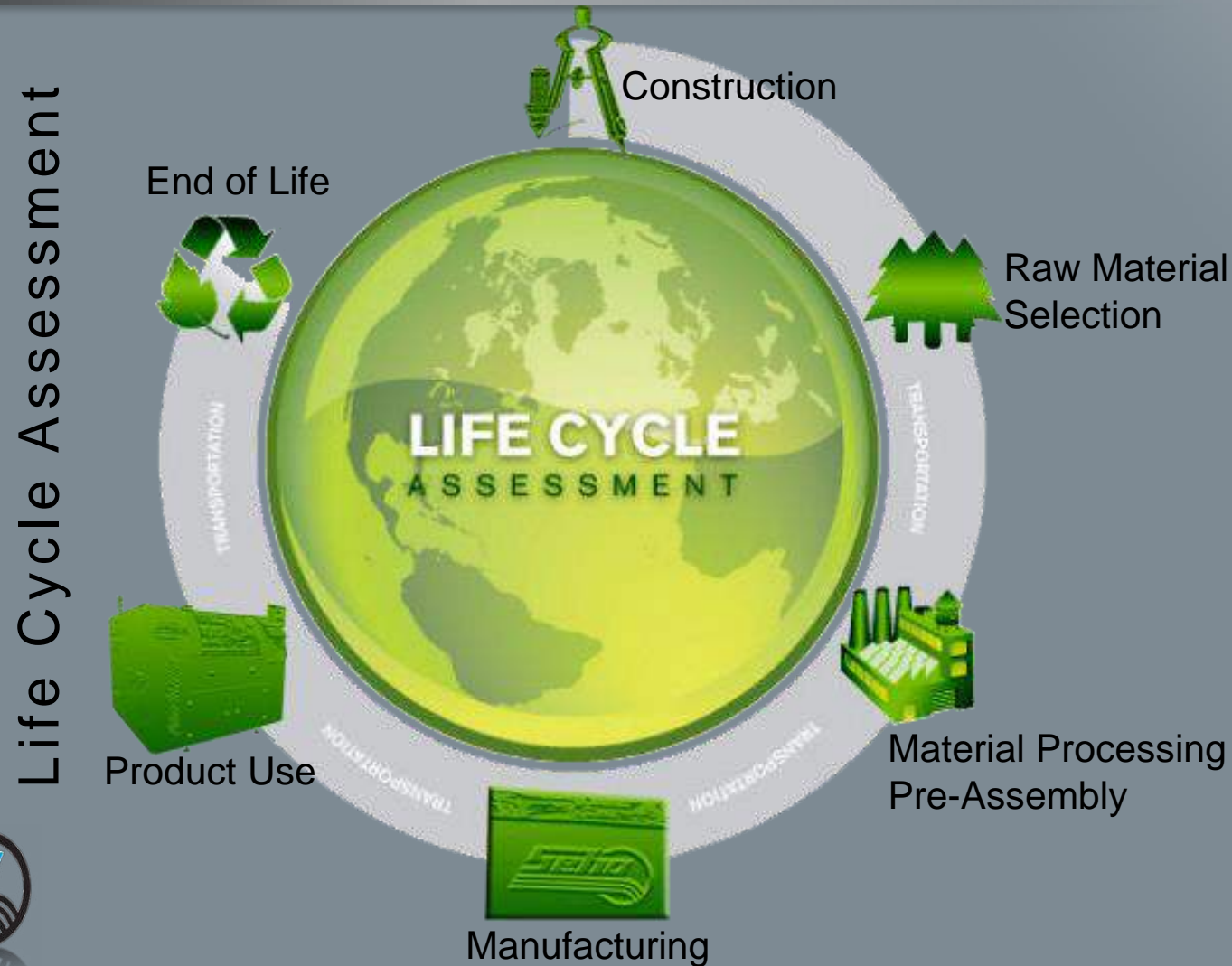




Milestones

High Energy Efficiency – Reducing CO2 Emission

- Wave Soldering Processes
- Reflow Soldering Processes
- Selective Soldering Processes



Construction | Raw Material

- prioritizing sustainable and recyclable materials
- primarily regional suppliers to ensure short transport routes

Machine Engineering

- motors, fans etc. with optimum efficiency
- energy-saving heater technology
- servo drives and smart brushless DC motors
- insulation of machines

Application Engineering

- stand-by operation modes
- eco-mode functions

End of Life

- repair / refurbishment
- recycling (individual cases)

SEHO – Technology Milestones

Soldering in Nitrogen Atmosphere – Originated at SEHO

- less soldering defects, improved production quality and reduced overall costs - first installation in 1989

Lead-Free Technology – Pioneered at SEHO

- first field installation in 2001 already

Leading Wave Soldering Technology

- unique: automatic wave height control and automatic nozzle height adjustment = reliable soldering results

SEHO StreamLine – Handling and Automation Solutions

- Moving, lifting, turning, flipping, stacking, cooling ... of frames/pallets/pcbs, and ergonomic work places

High Mix Selective Soldering on only 5.5 m²

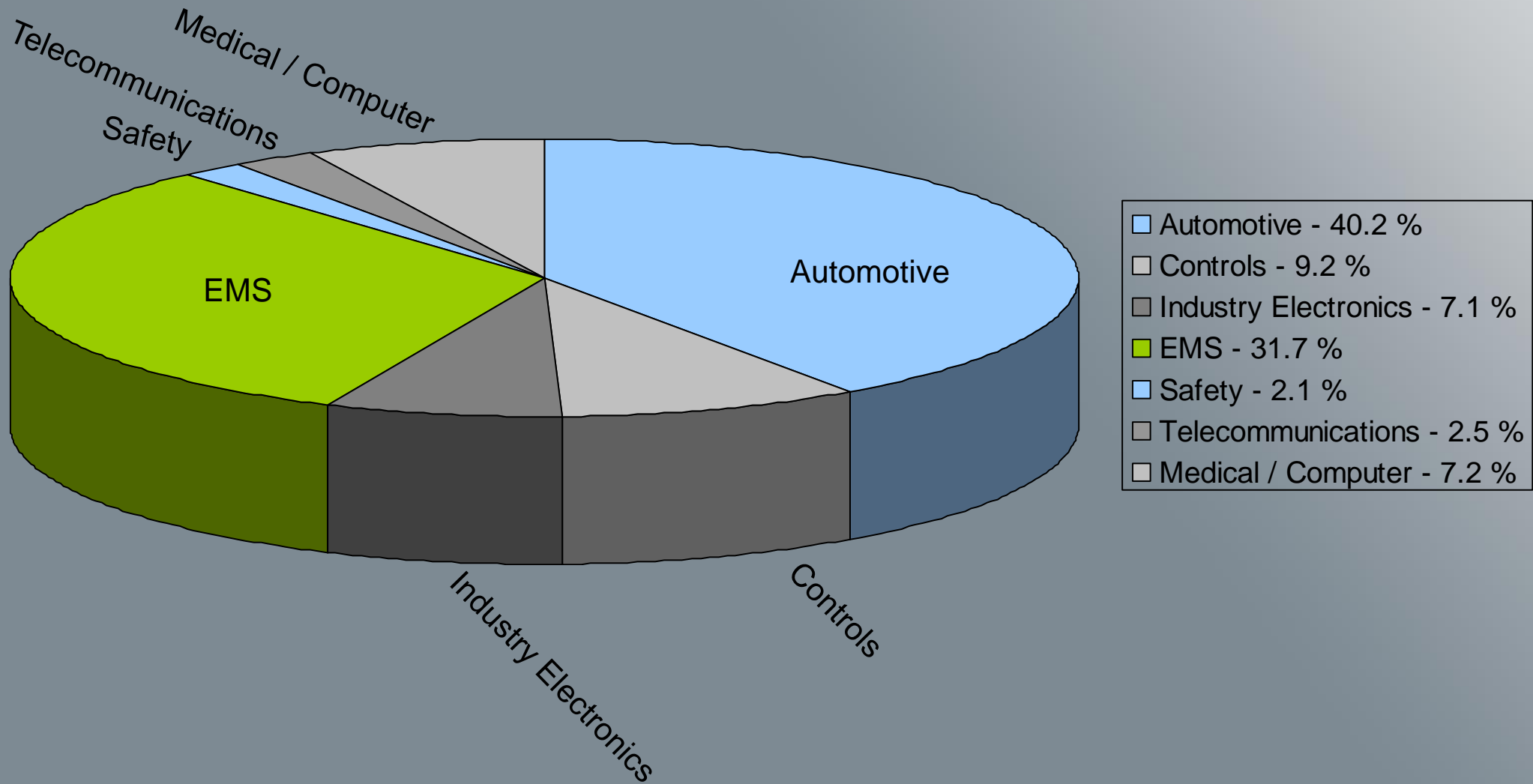
- 3 processes covered with only 1 machine = highest efficiency
- expandable any time or upgradable with additional processes (e.g. AOI or selective brushing process)

Environmentally-Friendly and Economic Solutions

- SynchroMode and SmartSplit in selective processes ensure highest production volumes at minimum invest
- selective fluxing in conventional wave soldering and pulsar heater technology = highest efficiency



These industries already profit from our Experience



SEHO – Technological Competence

Research Creates Solutions for the Future

PhotoAVT

CoIEP

SAM-KI

ModFlow

KIOekoSys



- SEHO is actively involved in various research projects together with universities, industry partners and governmental institutions
- approx. 7% of the annual turnover is constantly invested in R&D – well above the industry average



Complete Solutions for Soldering Processes
and Automated Production Lines

Experience – Flexibility – Innovative Strength



We stand for 'Quality Made in Germany'