



Your Preferred supplier in the magnetic components industry

Table of Contents

01

Company
Overview



02

R&D
Strength



03

Quality
Control



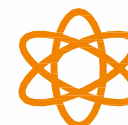
04

Production
Strength



05

Strategic
Deployment



06

Why PCT



01

COMPANY OVERVIEW

Focus on the R&D and manufacturing of magnetic components



VISION

Be the preferred supplier in the magnetic components industry



MISSION

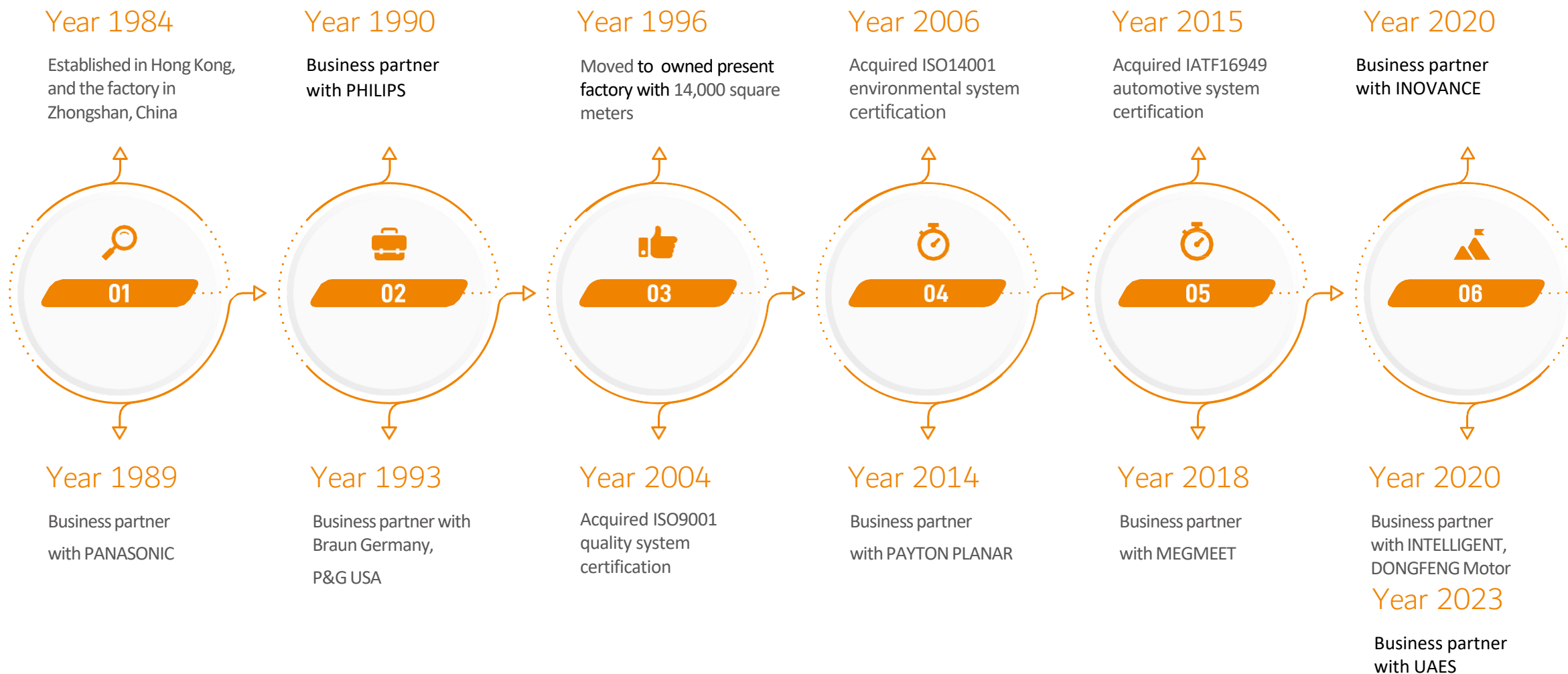
Provide customers with one-stop high-quality solutions



CORPORATE VALUES

Integrity, efficiency, respect and innovation

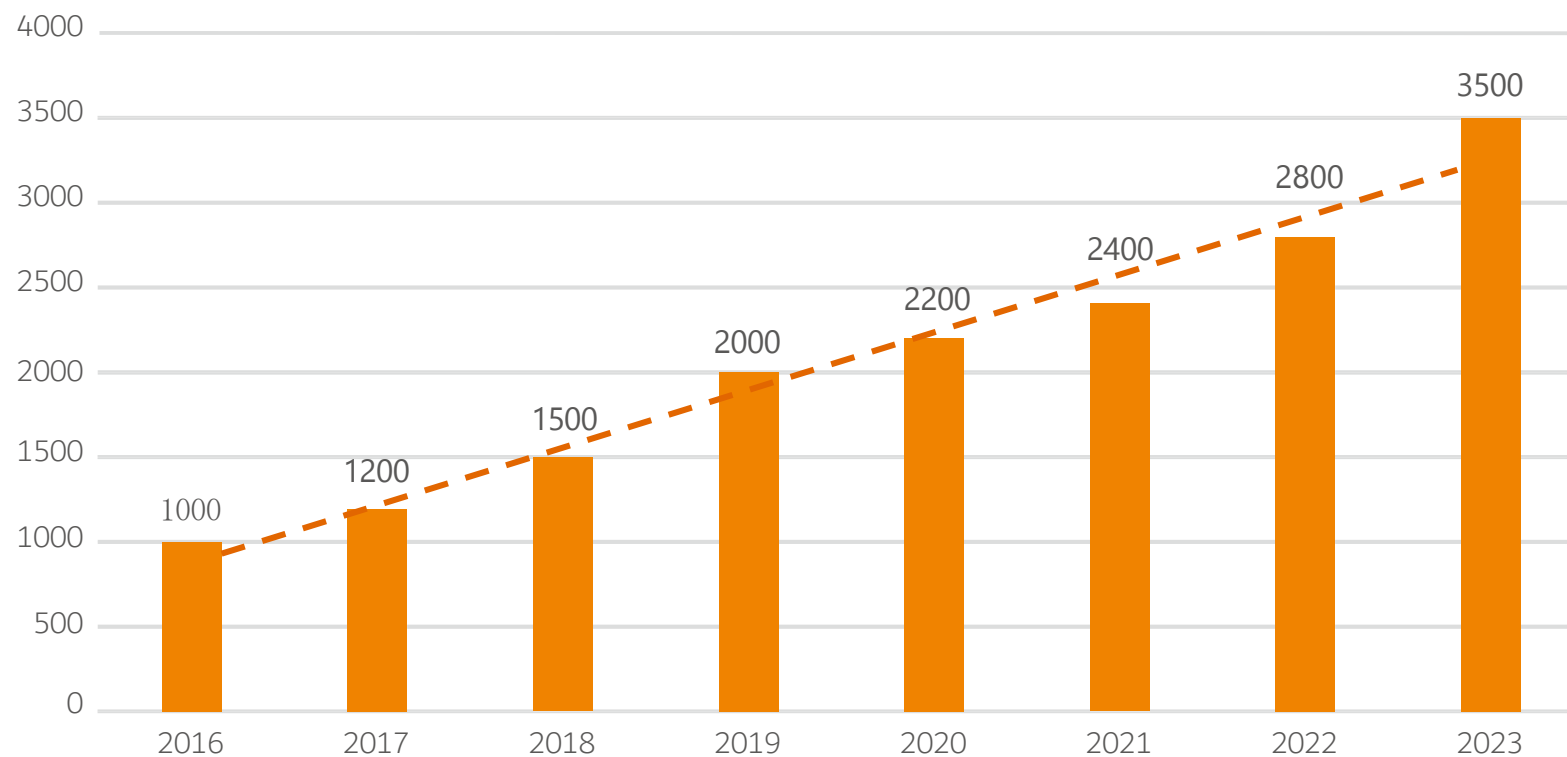
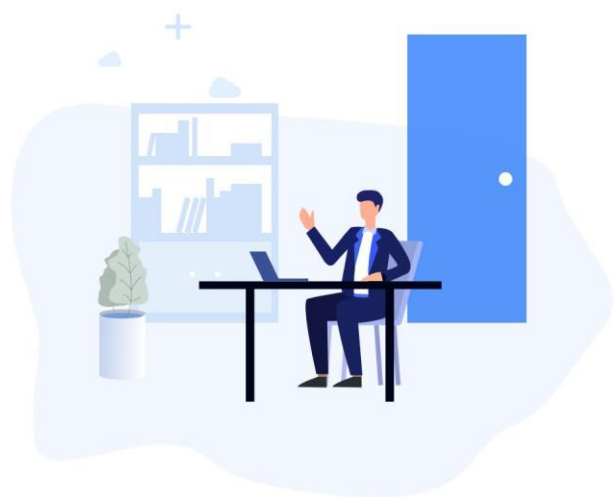
Milestone



Annual Turnover

PCT turnover for
recent 7 years

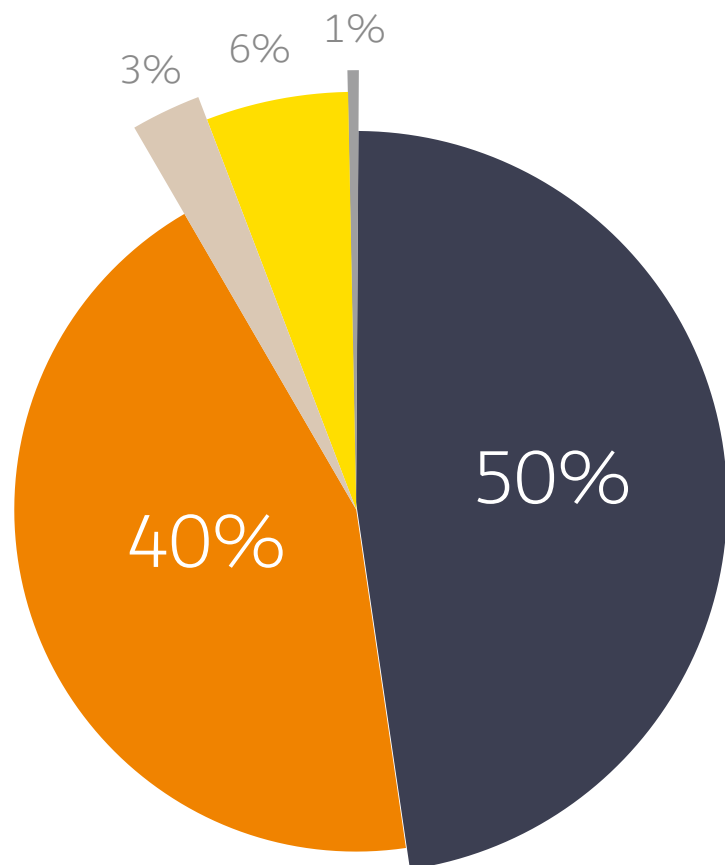
(unit: 10K USD)



Key and End Customers

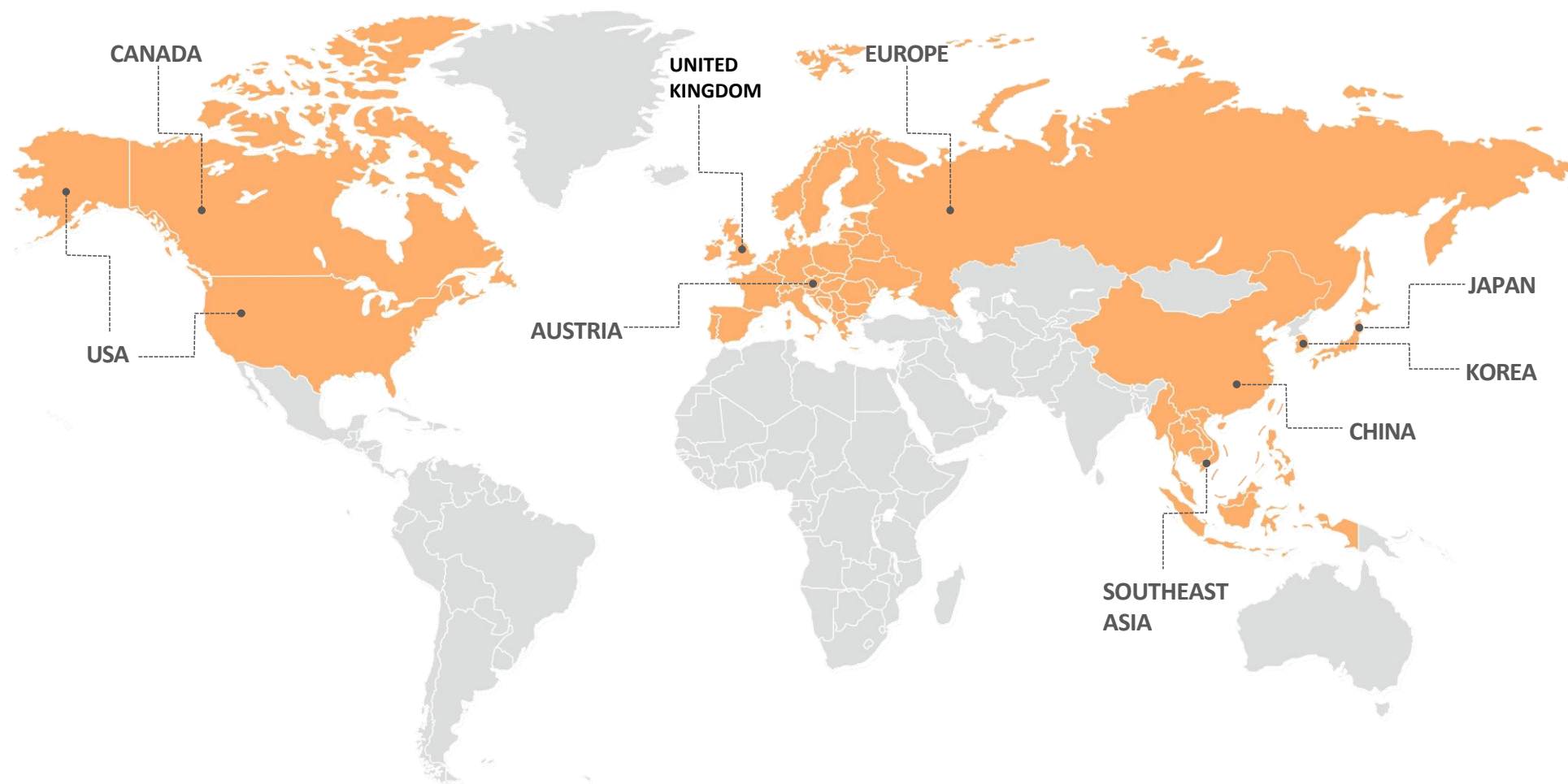


Product Range Sales Ratio



- Planar transformer 50%
- HF transformer 40%
- Inductor & coil 3%
- LF transformer 6%
- Others 1%

Global Sales



Key Vendors List

Focus on the supply chain management ,
established well supply chain system to ensure on time
delivery and stability of product quality

Core: Ferroxcube, DMEGC, TDG, Jianuo, Poco, Keda, etc.

Wire: Elektrisola, Fuji Fine, Wellascent, E&B, Furukawa, etc.

Insulation Materials: DuPont, Yahua, Changyuan, Vonroll,
Hengchang, etc.

Multi-layer circuit boards: MFS, Kinwong, etc.

Adhesive: Henkel-Loctite, 3M, Huitian, etc.

Adopt ERP, OA for intelligent order processing

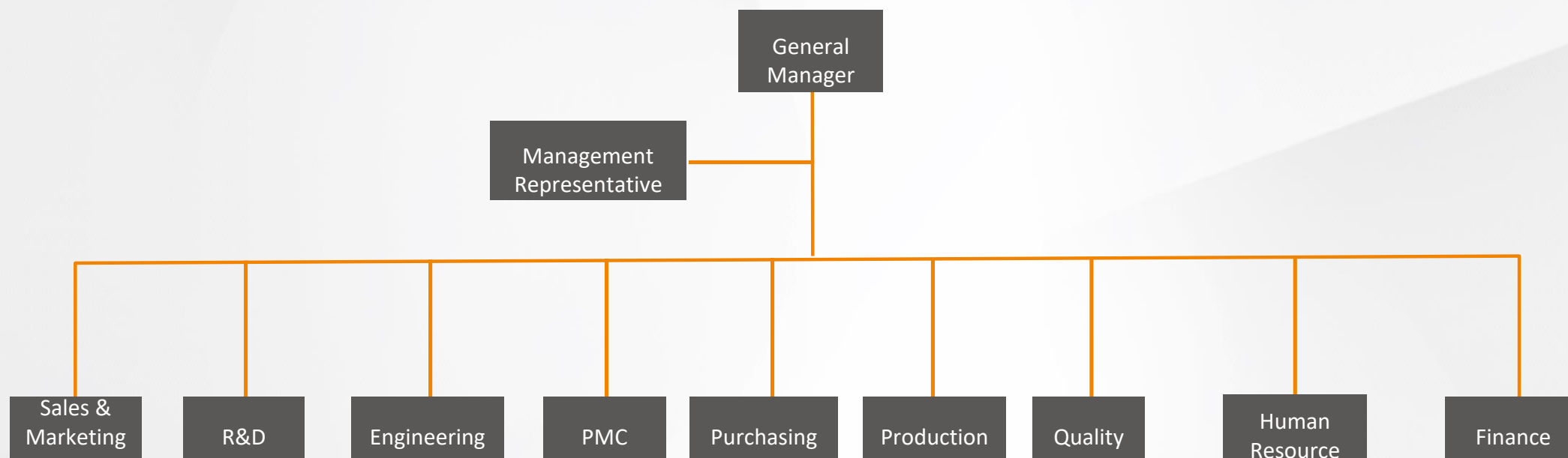
Implement MES Intelligent system

Implement WMS warehousing control

146 Approved suppliers
All over the world



Organization Chart



02

R&D STRENGTH

Focus on the R&D and manufacturing of magnetic components

Outstanding R&D



17 R&D engineers:
 --1 Master
 --7 Bachelors
 --9 College Diploma holders
 (including 5 experienced engineers)



With special patent
 for high insulation

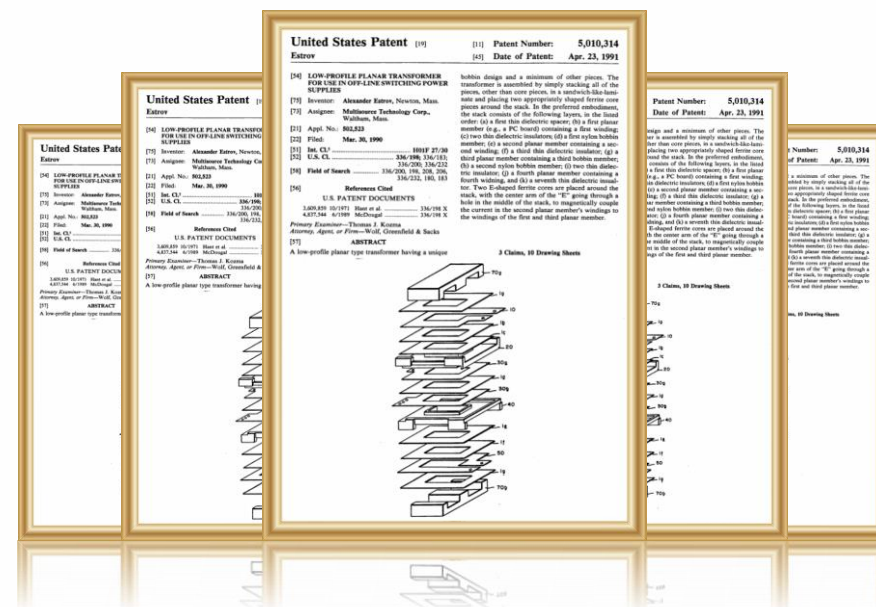
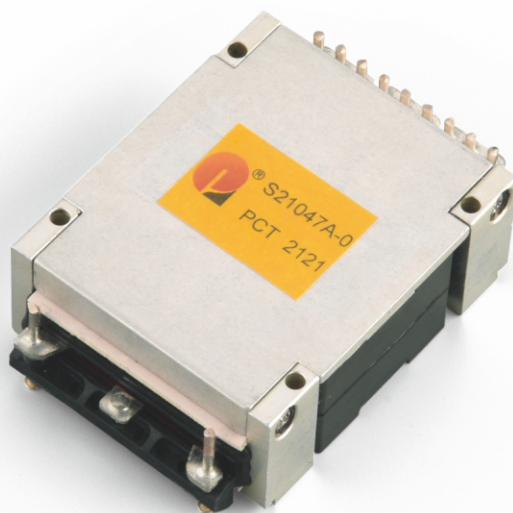


Co-operation with the top 3
 planar transformer makers in
 the world : Payton Planar



Investment in R&D
 in Year 2023
 more than 4% of the
 Turnover

Patented Technology on High Insulation Series



Patent Certificate

10⁺

Patents granted

88⁺

Patents under application:
inventions and utility models



Planar Transformer



Magnetic integration
3-in-1



Switch-mode power
transformer



Magnetic integration
2-in-1



Automotive DC/DC
transformer



LLC transformer

High Frequency Transformer



Charging transformer



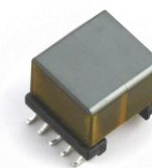
Switching power
transformer



High-frequency
isolation transformer



Photovoltaic transformer



POE power transformer

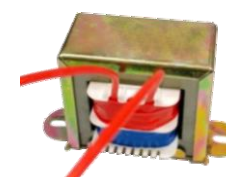
Low Frequency Transformer



Toroidal



CD type power
transformer



EI type power
transformer



Machine tool control
transformer



Air conditioning
transformer

Inductor



AV power amplifier
transformer



Three-phase differential
mode inductor



PFC inductor



SMD inductor



EMC Filter inductor

Air coil



Air coil



Taped wire coil



Flat wire
coil



Vertical flat wire
coil



Dual flat coil

1.1 Main Products

Automotive:

Charger 3.3KW ~ 22KW

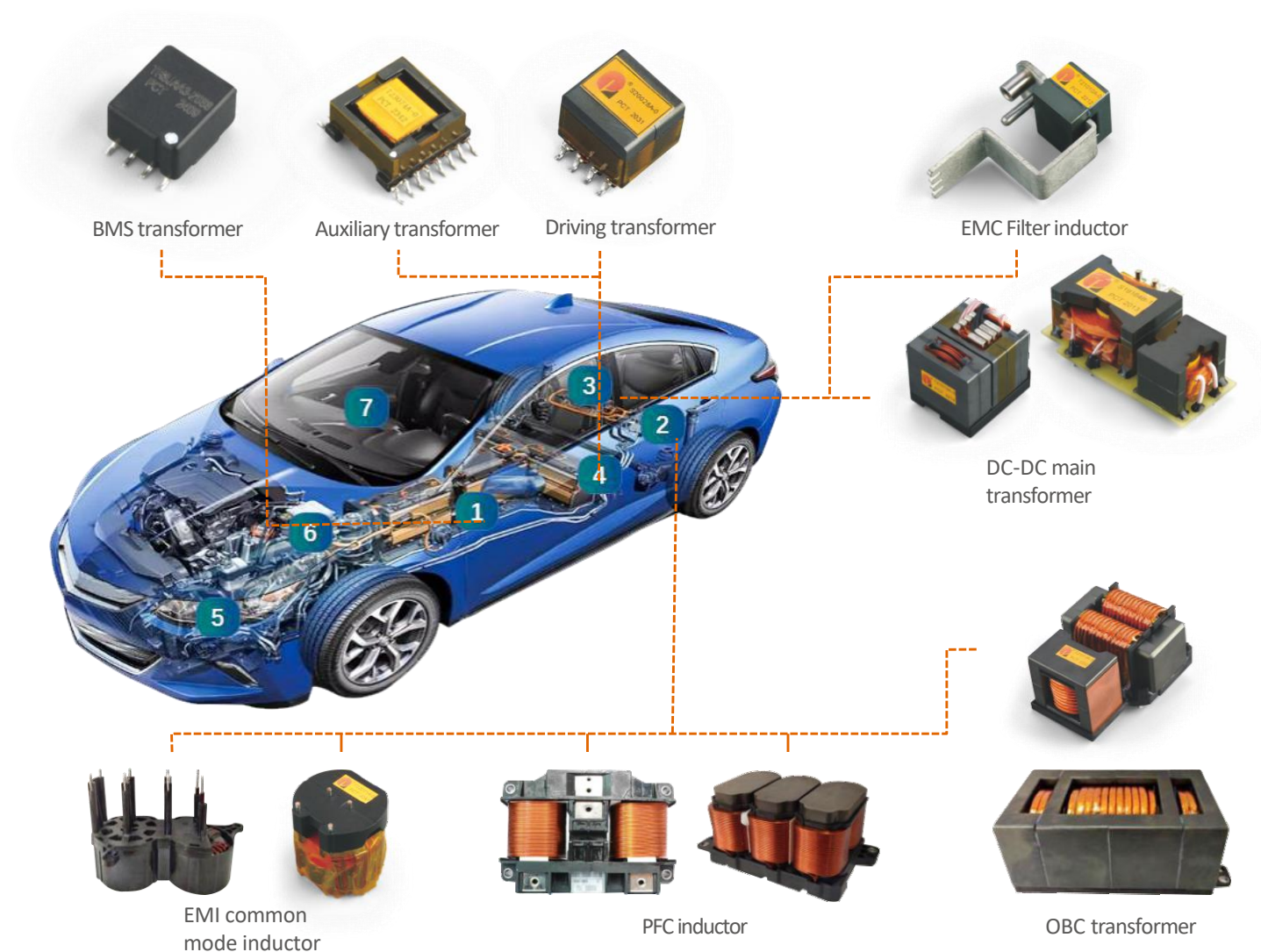
Electric control 30KW ~ 110KW

Main advantage:

Efficiency over 98% ,

Products conform to

AEC-Q200 standard



1.2 Main Products

New energy:
photovoltaic &
energy storage

0.5KW ~ 500KW

Main advantage:

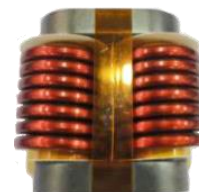
Efficiency over 95% ,

Product conforms to

GB2423 standard



Three-phase
common mode
inductor



Single-phase
common mode
inductor



PFC inductor



Differential mode
inductor



Output energy
storage inductor



Main transformer



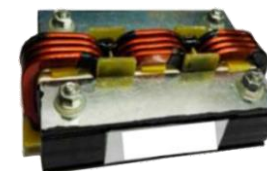
Differential mode
Filter inductor



Potting inductor



Potting inverter



Three-phase
Filter inductor

1.3 Main Products

Industrial

1W ~ 100KW



Main power transformer



Main transformer



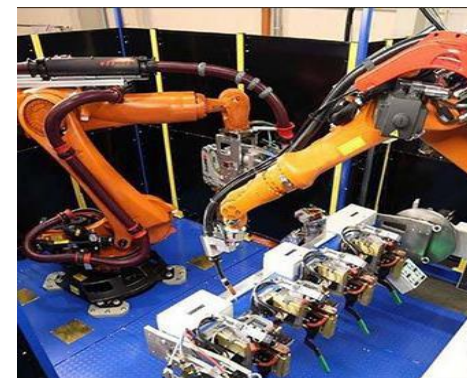
LLC Main transformer



Planar transformer



Drive transformer



POE transformer



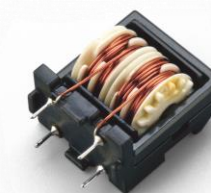
Current transformer



SMD common mode inductor



Router transformer



Common mode inductor

Main advantage:

Efficiency over 95% ,

Product conforms to

GB2423 standard

1.4 Main Products

Consumer

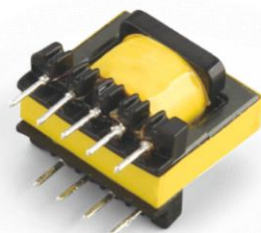
1W ~ 100KW

Main advantage:

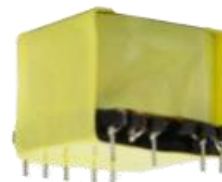
Efficiency over 95% ,

Product conforms to

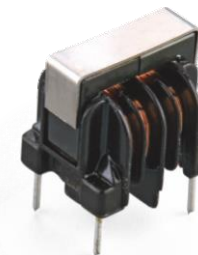
GB2423 standard



Appliance
transformer



LED
transformer



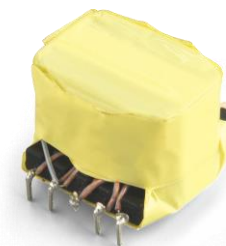
Common mode
Filter inductor



PC power,
PFC inductor



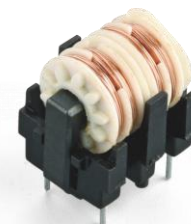
Charger
transformer



Adapter
transformer



Router
transformer



Common mode
inductor

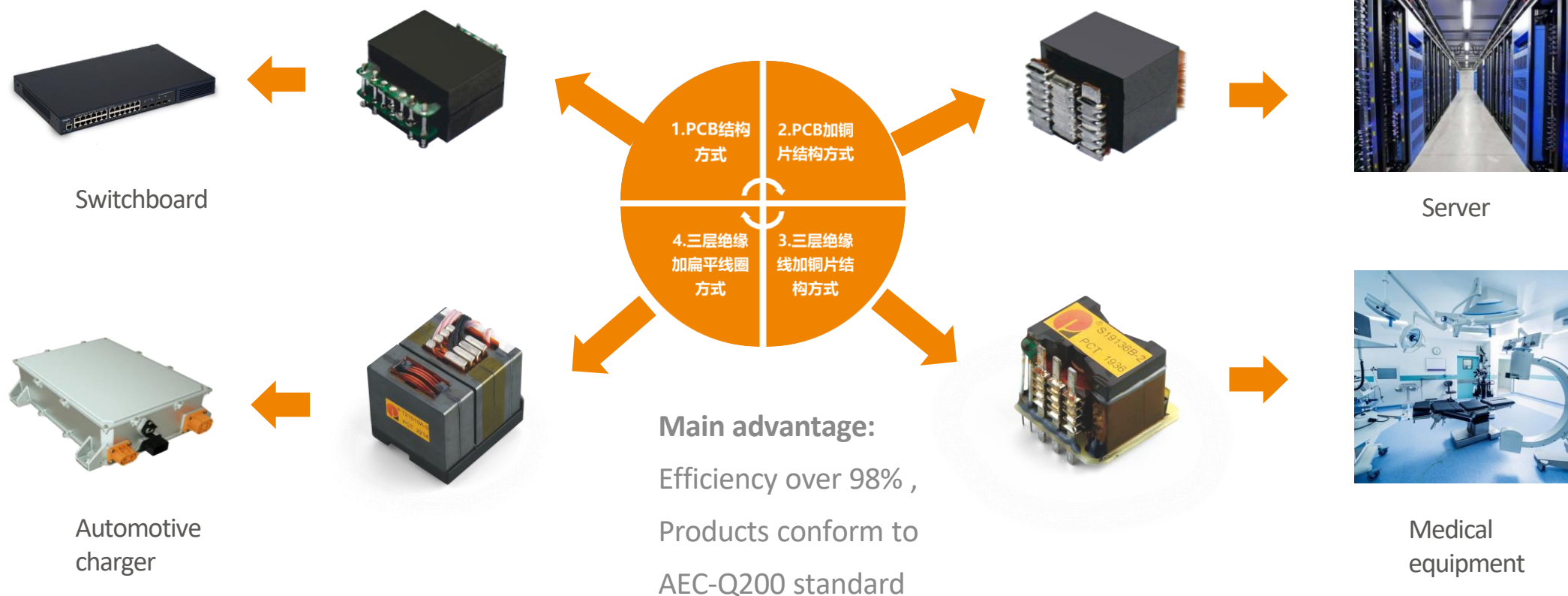


Drive
transformer



Common mode
inductor

2.1 Main Product Application



2.2 Main Product Application

Rechargeable Pack

15KW~360KW

Main advantage:

Efficiency over 98% ,

Product conforms to

GB2423 standard



Main transformer
3 in 1



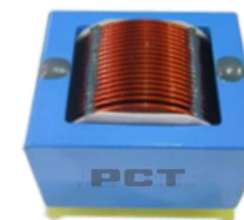
Main transformer
2 in 1



Split-type Main
transformer



Common mode
inductor



PFC
inductor



Drive
transformer



Current
transformer



Resonant
inductor



Auxiliary
transformer

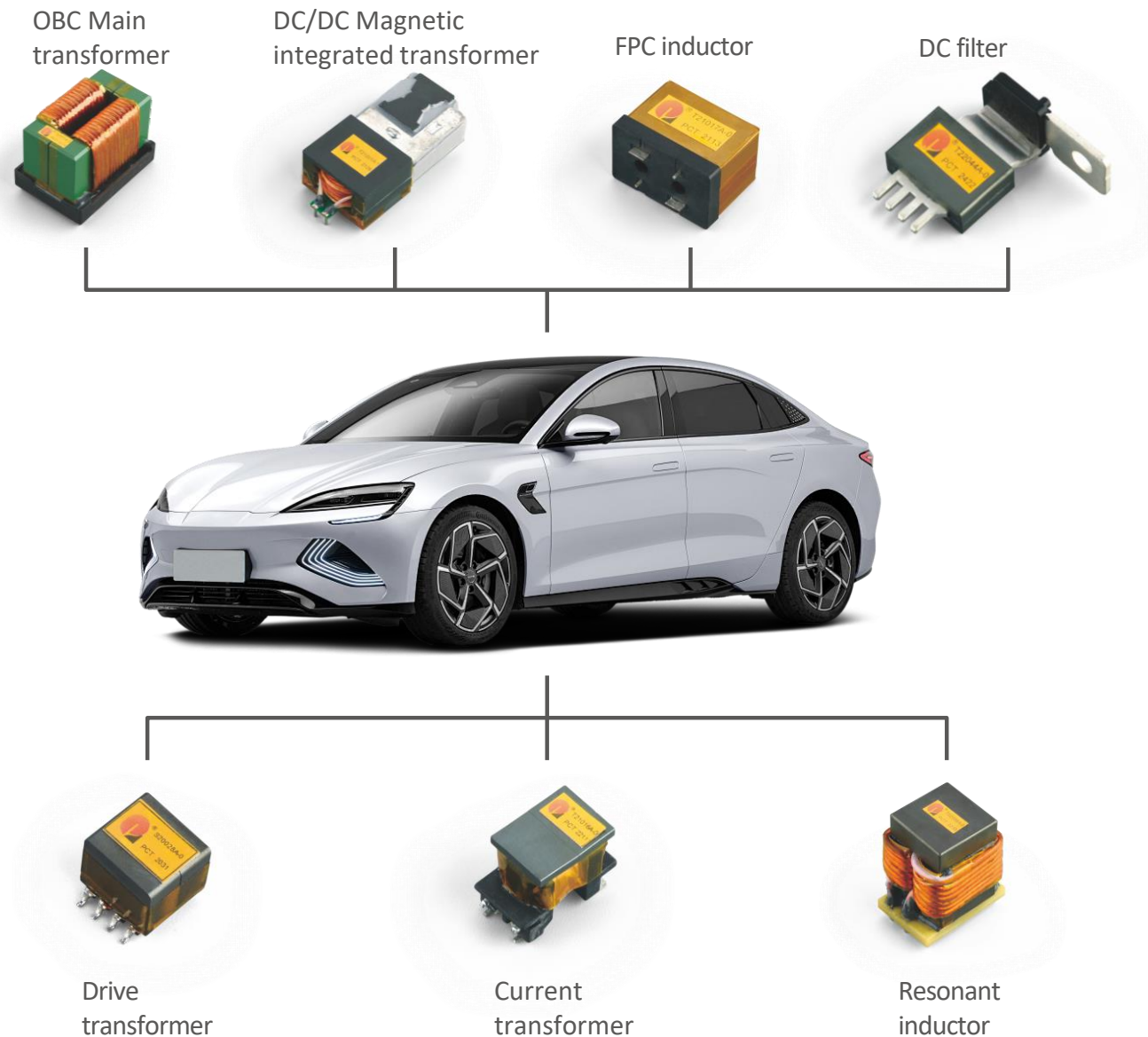
2.3 Main Product Application

OBC Automotive Charger

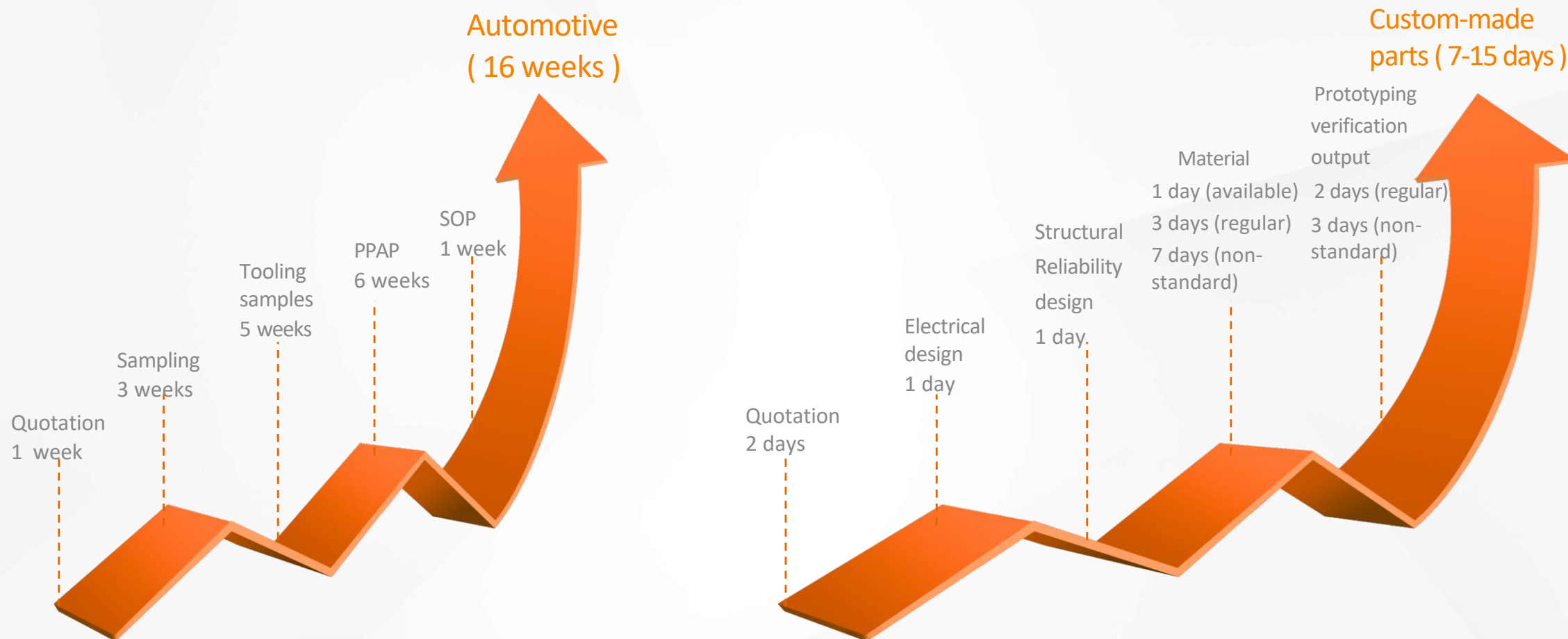
3.3KW ~ 22KW

Main advantage:

Efficiency over 98% ,
Products conform to
AEC-Q200 standard



New Product Development Cycle



03

QUALITY CONTROL

Focus on the R&D and manufacturing of magnetic components

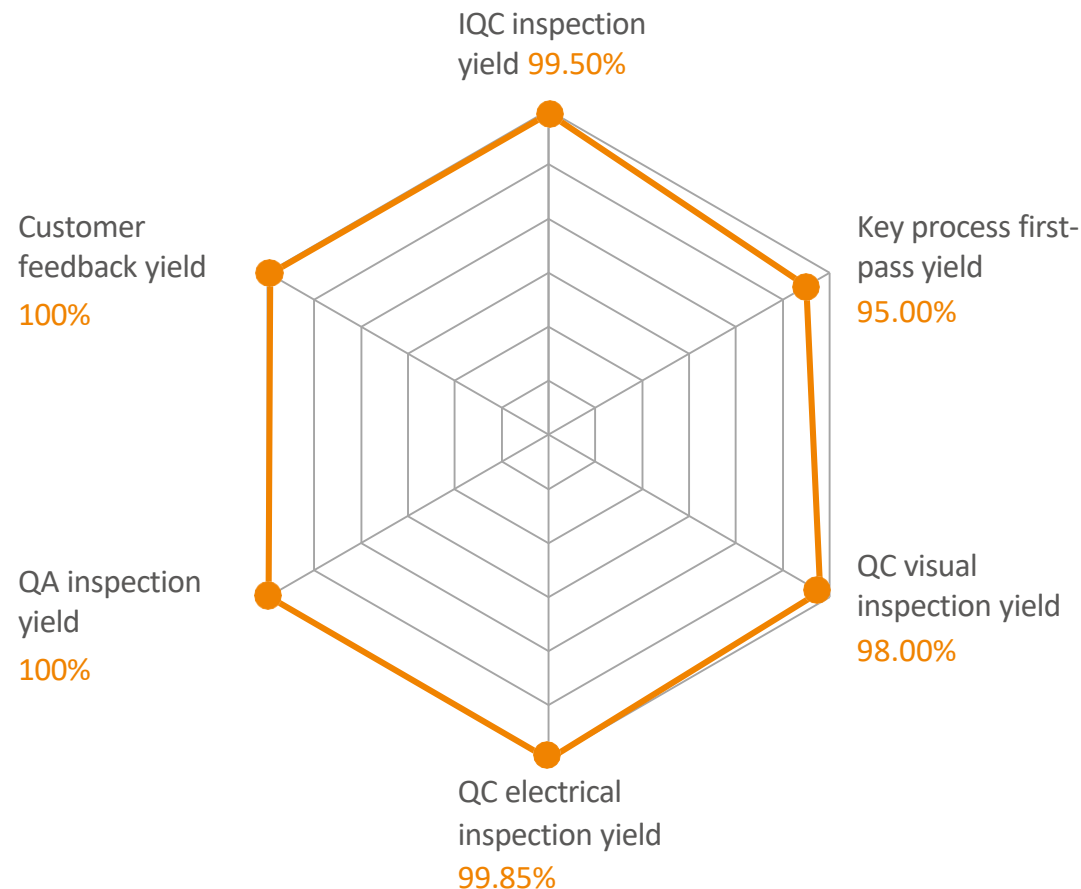
PCT Quality Policy

- **Total** Internal and External Customer Satisfaction

Quality products shipped &
Quality services provided
on time all the time

- All Employees Involvement,
Continuous Improvement

Quality KPI





Certifications and medals acquisition

Safety Standard: UL insulation system

Class B 130°

Class F 150°

Class H 180°

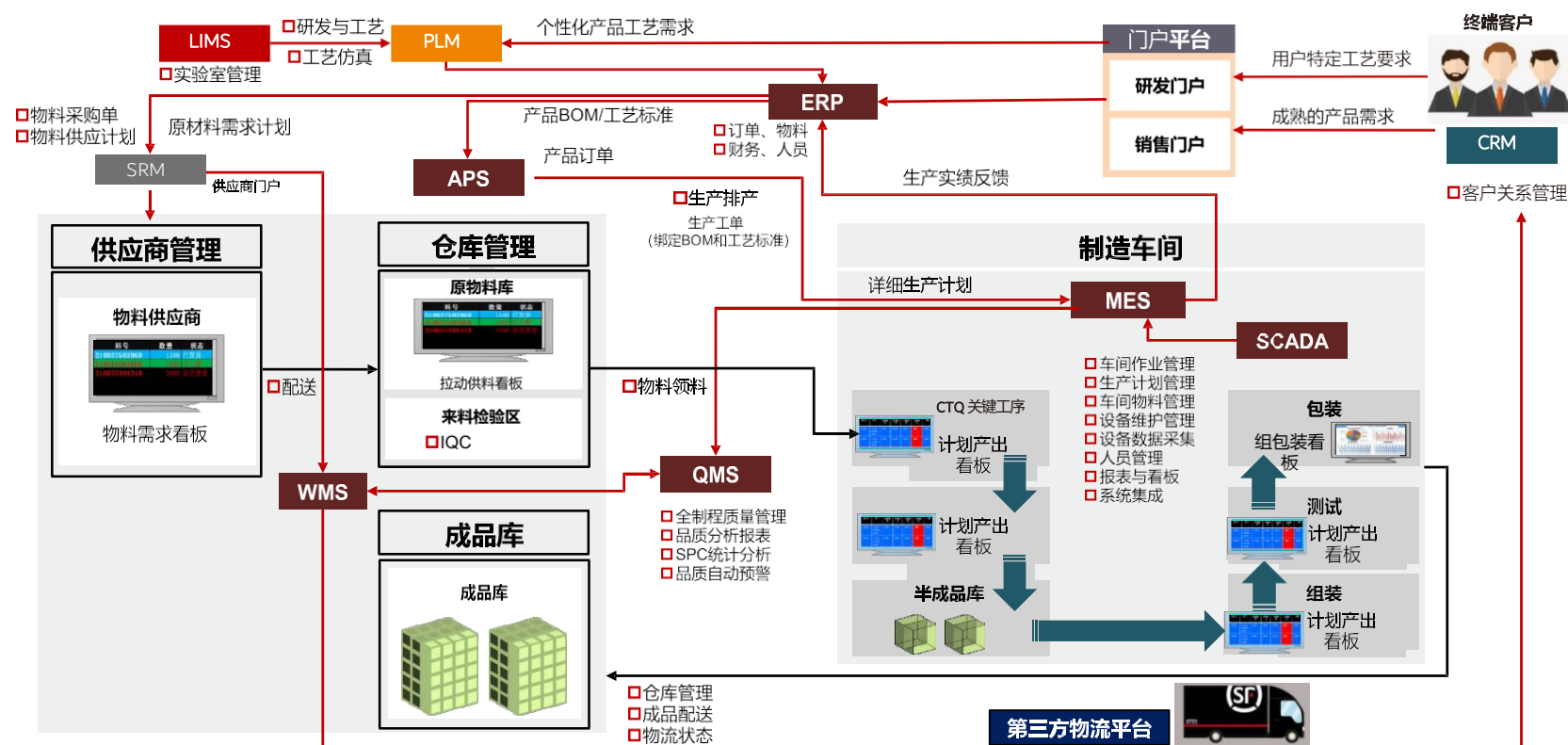
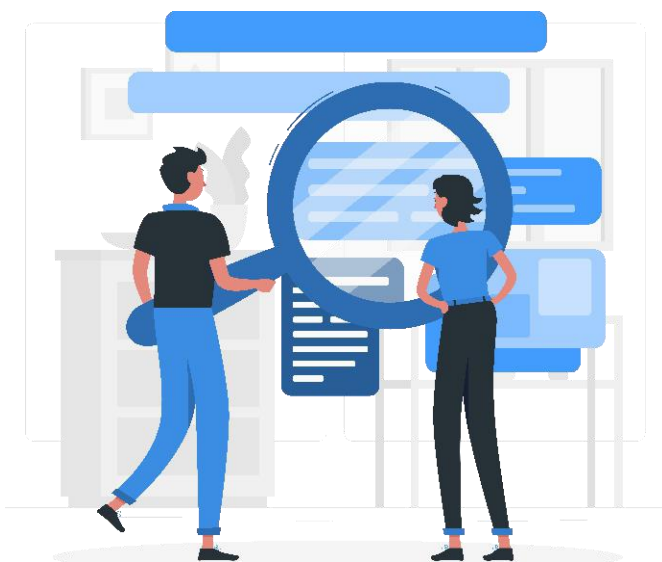


MOM-centralized Smart Manufacturing

1. Digitization of plant management

2. Mistake proofing

3. Traceability (5M1E)



Data Monitoring Center



Test Equipment

Thermal shock testing machine



RoHS Instrument



Salt spray testing machine



Tensile strength testing machine



Mechanical vibration experiments



Temperature and humidity testing machine



X-Ray inspection analyzer



Two-dimensional image measuring instrument

04

PRODUCTION STRENGTH

Focus on the R&D and manufacturing of magnetic components

Production Strength 1

300,000-level dust-free workshop, 30+ production lines,
More than 40 million customized part of annual
production capacity.

Production area
6500m²

Planar transformer
>15M/year

Conventional
transformer
>20M/year

Inductor
5M/year

Capacity up in
3 months
> 60%



Production Strength 2

300,000-level dust-free workshop, 30+ production lines,
More than 40 million customized part of annual
production capacity.

Production area

6500m²

Planar transformer

>15M/year

Conventional transformer

>20M/year

Inductor

5M/year

Capacity up in 3 months

> 60%



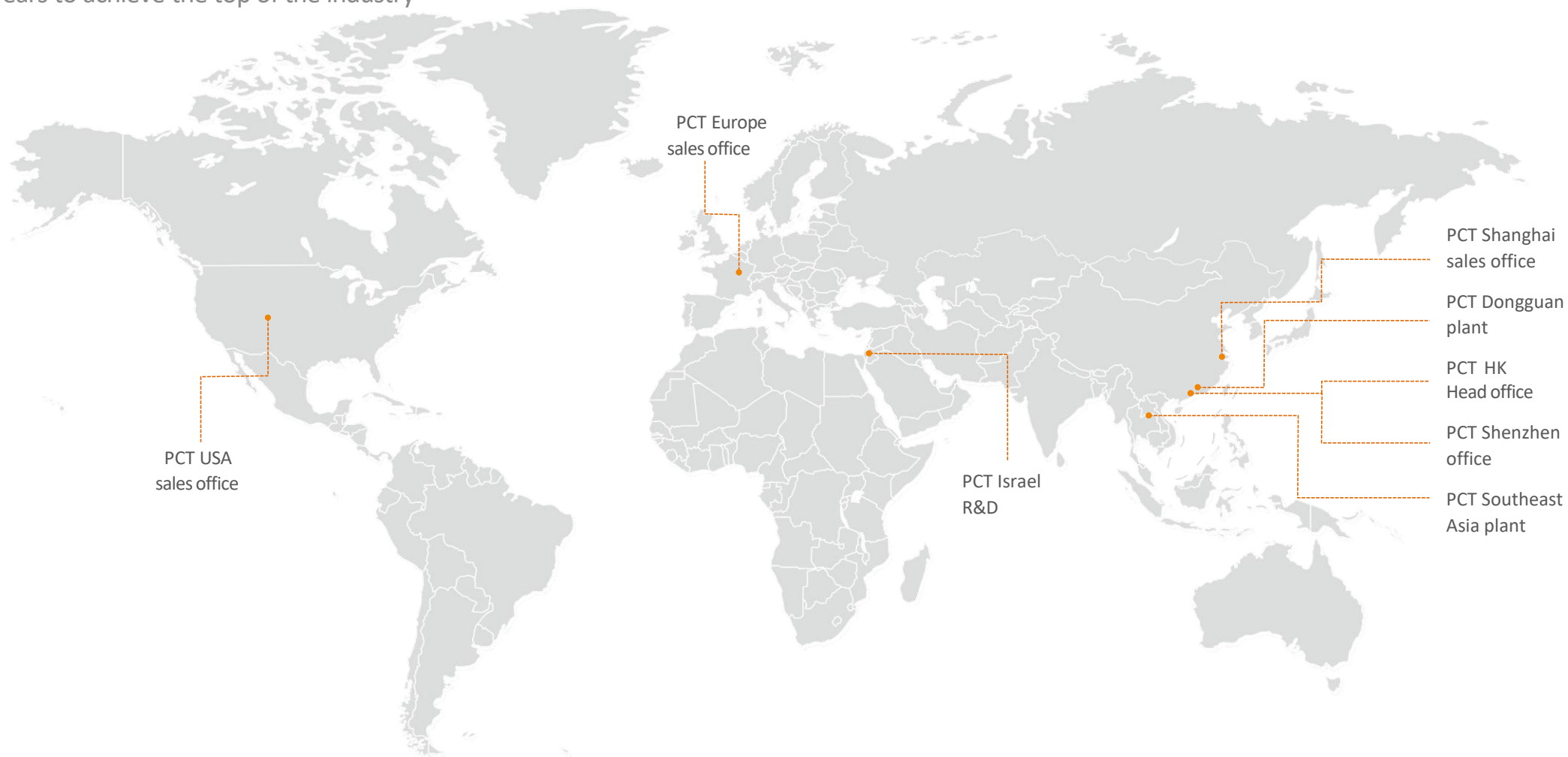
05

STRATEGIC DEPLOYMENT

Focus on the R&D and manufacturing of magnetic components

Strategic Deployment

- Expand regional development and set up overseas production bases
- 5-10 years to achieve the top of the industry



06

WHY PCT

Focus on the R&D and manufacturing of magnetic components

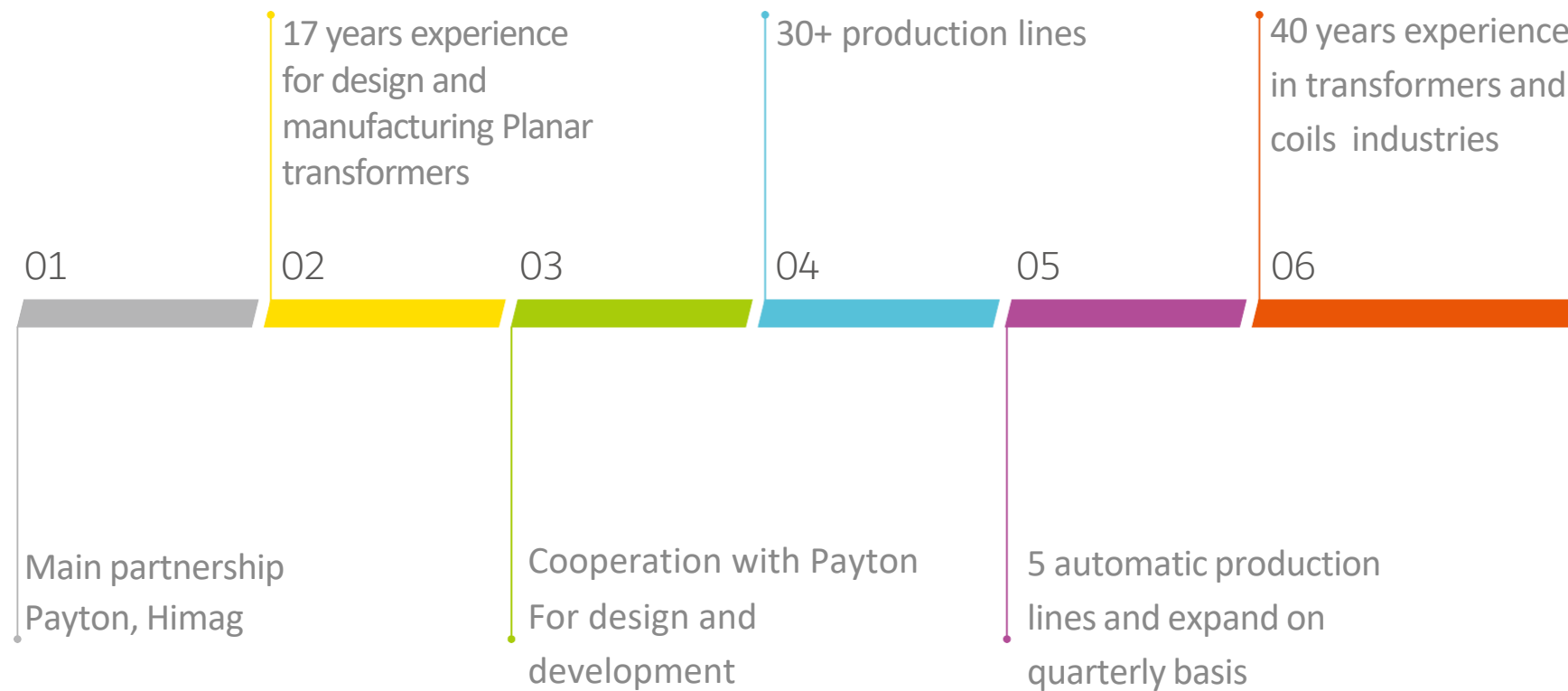
6 Focus Elements

PCT Team strength





Why select PCT?





倍诚信实业有限公司
PCT Industries Ltd.

东莞倍诚信电器有限公司
PCT Dongguan Electrical Co., Ltd.



Scan here, to know more!

Thank you!

