



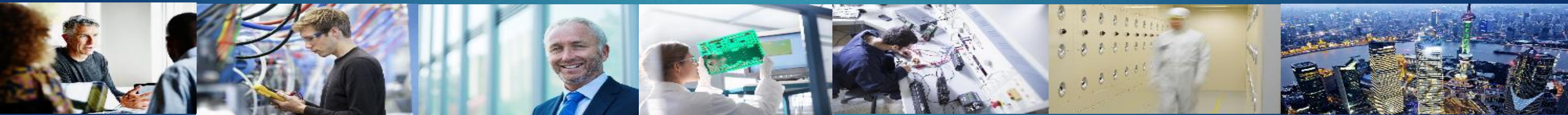
WeEn Semiconductors

General Introduction

Version 1.1

Dec, 2018

Marketing Team





WeEn Semiconductors: 50-Years Leading Experience in Power



PHILIPS

High Voltage Transistors (HVT)
Fast, Ultrafast & Hyperfast Power Diodes
Bipolar 4-Quadrant Triacs



WeEn Global Layout

Stay Close to Customers





WeEn achieves Top 5 Power Semiconductor manufacturer in China in 2016Y & 2017Y

- ▶ As a leading player in the semiconductors industry, WeEn focus on developing a complete portfolio of industry-leading bipolar power products including silicon controlled rectifiers, power diodes, high voltage transistors, silicon carbide which are widely used in the automotive, telecommunications, computers and consumer electronics, intelligent home appliances, lighting, and power management markets.
- ▶ The aim is to help the customers achieve higher cost-efficiency and production efficiency and to contribute to the development of China and global intelligent manufacturing.



WeEn Semiconductors Co., Ltd. Financial Holding and HQ / Major Site Locations



WeEn Semiconductors (UK) Ltd.
Manchester, UK
R&D & Application Lab

WeEn Semiconductors (Germany) Ltd.
Germany subsidiary

WeEn Semiconductors Co., Ltd. (WeEn NC) Holding
F&A , Reliability & Failure Analysis Laboratory

WeEn Semiconductors Co., Ltd. Shanghai Branch
Marketing, R&D, Sales, Application Lab, Quality, OPS, F&A

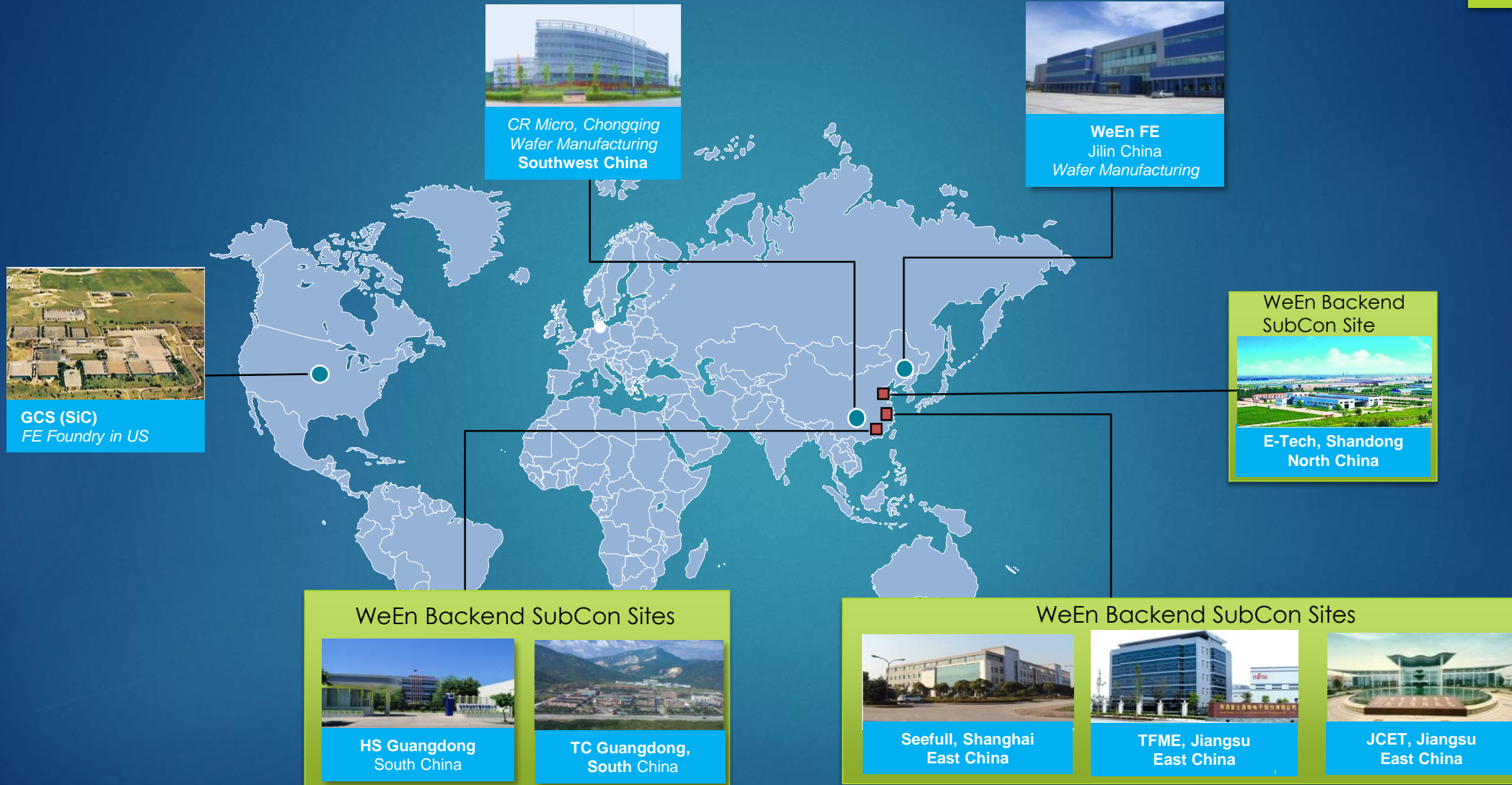
10 WeEn entities under WeEn NC / HK / UK worldwide
1 Wholly Owned FE Manufacturing Site
2 R&D Centers , 2 Application Labs & 1 Reliability & Failure Analysis Laboratory
12 Sales Offices Worldwide
And another 5 Rep Offices in USA and Brazil



- In Sep 2018, WeEn opened its new, in-house, reliability and failure analysis laboratory in Nanchang, Jiangxi Province, which is the largest scale & most advanced LAB in central China. And it can conduct the tests on Power Diodes, Thyristors, HVT and any other discrete device.



WeEn Semiconductors Ltd. Manufacturing Locations



Legend

- Wafer fab
- Assembly, test and packaging

WeEn Semiconductors Co., Ltd. Quality Certification



- ▶ ISO9001
- ▶ IATF 16949
- ▶ ISO14001
- ▶ OHSAS 18001
- ▶ UL on isolation products
- ▶ RoHS and REACH compliant
- ▶ Sony Green Partner



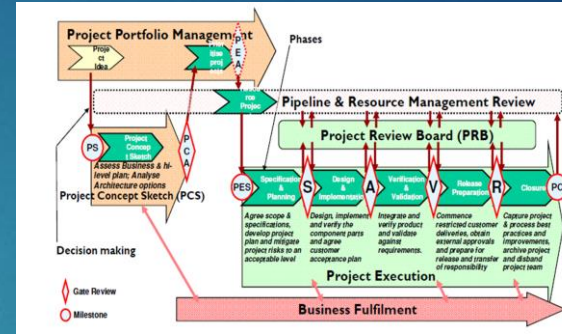
- ▶ Shanghai office has **ISO9001** certificate in the name of **WeEn Semiconductors Co., Ltd.**
- ▶ Jilin manufacturing site has IATF 16949 in the name of **Jilin WeEn Semiconductors Co., Ltd.**, but also including R & D, Sales & Customer Service in Shanghai.

WeEn Semiconductors Co., Ltd. Product Quality



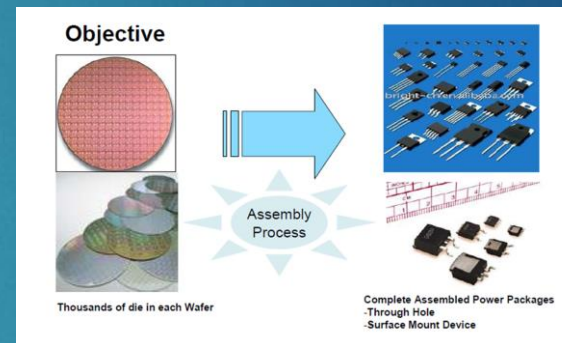
▶ Product Design & Development

- ▶ BCaM, Advanced Product Quality Planning
- ▶ Portfolio management, Gate review
- ▶ Design optimizing, DOE
- ▶ Risk management, FMEA



▶ Product Manufacturing

- ▶ IATF 16949 certified, VDA6.3 audited
- ▶ Process capability, CPK 1.67
- ▶ 100% electrically testing, OQC 0PPM
- ▶ Routine reliability monitoring



▶ Product Supporting

- ▶ e-PCN
- ▶ e-Complaint handling, 8D methodology
- ▶ Application lab

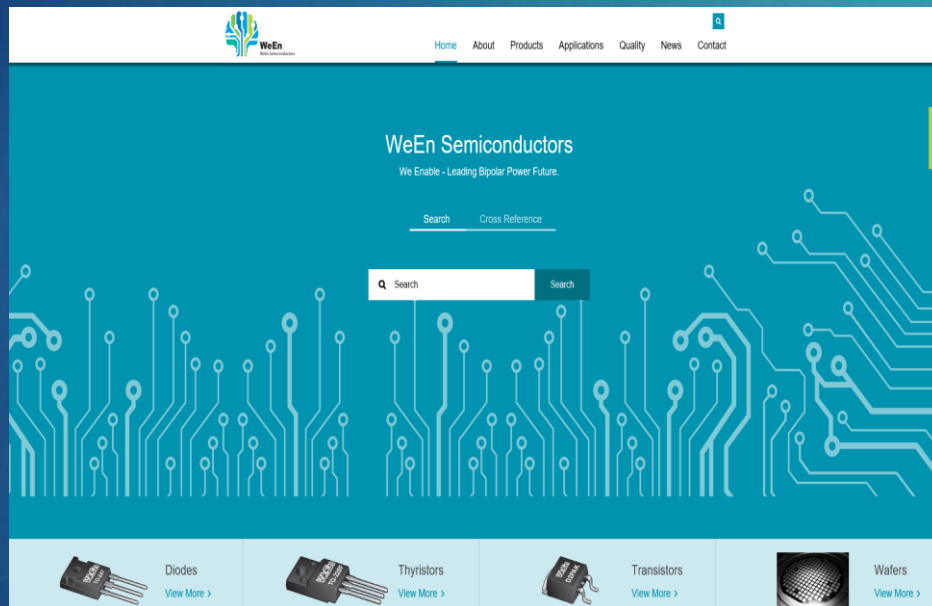


WeEn Semiconductors Co., Ltd.

Effective Tools Support via Website & WeEn Portal



- ◆ **WeEn Website** www.ween-semi.com : Support New Customer Request
- ◆ **Helpdesk** : Supports queries from customers/distributors on products & expectations
- ◆ **Portal System**: Sample application, Design Registration & SND management



WeEn Semiconductors Co., Ltd. Portfolio and Focused Applications



Sustaining competitive advantage

Industrial & Energy



- Silicon Carbide JBS
- SABER™ Power Diodes
- EEPPT™ High Voltage Diodes
- G2 Trench Schottky Diodes
- High current SCR/Triacs
- High Voltage Transistors
- *WeEnbridge™*

Home Appliance



- 3 Quadrant Hi-Com™ Triacs
- 4 Quadrant Triacs
- AC Thyristors (2Q)
- AC Thyristor Triacs (3Q)
- TOPTriac™
- *IGBTs*

Taking leading position

Automotive



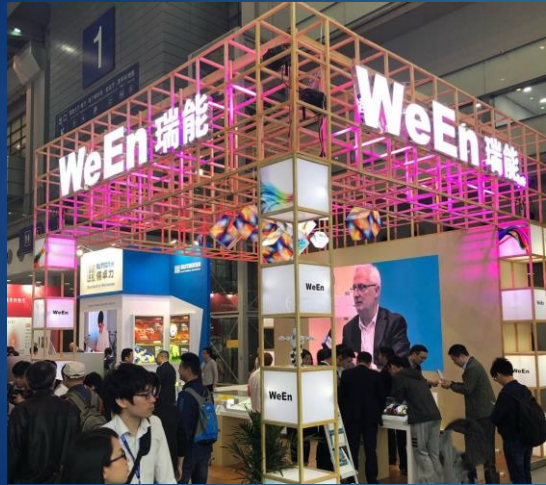
- BYQ/V series for lighting and body control
- TYN series SCRs for regulator
- Automotive grade SCRs
- *Automotive grade FRDs*
- *Automotive grade Silicon Carbide devices*

Italic represents for new products or products in development

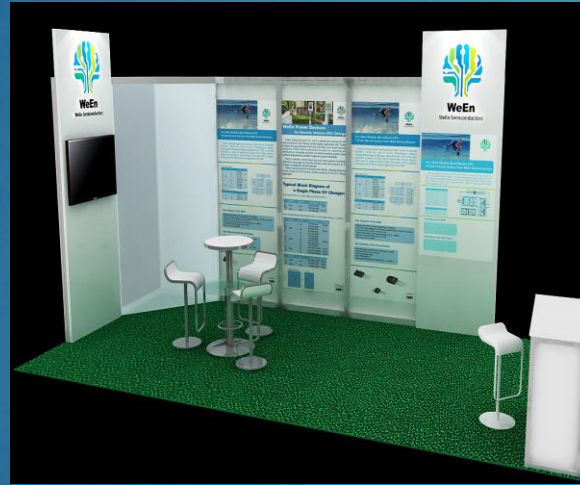
WeEn Semiconductors Co., Ltd. Brand Name Promotion in Global Market



■ Shenzhen, Apr, 2018



■ Nuremberg, Jun.2018

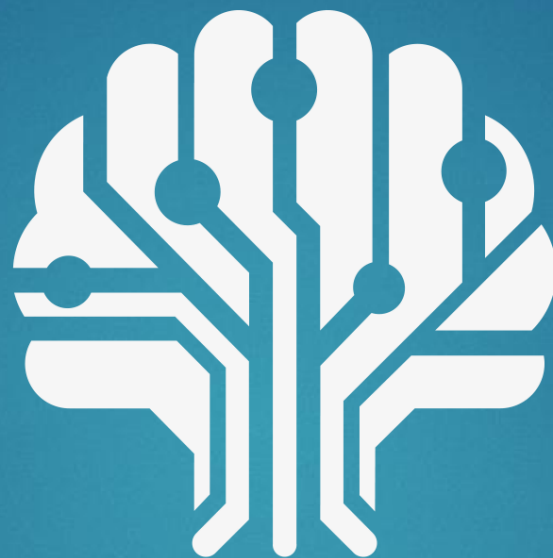


■ Bengaluru, Sep,2018



■ Munich, Nov,2018





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