

**Critical**

manufacturing

unleash the  
power of  
manufacturing



# CRITICAL MANUFACTURING

## COMPANY INTRODUCTION

# ADVANCED MANUFACTURING EXPERIENCE

## HISTORY - PORTO DEVELOPMENT CENTER

### SIEMENS



Local IT group develops Manufacturing niche applications



Development Centers are created in Porto and SuZhou to develop solutions for the company world-wide



Development Centers develop and deploy solutions world-wide



IT Production Automation  
~250 persons

1997

2001

2006

2009



From niche IT development group to world-wide development and deployment organization

# INTRODUCTION

CRITICAL GROUP - 23 COMPANIES IN 11 COUNTRIES



links



materials



software



health



manufacturing



Critical Links  
New Jersey, USA

Critical Materials  
Guimarães, PT



Critical Software  
Portugal

Critical Health  
Coimbra, PT

Critical Manufacturing  
Oporto, PT

Watchful  
Portugal

Critical Links  
Coimbra, PT



Critical Software  
USA



Critical Manufacturing  
Dresden, Germany

Critical  
USA



Critical Software  
Brazil

Critical Software  
Technologies, UK

Critical Manufacturing  
SuZhou, China



Critical Software  
Mozambique

Critical Software  
Angola

Critical Manufacturing  
SuZhou, China

Critical Manufacturing  
Austin, USA

Critical Software  
Singapore



# CRITICAL GROUP

SINCE 1998

2006 **CRITICAL**  
sgps Group Holding

2006 **Critical**  
links Communication solutions based on IP technology

2008 **Critical**  
materials Monitoring and diagnosis of critical applications of intelligent materials

2008 **Critical**  
health Loss of Vision and Mobility Prevention

2009 **Critical**  
manufacturing Manufacturing Execution, Automation and Intelligence for advanced industries

2012 **CRITICAL**  
ventures Vehicle of Critical Group for seed and early stage investments

1998



Critical Software: the “mothership”

- Business critical solutions systems across several industries



- Global Footprint: Portugal, USA, UK, Brazil, Romania, Mozambique, Angola
- Quality certifications: SPICE, ISO 9001, NATO, CMMI Level 5
- Reference customers



# OFFICES

## WORLD WIDE PRESENCE



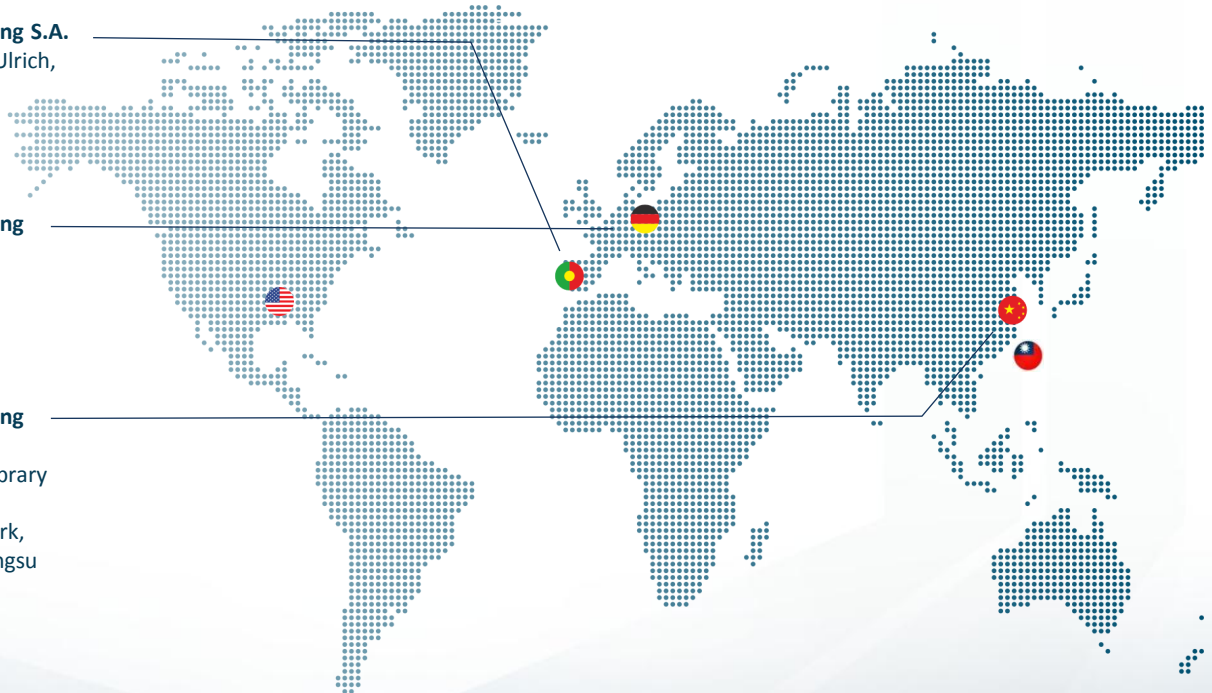
**Critical Manufacturing S.A.**  
Rua Engº Frederico Ulrich,  
nº 2650. 4470-605  
Moreira da Maia  
Portugal



**Critical Manufacturing  
Deutschland GmbH**  
Am Brauhaus 12  
01099 Dresden  
Deutschland



**Critical Manufacturing  
(SuZhou), Ltd**  
C402, DuShu Lake Library  
No 258, Renai Road  
Suzhou Industrial Park,  
Suzhou, 215121, Jiangsu  
China



**Microsoft** Partner

Gold Software Development  
Gold Independent Software Vendor (ISV)

ISO 9001  
**BUREAU VERITAS**  
Certification



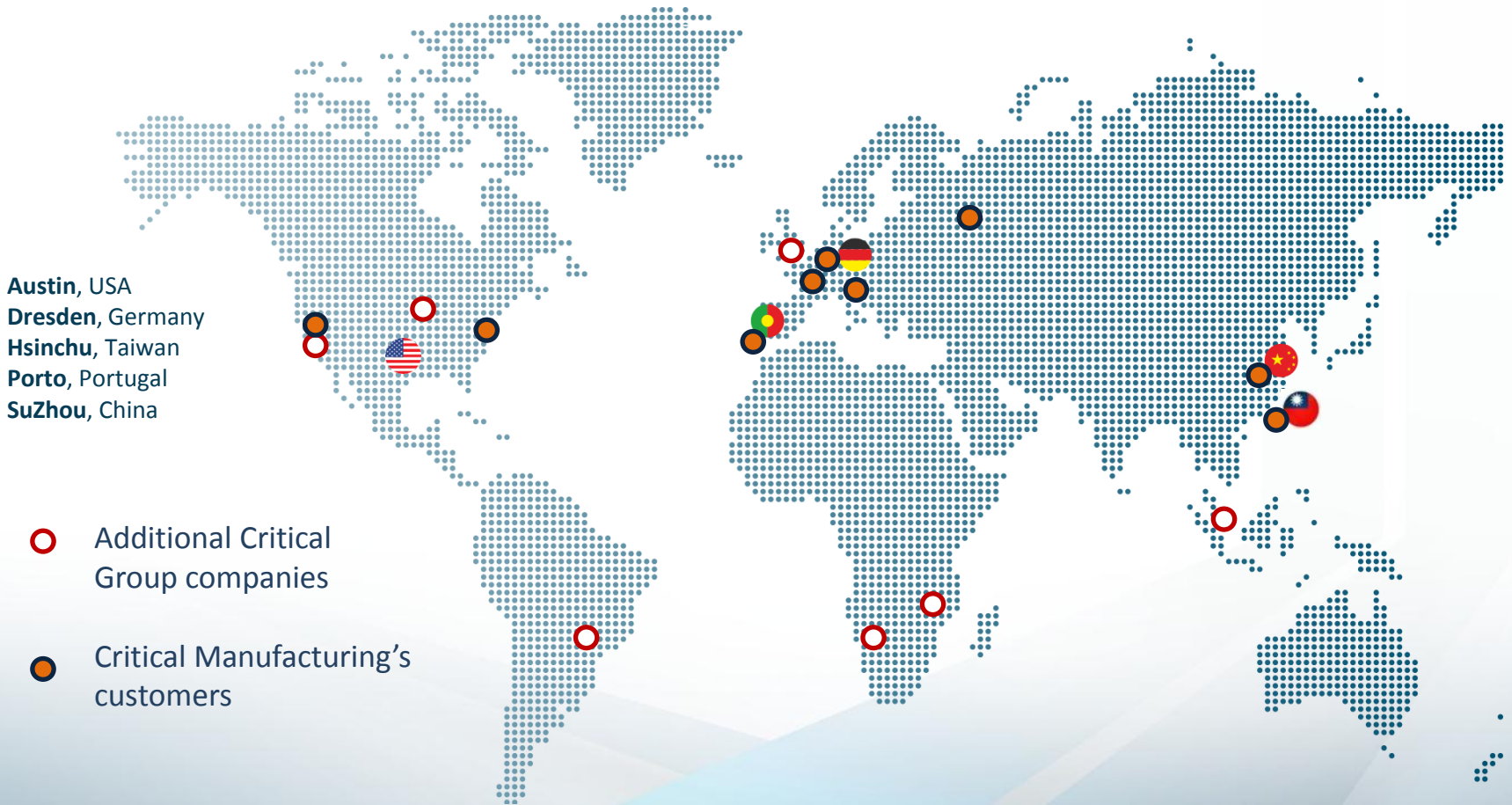
008





# INTRODUCTION

## GLOBAL OPERATION

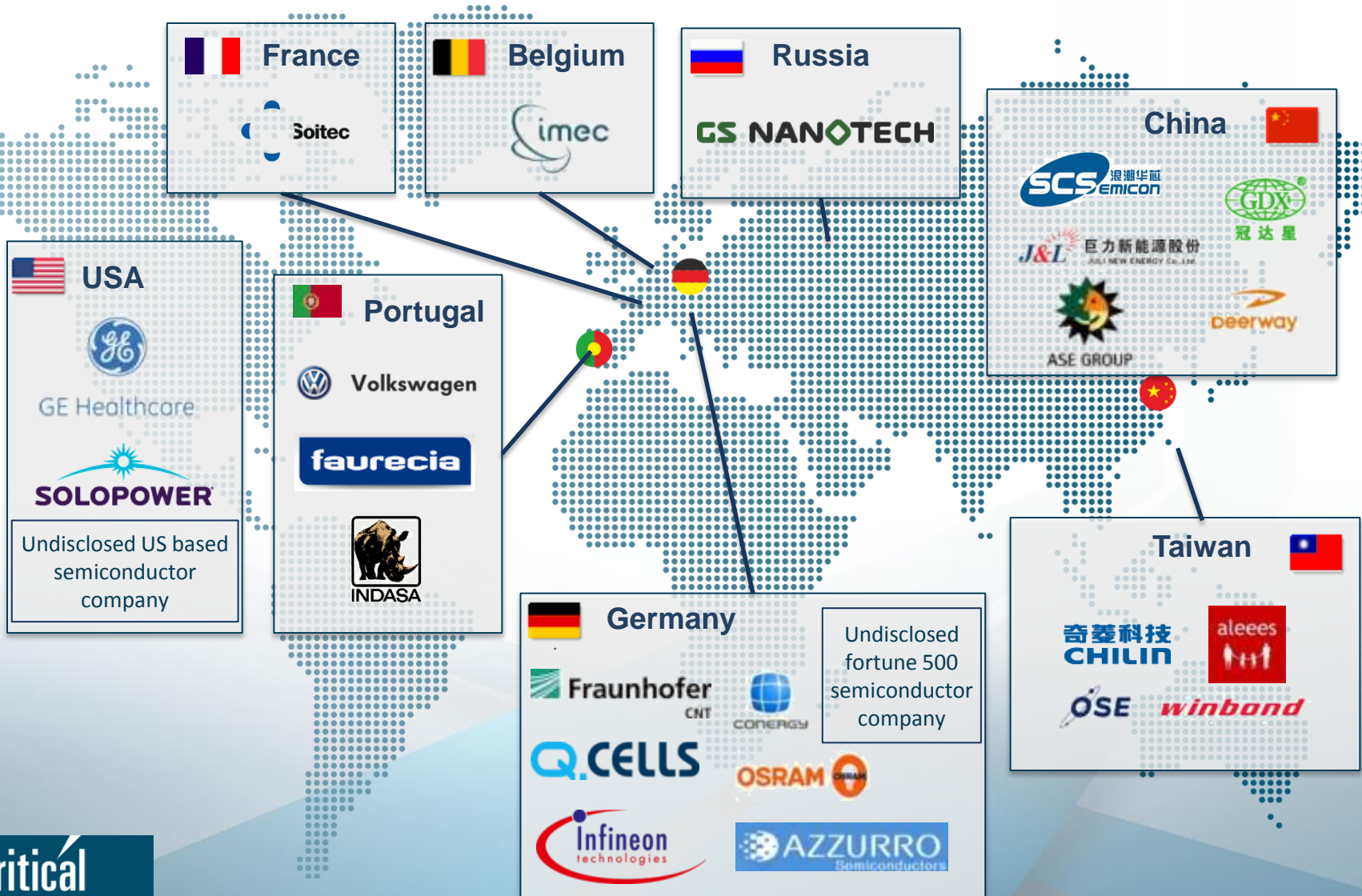


Austin, USA  
Dresden, Germany  
Hsinchu, Taiwan  
Porto, Portugal  
SuZhou, China

- Additional Critical Group companies
- Critical Manufacturing's customers

# INTRODUCTION

## WORLDWIDE REFERENCES



- Resource capacity
- Industry specific knowledge
- Geographical presence
- Regional or cultural experience





# WHY ARE WE THE RIGHT PARTNERS?

CRITICAL GROUP

## Critical group

- Founded in 98, has worldwide customers
- Major shareholder of several companies world wide
- Offices in Portugal, Germany, USA, UK, Romania, China, Brazil



## Wide experience

- Key persons with >10 years experience in high tech manufacturing
- Experience in MES implementations and migration projects
- Large scale software architecture, development and services



## Great solutions

- At the cutting edge of innovation
- Addressing the most important industry challenges
- Commitment to a product development roadmap
- Customer specific requirements through services team



## Reference customers

- Products & Services
- Semiconductors, Solar, LED, Electronics, Medical Devices
- Manufacturing & R&D
- Europe, Asia and US



