

CAND meets CITEC

Suzhou Museum

August 2014





Jiangsu Province

Founded in 514 BC, the Cradle of Wu culture

Population: about 12 M people

Human Development Index (HDI, 2013): 0.873
which is roughly equivalent to that of the Italy's.

World Cultural Heritage: The famous gardens

Academic Tradition:

In AD 1035, the Suzhou Confucian Temple, founded in AD 1035
became a venue for the imperial civil examinations
and then developed into the modern Suzhou High School in 1910s

Suzhou

Shanghai

Zhejiang
Province

the East
Sea

Rural Past & Today's Megapolis



• Daren TT
• Shoot a picture

千龙网

SU ZHOU or THE DYNAMICS OF MODERN CHINA



SU ZHOU and THE CONCIOUSNESS FOR ITS HERITAGE





核能服务
Nuclear Power
Services

中广核检测技术有限公司
CGNPC Inspection Technology Company, Ltd.

CGNPC Inspection Technology Company (CITEC)



CITEC LOCATIONS

- Shenzhen: Headquarter: Science and technology Building;
- Suzhou: R&D base, Training base, Storage, maintenance and experiments with non-contaminated equipment;



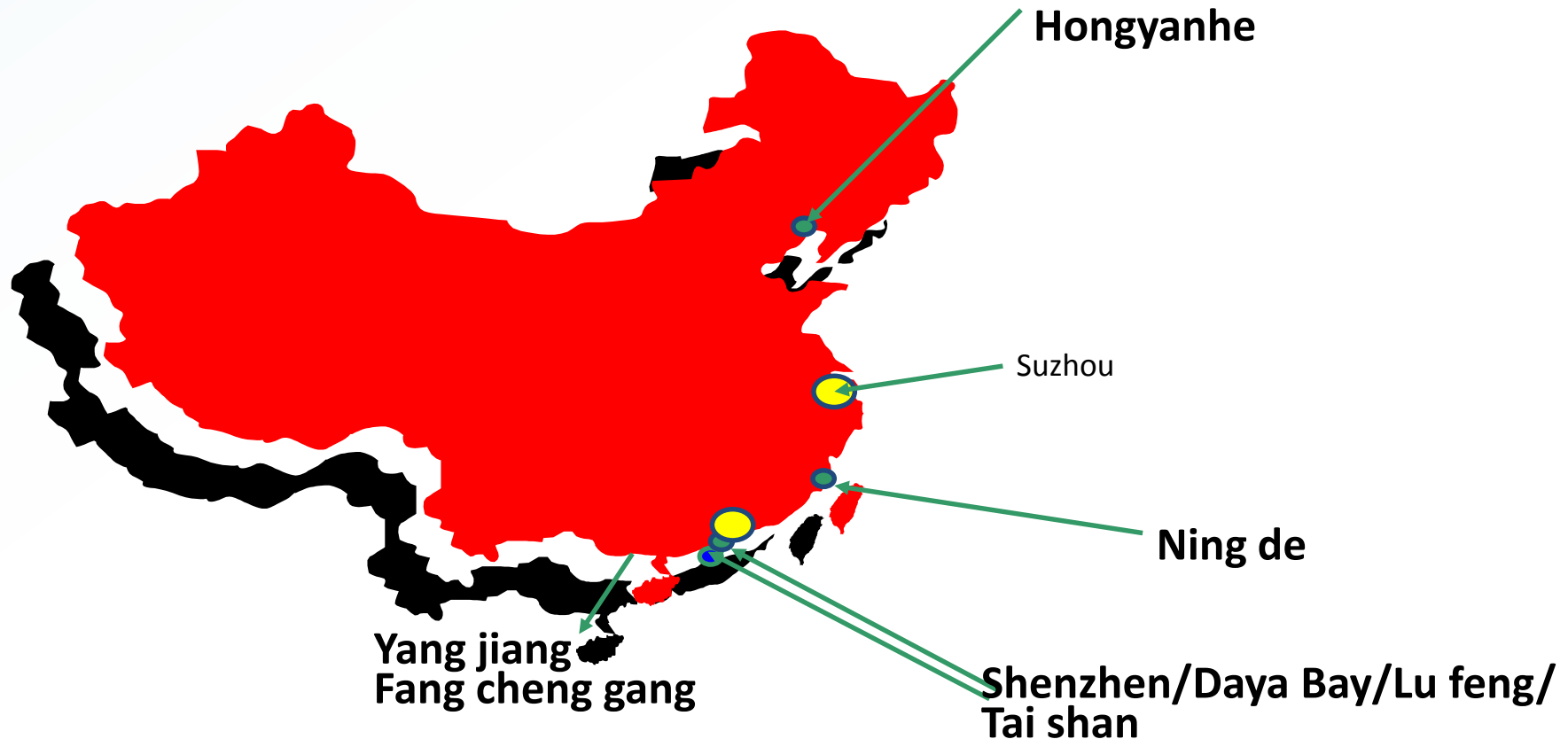
Yang jiang
Fang cheng



Shenzhen/Daya Bay/Lu feng/
Tai shan

CITEC LOCATIONS

- **Nuclear Power Stations:** contaminated equipment (AC hot workshop) and localized staff office.



CITEC Mission

CITEC is a to the core competitive in-service inspection company with international qualification and latest state-of-the-art technology facilitated by its ability for innovations.

CITEC provides services following the demands and requirements of CGNPC, and serves both domestic and foreign inspection markets.

CITEC Vision

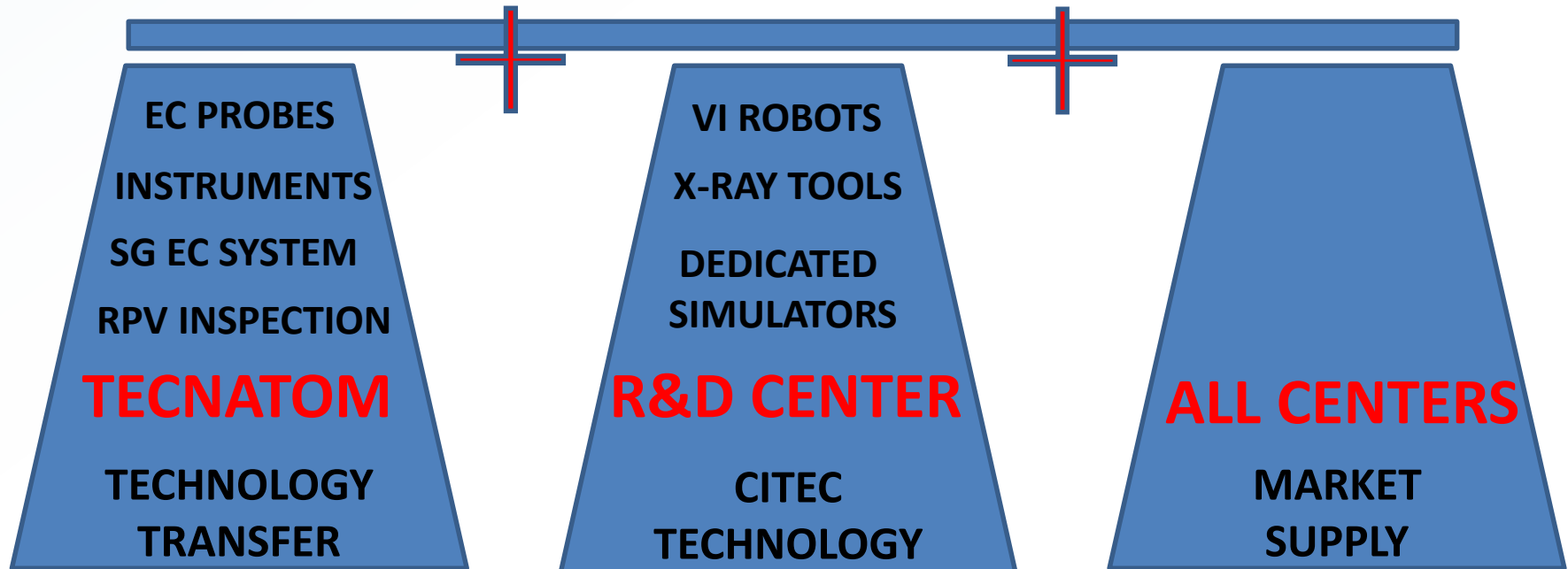
CITEC is a professional world class in-service inspection company setting advanced standards according to the latest state-of-the-art.

CITEC TECHNOLOGY

STRATEGY FOR EQUIPMENT & INSTRUMENT RESOURCE MANAGEMENT

Introduction, digestion, absorption, re-innovation
and application of inspection techniques for CPR1000 units

OWN INSPECTION METHOD & SYSTEM STUDIES & PERFORMANCE TESTS



CITEC RPV INSPECTION MACHINES (TIME & CIME)



1 Set TIME: 2009

PSI/ISI LingAo $\frac{3}{4}$

ISI Ningde 1

(CRP 1000 units)

1 Set CIME 1: 2010

PSI Ningde 1/2

Hongyanhe 1/s,

Yangjiang unit 1

(CRP 1000 units)

1 Set CIME 2 : 2012

(self reliance)

PSI/ISI Taishan

(EPR units)

2 Sets CIME 3/4: 2014

(self reliance):

(AP 1000 units)

CITEC STEAM GENERATOR TUBE INSPECTION TOOL TESAR



3 Sets : 2009
(CRP 1000 units)

4 Sets : 2010
(CRP 1000 units)

3 Sets : 2012
(self-reliance)
(EPR units)

4 Sets : 2013
(self-reliance)
(Other units)

CPR-1000 / EPR Mockups (CITEC Independent Design)

Developed and manufactured by CITEC –
used for training and NDT performance tests



- RPV Body
- RPV Head Cover
- SG Primary Side
- Pressurizer
- And others

CPR-1000 / EPR Mockups (CITEC Independent Design)

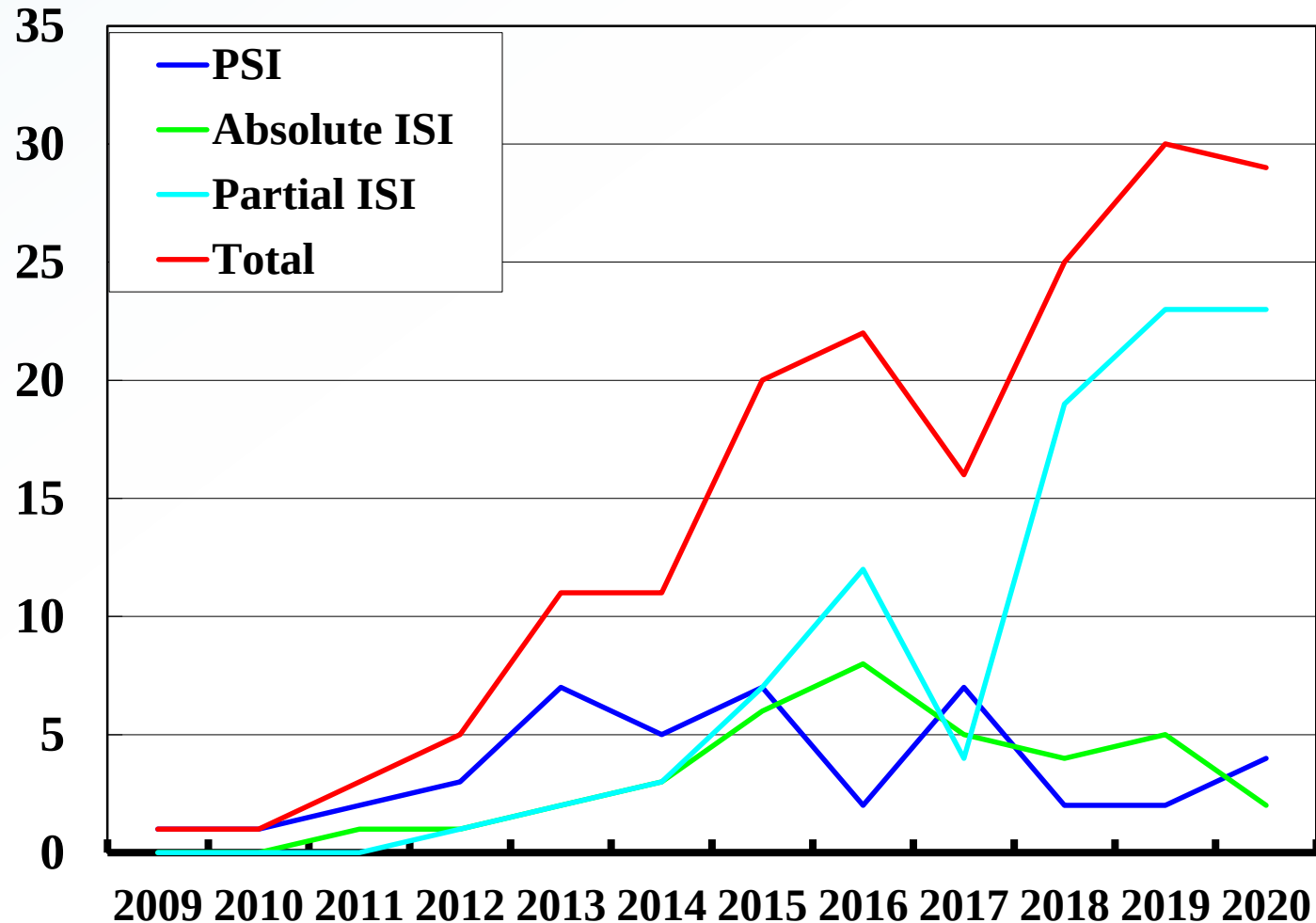
**Developed and manufactured by CITEC –
used for training and NDT performance tests**



- **RPV Body**
- **RPV Head Cover**
- **SG Primary Side**
- **Pressurizer**
- **And others**

CGNPC Group Inspection Market (Forecast 2020)

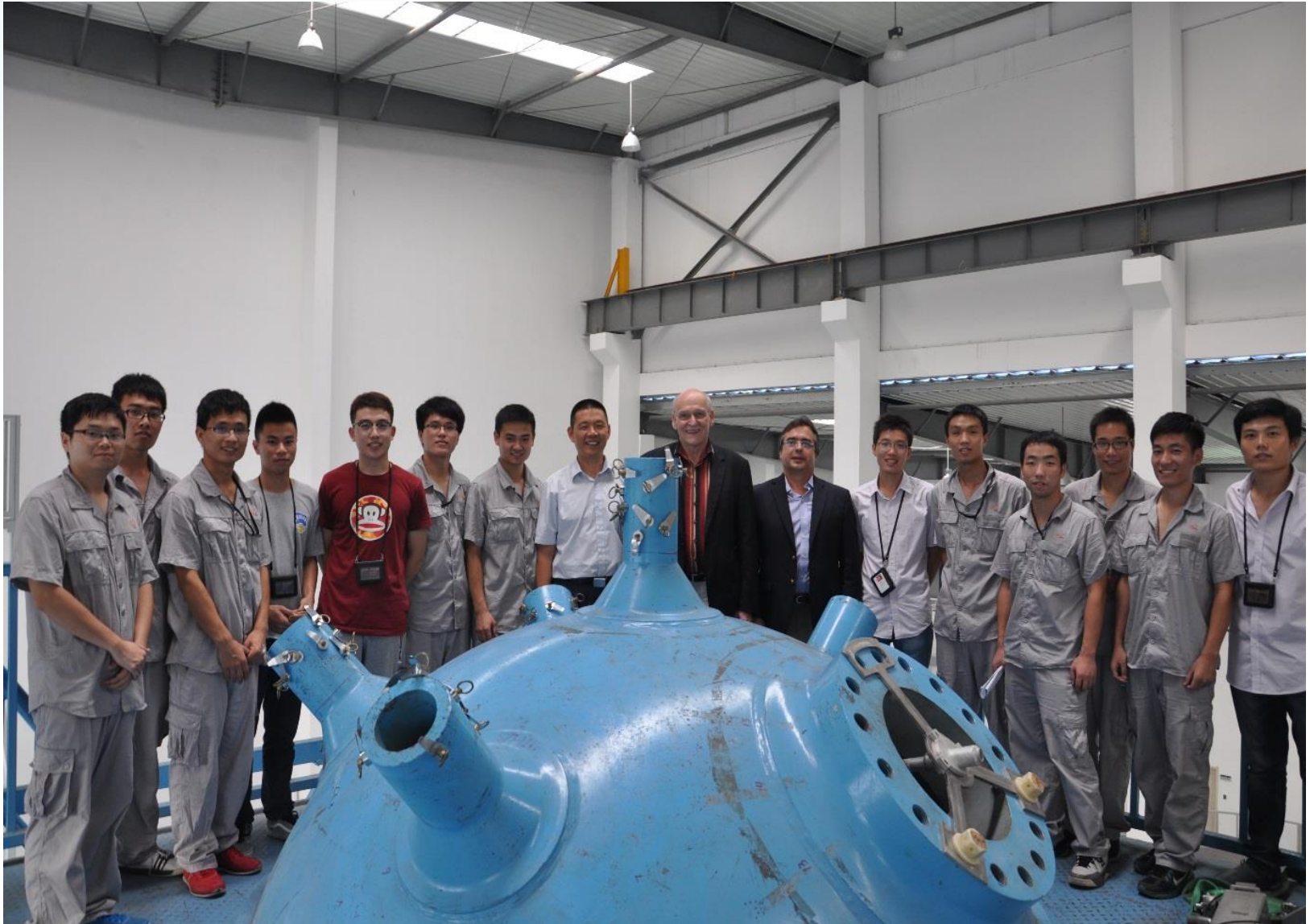
Unit: times



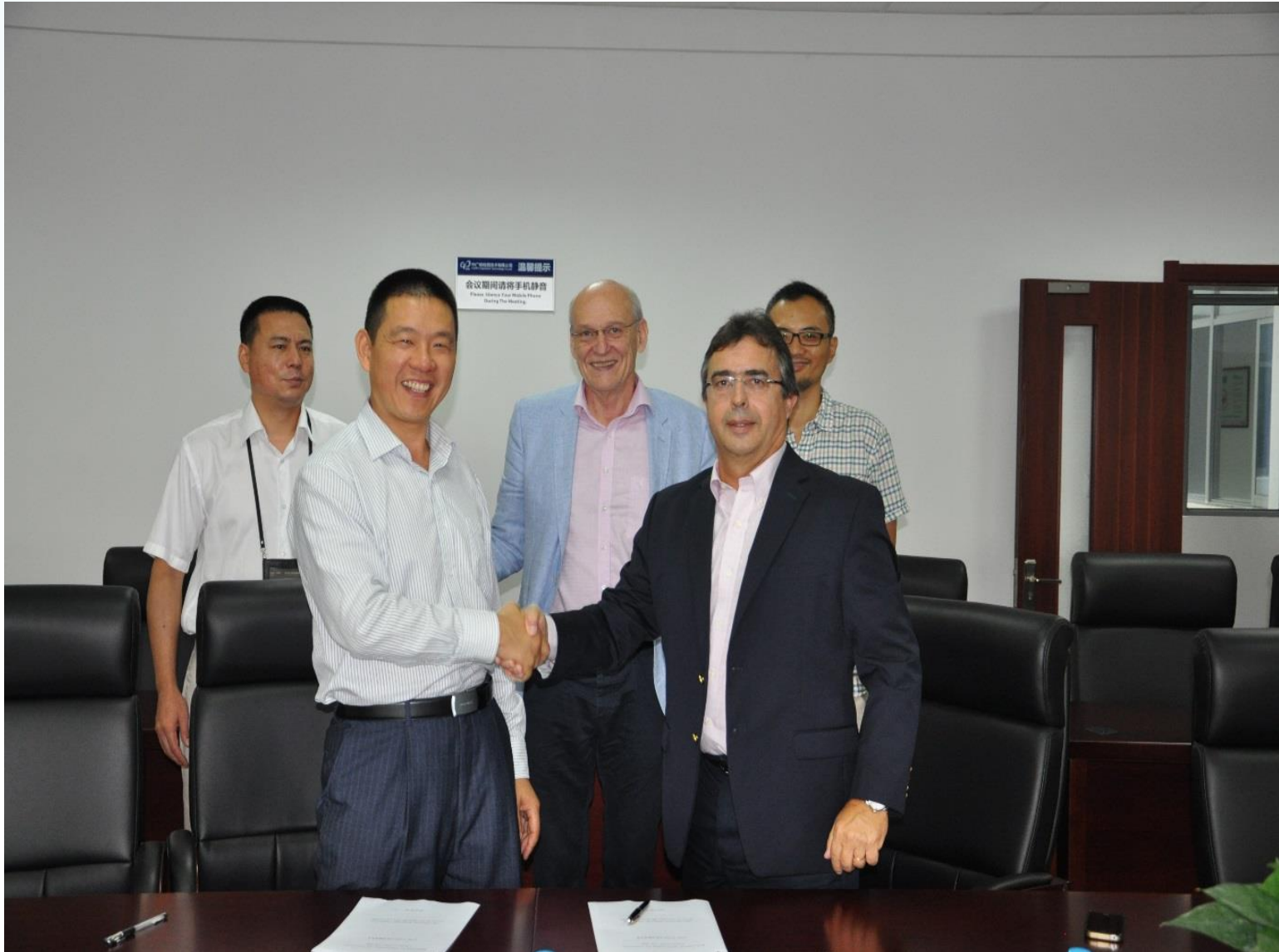
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CITEC'S EXECUTIVE MESSAGE

Thanks for Attention.

- Time changes,
- Scenery changes,
- Culture remains,
- Friendship remains!

---- J. Liu