

Trescal

| CALIBRATION SOLUTIONS TO IMPROVE YOUR PERFORMANCE |

Thai-Korea Calibration Center Co., Ltd.

www.tkcal.net



2023

Internal document

Dec. 2023

TKCC

A Trescal company

01

TKCC History



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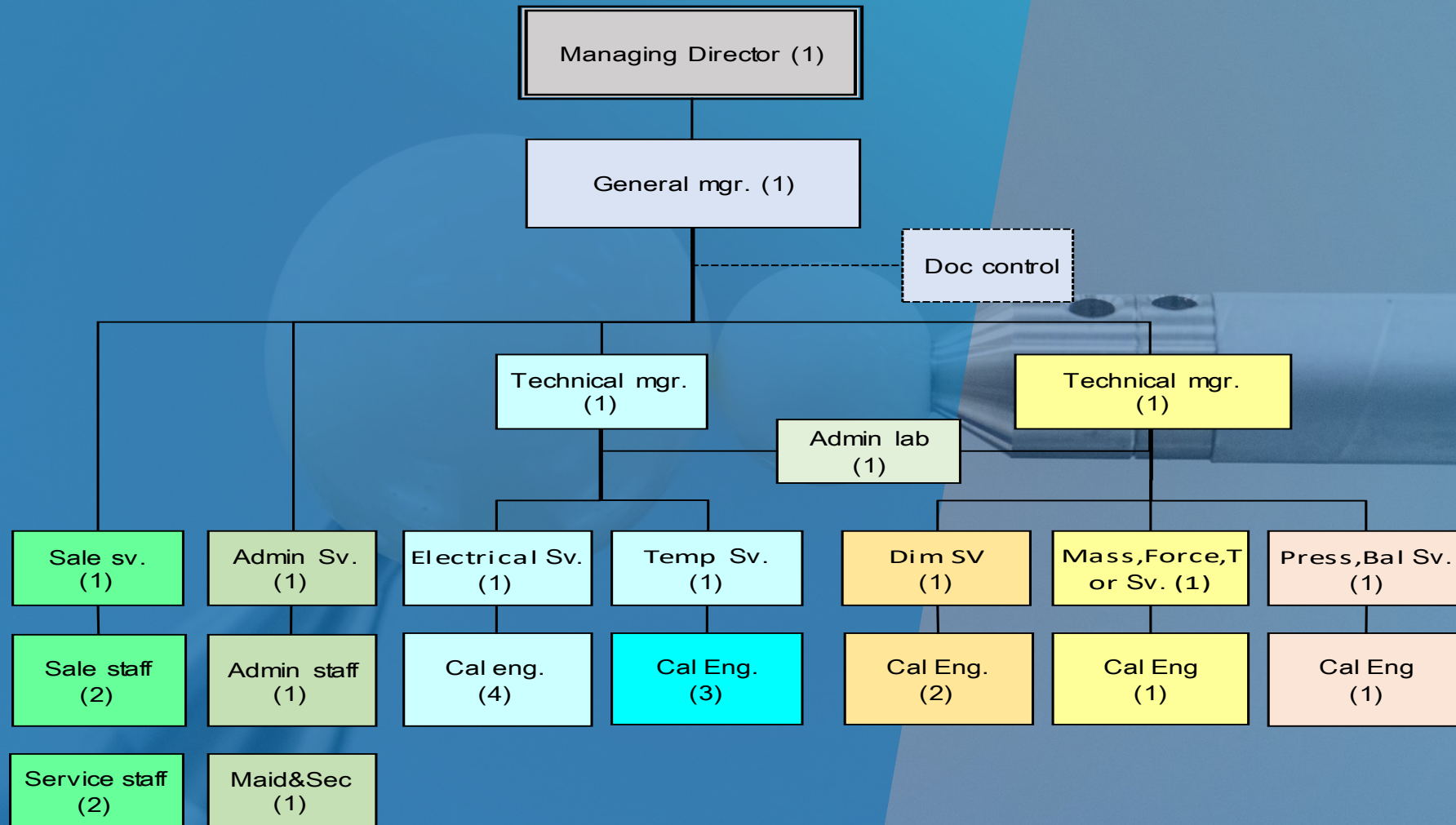
Internal document

Our mission

จุดมุ่งหมายในการดำเนินงานด้านคุณภาพและการให้บริการแก่ลูกค้า

1. สอบเทียบภายใต้การรับรองมาตรฐาน ISO/IEC 17025:2017 และข้อตกลงกับผู้นรับบริการอย่างมืออาชีพ
(Perform calibration job under ISO / IEC 17025: 2017 and agreements with customers in a professional manner)
2. ดำเนินการสอบเทียบและส่งคืนเครื่องมือภายใน 5 วันทำการ (กรณีเร่งด่วน 3 วันทำการ)
(Completed calibration and return UUC within 5 days), (Urgent case 3 working days)
3. บริการพิเศษในการเก็บประวัติและรายงานสถานะการสอบเทียบด้วยโปรแกรมควบคุมเครื่องมือวัด (TIMS)
(Special service for calibration record and status by TIMS program)
4. บริการรับ-ส่งเครื่องมือฟรี และสามารถให้บริการสอบเทียบ ในวันหยุดได้
(Non charging of transportation cost and special service in holiday)
5. ฝึกอบรมและให้คำปรึกษาด้านการบริการจัดการเครื่องมือวัดตามระบบมาตรฐานคุณภาพ
(Training and consulting in measuring instrument management services according to the quality standard system.)

TKCC Organization chart



1

1

2

1

7

14

3

29

– Our Customer (Thailand)



Electrolux



Fisher & Paykel



THAI SUMMIT GROUP



SEWS-COMPONENTS (THAILAND) LIMITED

BRIDGESTONE

POSCO



cpp



SCG



DAIKIN

HITACHI

TOSHIBA



P-TECH™



สถาบันไฟฟ้าและอิเล็กทรอนิกส์
ELECTRICAL AND ELECTRONICS INSTITUTE



สภากาชาดไทย
THAI RED CROSS SOCIETY

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| CALIBRATION SOLUTIONS TO IMPROVE YOUR PERFORMANCE |

We are *Trescal* family

**Calibration solutions to improve your
performance**

November 2023

02



— Our deep experience meets every need



30+
countries on all continents



380+
laboratories



25M€
invested yearly
in innovation



5000+
metrology professionals



780+
accreditations



28
domains of expertise



150K
Referenced instruments

— Our local laboratories are all over the world



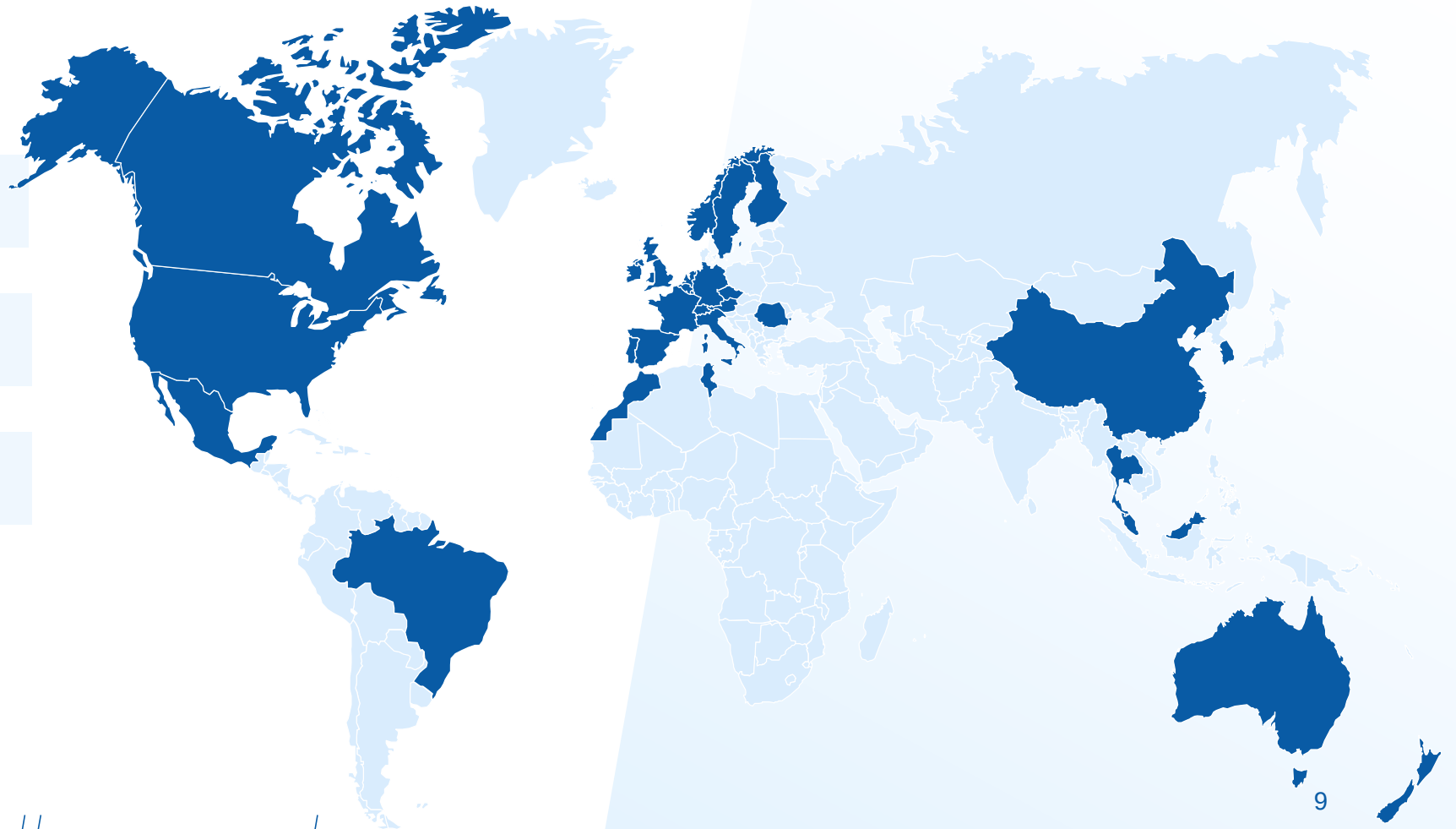
30+
countries



160+
laboratories



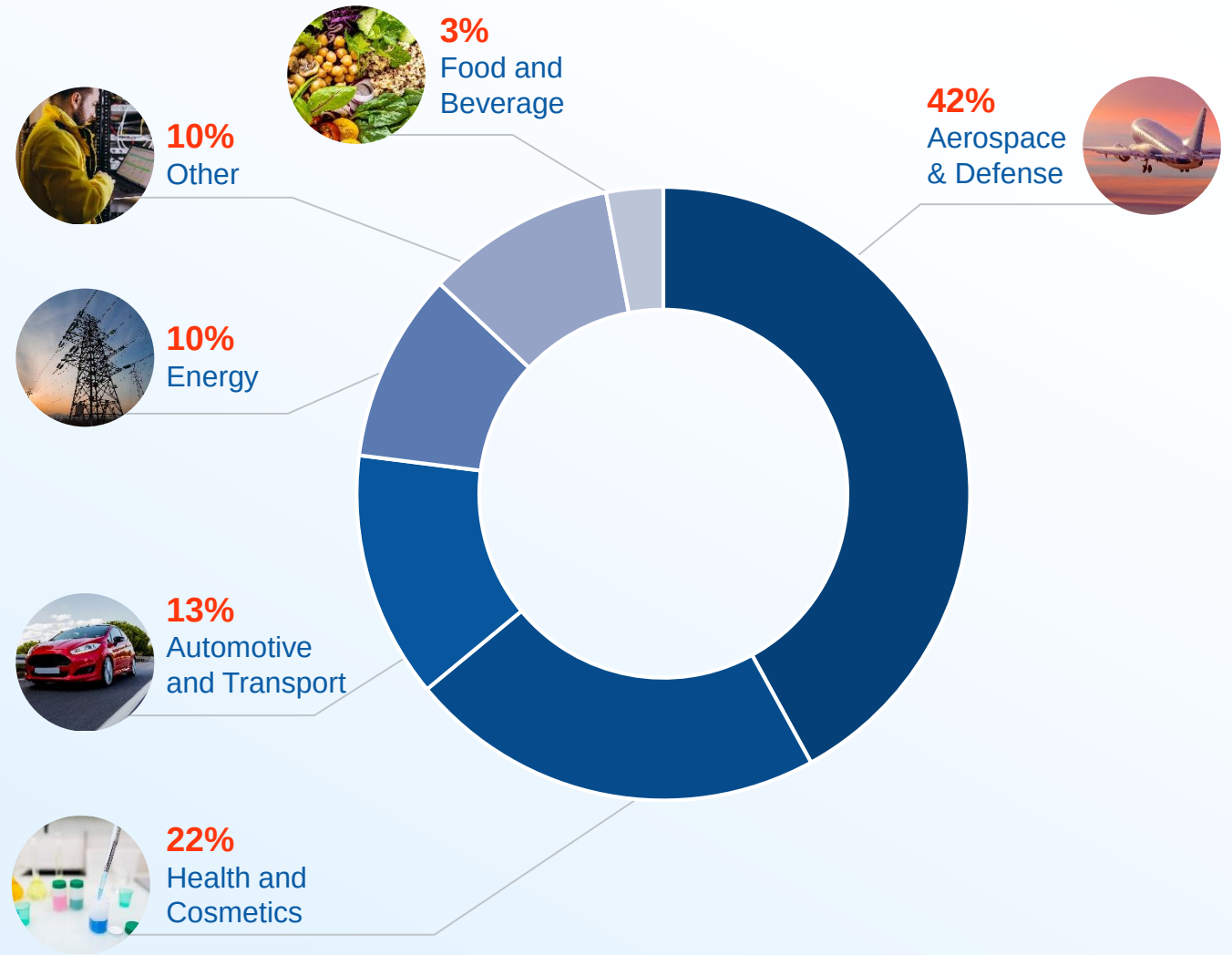
220+
laboratories on client sites



Trescal

— We have experience in every industry

- Aerospace and Defense
- Health
- Cosmetics
- Automotive and Transportation
- Energy
- Food and Beverage
- Telecommunications
- Manufacturing
- Mining



We cover all calibration domains

 Accelerometry

 Acoustics

 Chemical

 Dimensional

 Electricity /
Magnetism

 Force

 Hardness

 Humidity

 Liquid flow
meter

 Mass/Scale

 Pressure /
Vacuum

 Radiometry /
Photometry

 Temperature

 Time /
Frequency

 Torque

 Volume

Our accreditations in each country



Trescal



Thailand



국제공인교정기관

SOUTH KOREA



Trescal

Asia-Pacific

03

Trescal

Trescal in Australia & New Zealand



Laboratories

14



Staff

181



Customer branches

2



Operations / year

(verifications / calibrations)

225,000



Accredited domains

9



List of accredited domains

Dimensional, Electrical DC/LF, Force, Hardness, Humidity, Mass, Pressure, Temperature, Torque,



Specific Skills

Force, Sale of equipment, Process control instrumentation



Major customers

Airbus, AstraZeneca, Aust Nuclear Science & Tech, BAE, Beja Cheese, Boeing, Coca Cola, Ergon, IBM, Philips, Raytheon, Qantas, Safran, Siemens, Virgin, Western Power



Number of customers

6,000



Trescal in Malaysia



Laboratories

8



Staff

201 (including 80+ engineers / technicians)



Customer branches

1



Operations / year

(verifications / calibrations)
60,000



Accredited domains

27



List of accredited domains

Chemical, Dimensional, Density, Electrical, Frequency, Force, Gas Flow, Hardness, Humidity, Mass, Mechanical, Optical, Pressure / Vacuum, Temperature, Time/Frequency, Torque, Valve Testing, Viscosity, Volume



Specific Skills

Balance and Load cell repair, Dimensional mechanical testing, Hydrostatic Testing, Load Cell calibration, Rental Operations, Training and Consultancy, Valve Testing



Major customers

Abbot Manufacturing Malaysia Sdn Bhd, Aker Solutions, Allied Calibration Engineering, B-Braun Medical Industries Sdn Bhd, Baker Hughes, Biocon Sdn Bhd, Emerson, FMC, GE Power, Halliburton, Keysight Technologies Malaysia Sdn Bhd, Schlumberger, St. Jude Medical Operations (M) Sdn Bhd



Number of customers

3,400



MS ISO/IEC 17025
CALIBRATION
TESTING
SAMM No.011
SAMM No.325
SAMM No.407
SAMM No.578



MS ISO/IEC 17025
CALIBRATION
TESTING
SAMM No.049
SAMM No.596



Trescal in Singapore



Laboratories

1



Staff

78 (including 50+ technicians / engineers)



Customer branches

2



Operations / year

(verifications / calibrations)
60,000



Accredited domains

10



List of accredited domains

Dimensional, Electrical, Force, Humidity, Mass, Mechanical, Pressure / Vacuum, Temperature, Torque, Valve Testing



Specific Skills

Multi-accredited calibration services
WEB services, Digital Certificates
Hydrostatic Testing, Load Cell calibration,
Rental Operations, Valve Testing



Major customers

Illumina, Novartis, Rolls Royce, Safran, ST Aerospace, Thales, UMW, UTC



Number of customers

2,500



Trescal in South Korea



국제공인교정기관



Laboratories

5



Staff

305



Customer branches

1



Operations / year

(verifications / calibrations)

360,000



Accredited domains

10



List of accredited domains

Electro-Magnetic Waves, Electricity & Electronics,
Environmental & Medical, Mechanics, Optics &
Transmission, Pressure



Specific Skills

Optical Light source, Optical Attenuator, OTDR, Optical Power Meter, SDH/SONET Analyzer, PDH analyser, Jitter Analyser, Etc (various optics, transmission & communication instruments ; Spectrum analyzer, signal generator, network analyzer & various mobile measuring instruments ; various voltage, current & power measuring instruments, digital scope, surge, various communication line, exchange, standards & checking instruments ; various instruments for linear dimension, form, time, frequency, torque, mass , force & etc ; pressure gauge/transmitter/ switch, digital/attachable indicator, temperature transmitter machine, glass thermometer, safety valve & etc (various pressure & temperature gauge of ship) ; fixed/portable gas detection system, gas/dust/VOC analyzer, various barometer, sound level meter, digital ear thermometer, radioactivity instruments & etc (GMP validation)



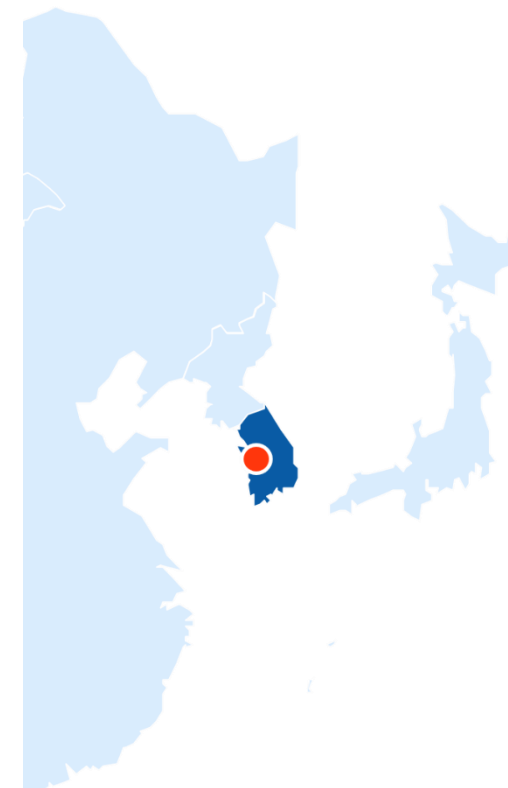
Major customers

Korea Telecom, Korea Railroad, Samsung, LG, Nano Hitec, Hyundai Mobis, LS Auto, DaiSin Precision



Number of customers

3,200



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Trescal in China



Laboratories

1



Staff

128 (including 62+ technicians / engineers)



Customer branches

n/a



Operations / year

(verifications / calibrations)
50,000



Accredited domains

10



List of accredited domains

Dimensional, Mass, Force, Torque, Temperature,
Humidity, Pressure/Vacuum, Electrical, RF, Mechanical
Testing



Specific Skills

Multi-accredited calibration services
WEB services, Digital Certificates
Hydrostatic Testing, Load Cell calibration,
Rental Operations, Valve Testing



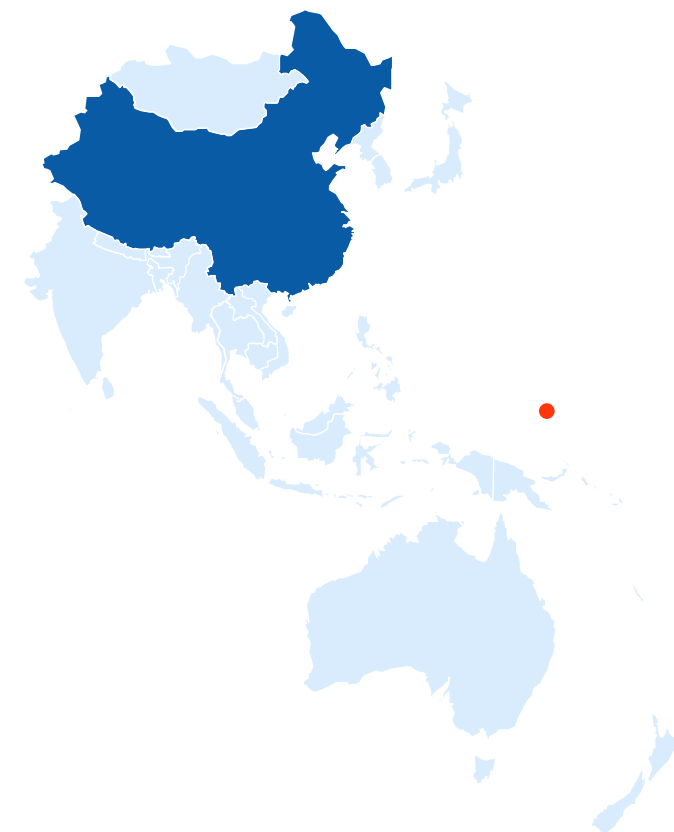
Major customers

China Telecom, China Mobile, Nissan, Toyota, Honda,
BYD ...



Number of customers

XXXX



Trescal in Thailand



Laboratories

2



Staff

75 (including 17 technicians / engineers)



Customer branches

0



Operations / year

(verifications / calibrations)
70000



Accredited domains

9



List of accredited domains

Dimensional, Electrical, Force, Humidity, Mass, Pressure / Vacuum, Temperature, Torque, Time and Frequency



Specific Skills

ISO 17025 Training and Consultation Service
Spectrophotometer & Color Difference Calibration,
Precision Pressure Gauge Calibration



Major customers

Samsung, LG, Electrolux, TPE, DAIKIN, SEWS, Baxter,
Hansol, Acushnet, TRCS, Fisher, BEKO



Number of customers

2200



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Thanks

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