

Orchestrating a brighter world

NEC

Toward realization of safer city

18th December, 2018

PT NEC Indonesia

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NEC Group at A Glance

242
Subsidiaries
169
Countries

Net Sales
USD
30B

Around
100K
Employees
WW

119
year of
Brand
success

Core Value We Provide



Safety



Security



Efficiency



Equality

Business Domain



Public



Telecom
Carrier



Enterprise



System
Platform

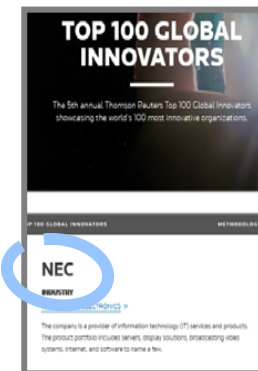


Global 500 Fortune company

Top100 Innovator

Reuters Since 2011

**Global 100 Most Sustainable
Corporations**



NEC Worldwide: "One NEC" formation

Business activities in over

169 Countries and territories

242 Branches

Our affiliates, Office and Laboratories

North America : Canada-USA

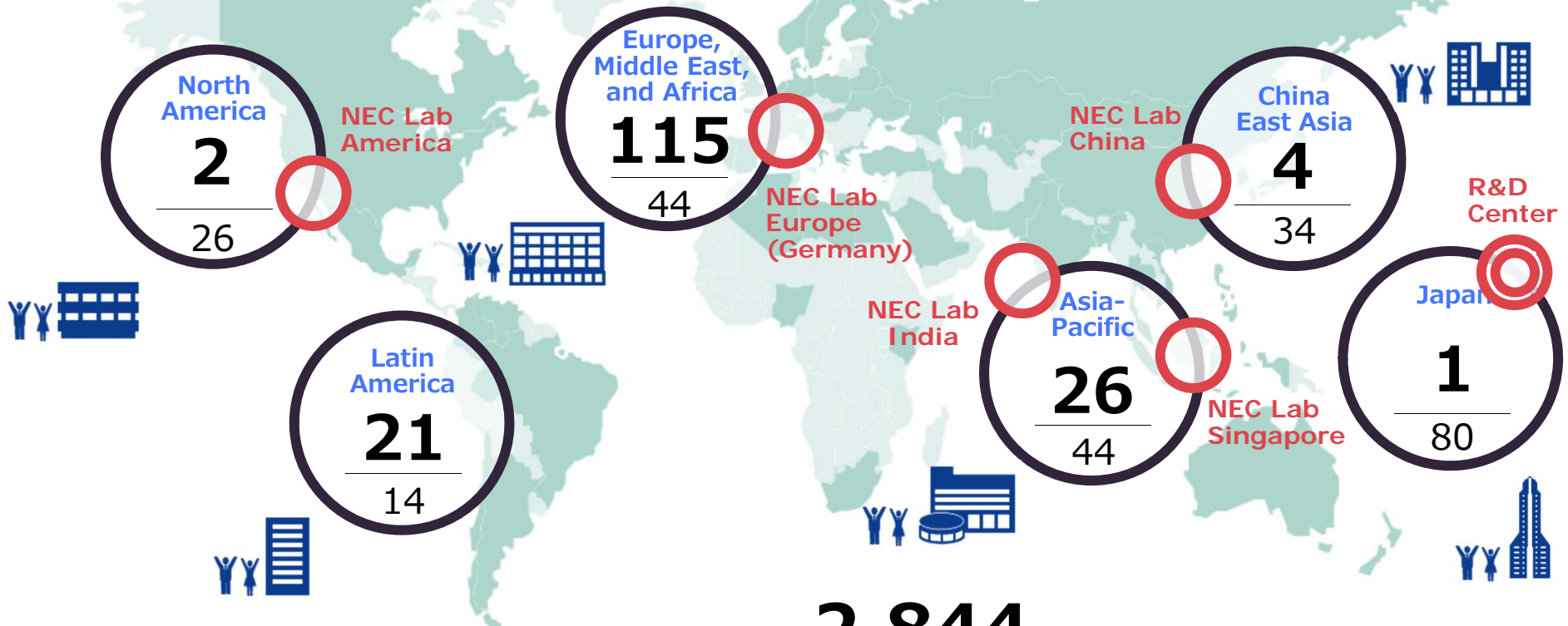
Latin America : Argentina-Brazil-Chile-Colombia-Mexico-Venezuela

Europe / Middle East / Africa : Finland-France-Germany-Greece-Hungary-Italy-Netherlands-Nigeria-Portugal-Saudi Arabia-South Africa-Spain-Sweden-Switzerland-Turkey-United Kingdom

Asia Pacific : Australia-India-Indonesia-Malaysia-New Zealand-Philippines-Singapore-Thailand-Vietnam

China / East Asia

NEC Overseas Offices



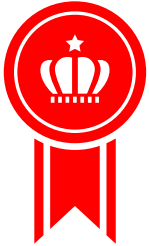
2,844 Billion Yen in FY2017 Sales

The 7 themes for social value creation

Orchestrating a brighter world



NEC's Strength in Multimodal Biometrics

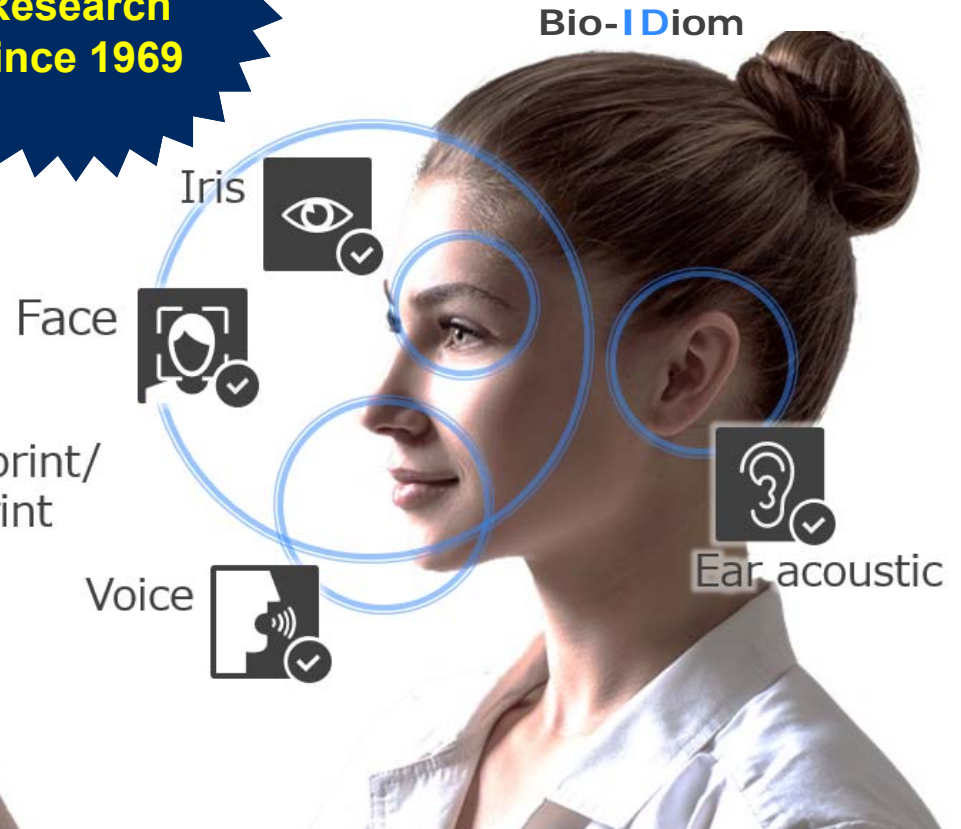


TOP OF THE CLASS IN BIOMETRICS World No.1*

- Fingerprint Identification
- Face Recognition
- Face Video Recognition
- Iris Recognition

**Deep
Biometrics
Research
since 1969**

Patented & Leading in:
Voice, Vein & Acoustic Recognition



Bio-IDiom

*Source: National Institute of Standards & Technology, NIST, US

NEC Biometric Solution Contribution



<USA> Washington D.C Airport
Face recognition system at D.C. airport



<India> Surat City Police
Surveillance system for
Safer City in Surat City



Airport's facial recognition system catches 2 people attempting to enter US illegally



Approx 27% reduction in Crime rate & 150 criminal cases solved



<Argentina> Tigre City
Surveillance system for Safer City
in Tigre City



**80% drop in crime rate (car theft)
And 20%/year growth of visitors**

Asian Games : Facial recognition & Behavior detection system



Biometrics

Video analytics

Suspicious person
detection



Trespassing
detection



Unidentified
objects



NEC's Video Analytics

NECの生体認証
Bio-IDiom

Safe participation

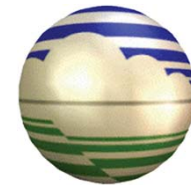
Audience increase

Efficient Operation



Realizing safe and secure operation of large size stadium

This wide-area disaster prevention system



BMKG



Project for Improvement of Equipment for Disaster Risk Management for Indonesia BMKG (Japan's ODA Grant Aid)

- 93 Seismometers all over Indonesia
- 200 IT strong-motion seismograph
- Systems at BMKG HQ to collect information about seismic intensity, seismic waves



Monitoring Room



Key Map

Submarine Cable-based Earthquake and Earthquake and Tsunami Observation Systems

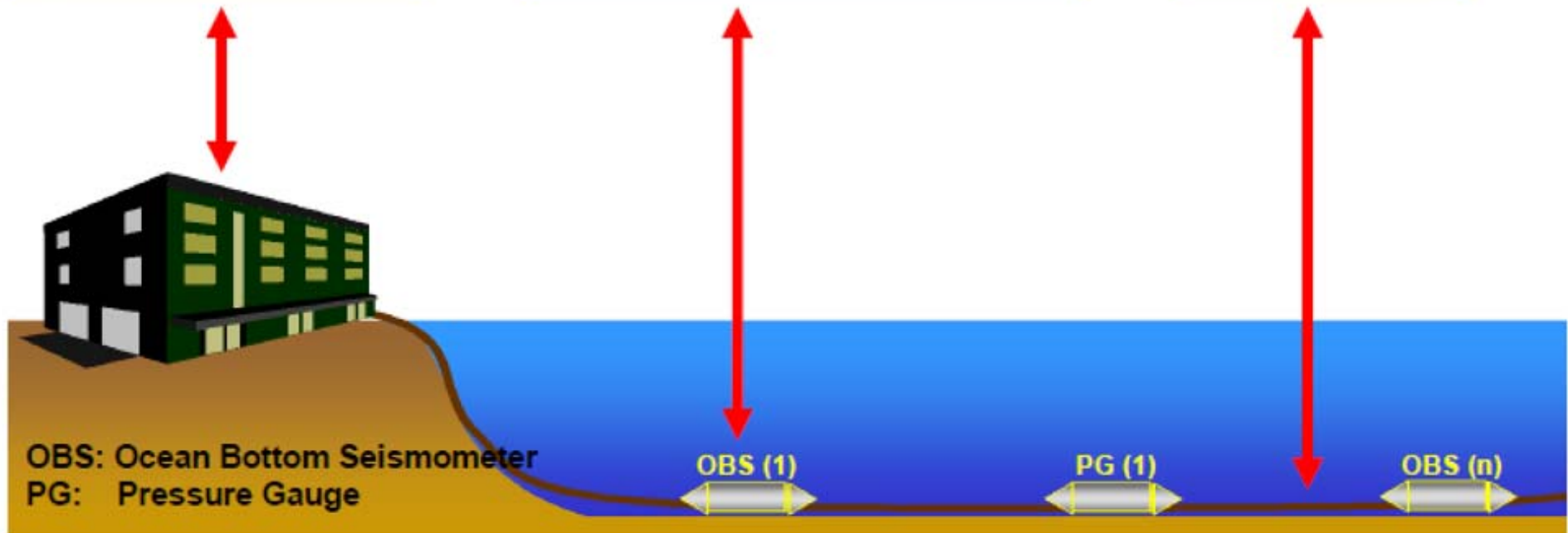
Terminal Equipment



Ocean Bottom Units



Cables & Fibres





John Smith

Missing Person

Eva Christina

Person of Interest

Thank you

 **Orchestrating** a brighter world

NEC