

The 3rd ASEAN-Japan Smart Cities Network High Level Meeting

Introduction to NEC City OS for Smart Cities

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NEC at a Glance

Establishment

Longstanding relationships of trust with customers



1899

Technological capabilities

Face recognition *6
Fingerprint recognition *7
Iris recognition *8



Global **No.1**

Rate of contribution to CO2 emission reductions across the whole supply chain

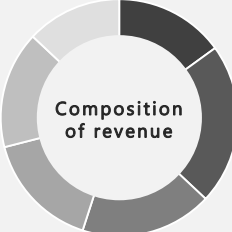
*2



Approximately **5.2** times

Revenue

*2



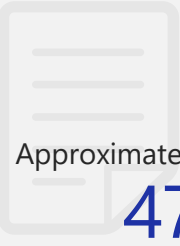
Composition of revenue

Public Solutions Business	15%
Public Infrastructure Business	22%
Enterprise Business	18%
Network Services Business	16%
Global Business	16%
Others	13%

3,095.2 billion yen

Number of patents

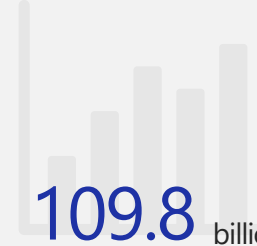
*3



Approximately **47,000**

R&D expenses

*2



109.8 billion yen

Number of cases of serious involvement with cartels and/or bid-rigging



0 cases

Number of employees

*3



Approximately **110,000**

Inclusion in the CDP Climate Change and Water A List

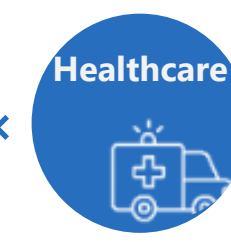
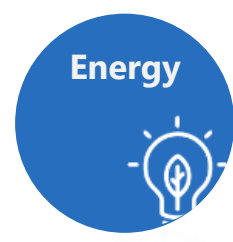


A List

*1 For NEC Corporation on a standalone basis
 *2 Actual results for the fiscal year ended March 31, 2020
 *3 As of March 31, 2020
 *4 Ratio of employees returning to work who started childcare leave in fiscal 2018
 *5 Based on the Act on Employment Promotion etc. of Persons with Disabilities as of June 1, 2020
 *6 Ranked 1st five times in benchmark testing held by the U.S. National Institute of Standards and Technology (NIST)
 *7 Ranked 1st eight times in benchmark testing sponsored by NIST
 *8 Ranked 1st in benchmark testing sponsored by NIST



City OS = digital platform making data more valuable and enabling creation of new data driven smart services for people.



People

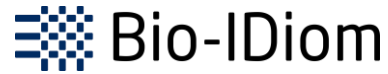
NEC City OS

Artificial Intelligence



Data Analytics

Biometrics



Authentication

Identity Connect

NEC Smart Connectivity

ID Management

Full Layer Security

Open API (NGSI)

Data Brokerage Platform

Smart City Data Platform



Personal Data Platform

Consent Management (Opt-in)

Distributed Data

Centralised Data

Blocks of open and standard technology for data management and your choice of cutting-edge technology.

NEC City OS - Success Cases



Thiruvananthapuram, India
City Management



Cordoba Region, Spain
Shared Smart City Platform



Santander, Spain
Smart Waste Management



Murcia, Spain
**5G Campus Network &
Data Analytics Infrastructure**



Takamatsu, Japan
Disaster Management



Toyama, Japan
Open Data Innovation

NEC City OS

Key Success Case

Lisbon, Intelligent Management Platform

Integrated
Operation
Centre

- Incident Management
- Environment monitoring

for **Better
Public Services**

Citizen
Mobile
Application

- Covid-19 Information
- Parking / Traffic Information

for **Better
People's Life**

Open API
For
Innovation

- Collaboration with academia
and private sector
- New data driven services

for **Economical
Growth**

NEC
City OS
200+
Datasets

More
to
come

Orchestrating 200+ datasets at NEC City OS, Lisbon is becoming a data driven city.

Thank you very much

\Orchestrating a brighter world

NEC