

# HORIBA history in contribution of environment improvement

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HORIBA

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# **Personal Introduction**



#### Affiliation, Job Title

Assistant Section Leader, Process & Environmental Systems

My favorite

Team, International Sales Dept, Horiba, Itd.

#### Work record

2008 Osaka sales office

2009-2014 Tokyo sales office

2015-2016 Bangalore office

XAn overseas training student

2016- International Sales office

#### My Challenge

Contributed to improvement of India environment by providing our solution and experience.



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# **Corporate Overview**

Headquarters

**Business Content** 

**Establishment** 

**Worldwide Employees** 

Sales Amount

**R&D Investment** 

**HORIBA Ltd.**, (Kyoto, Japan)

**Manufacture and Sale of Analysis** 

and Measurement Technologies

**October 17, 1945** 

8,288

1,827 MUSD (200.2 BJPY) (FY 2019)

8.1% of Net Sales (FY 2019)



Atsushi Horiba Chairman & Group CEO

# Five Business Segments & Major Products

Figures are the sales composition ratio for FY 2019





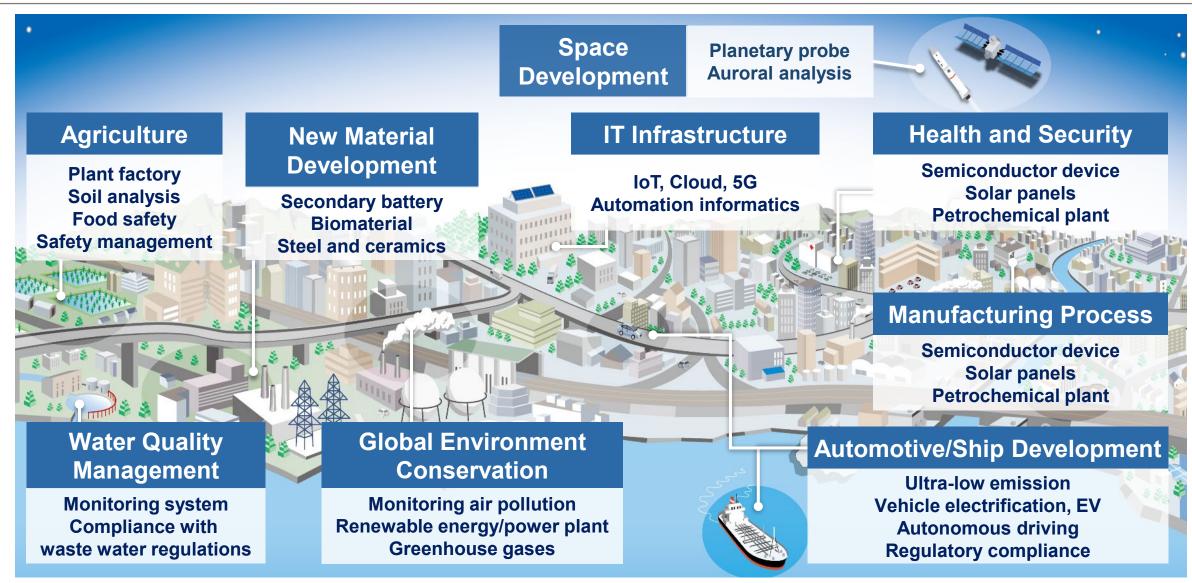




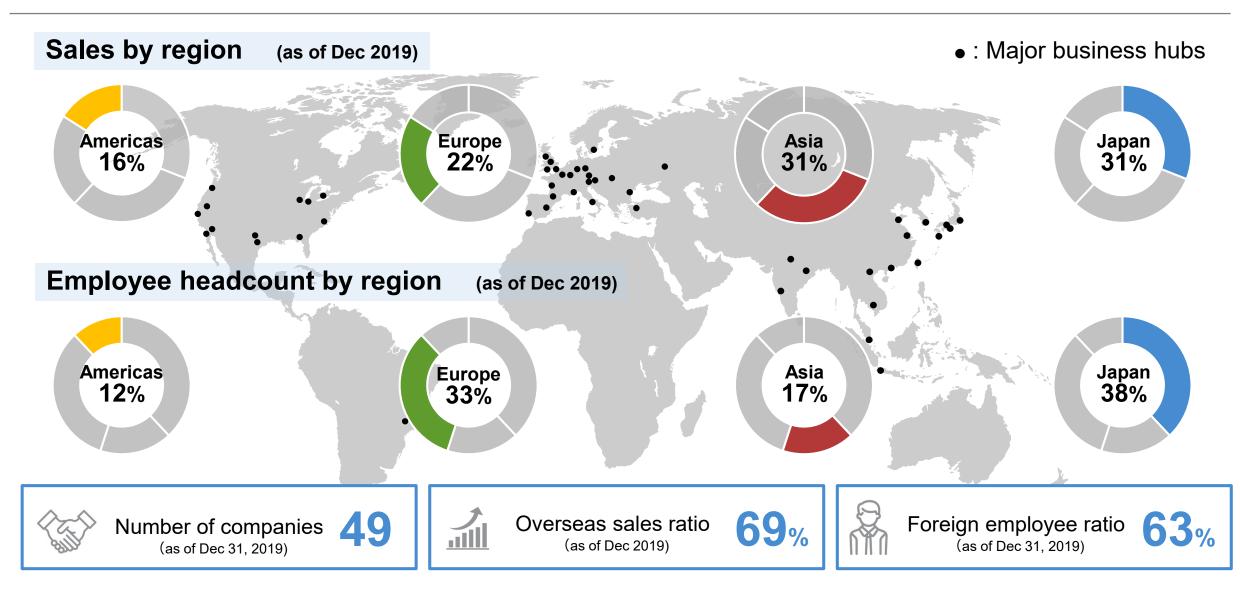


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# **HORIBA's Business Domain**



# **Global Network**

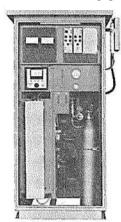


# **HORIBA** Contribution in Japanese Blue Sky

ESDA-1 (1st product)



**ENDA-200** 



Decided to utilize NDIR technic.

**ENDA-800** 



Advanced stack gas analyzer with low detectable measurement technic

SO2 0-100ppm NOx 0-20ppm





1969

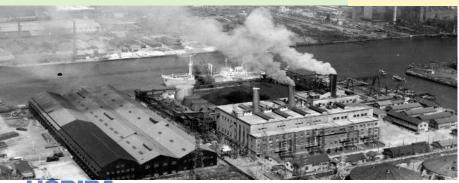
Establishment of environmental Establishment of environmental standard of sulfur oxides

1973

standard of nitrogen and oxidant

40 years later



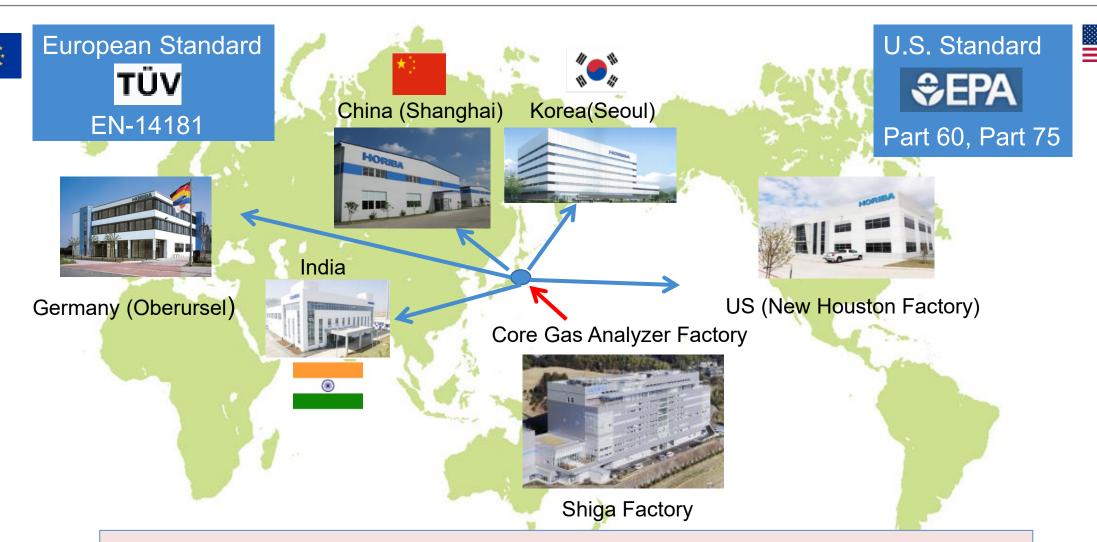


1980

Low emission control of nitrogen oxides and sulfur oxides was required at power plant



# HORIBA Global Capability to meet local environment guideline

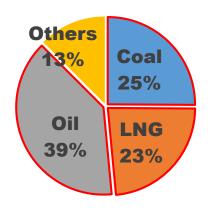


Sold 2,000 units of stack gas analyzer to World Wide



# **HORIBA Support in New Coal Fired Power Plants**

Composition of Power source in Japan



Japan has been dependent on fossil fuel by 87.4 % in 2017

Source of the above data is agency for Natural Resources and Energy

IGCC (Integrated Coal Gasification Combined Cycle)
IGFC (Integrated Coal Gasification Fuel Cell Combined Cycle)

→Contribution of CO2 Reduction

