

HORIBA India



HORIBA Introduction

Kunal Soni

Head- Environment Business,
India & SAARC
HORIBA India Pvt. Ltd.

The Beginning of HORIBA

80 Years Legacy Since Yr 1945 for Radio Laboratory

October 1945

Masao Horiba, a student entrepreneur, founded **HORIBA RADIO LABORATORY**

March 1950

Pioneered the first made-in-Japan **glass electrode pH meters**

January 1953

HORIBA, LTD. was established



In front of **HORIBA RADIO LABORATORY**



The first made-in-Japan **glass electrode pH meters**

The HORIBA Group

- **Line of Business** R&D, Manufacturing, Sales, Services of analysis and measurement equipment
- **Head Office** Kyoto, Japan
- **Founded** October 17, 1945
- **Incorporated** January 26, 1953
- **Net sales** 290.5 BJPY (FY2023)
- **Number of Employees** 8,665 (FY2023)
- **Chairman & Group CEO** Atsushi Horiba
- **Fiscal Year End** December 31



Atsushi Horiba

HORIBA Facilities Across The Globe *27countries, 50group companies*



Nuneaton, UK



Northampton, UK



Aso, Japan



Fukuchiyama, Japan



Kyoto, Japan



Kyoto, Japan



Kyoto, Japan



Otsu, Japan



Darmstadt, Germany



Barleben, Germany



Lille, France



Paris Saclay, France



Montpellier, France



Haridwar, India



Pune, India



Shanghai, China



Yongjin, Korea



Nagpur, India



Hsinchu, Taiwan



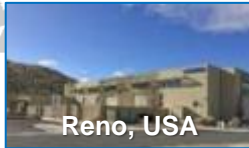
Anyang, Korea



Canton, USA



Ann Arbor, USA



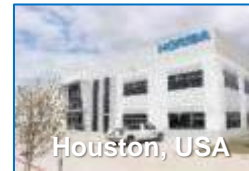
Reno, USA



Piscataway, USA



Irvine, USA



Houston, USA



Sunnyvale, USA

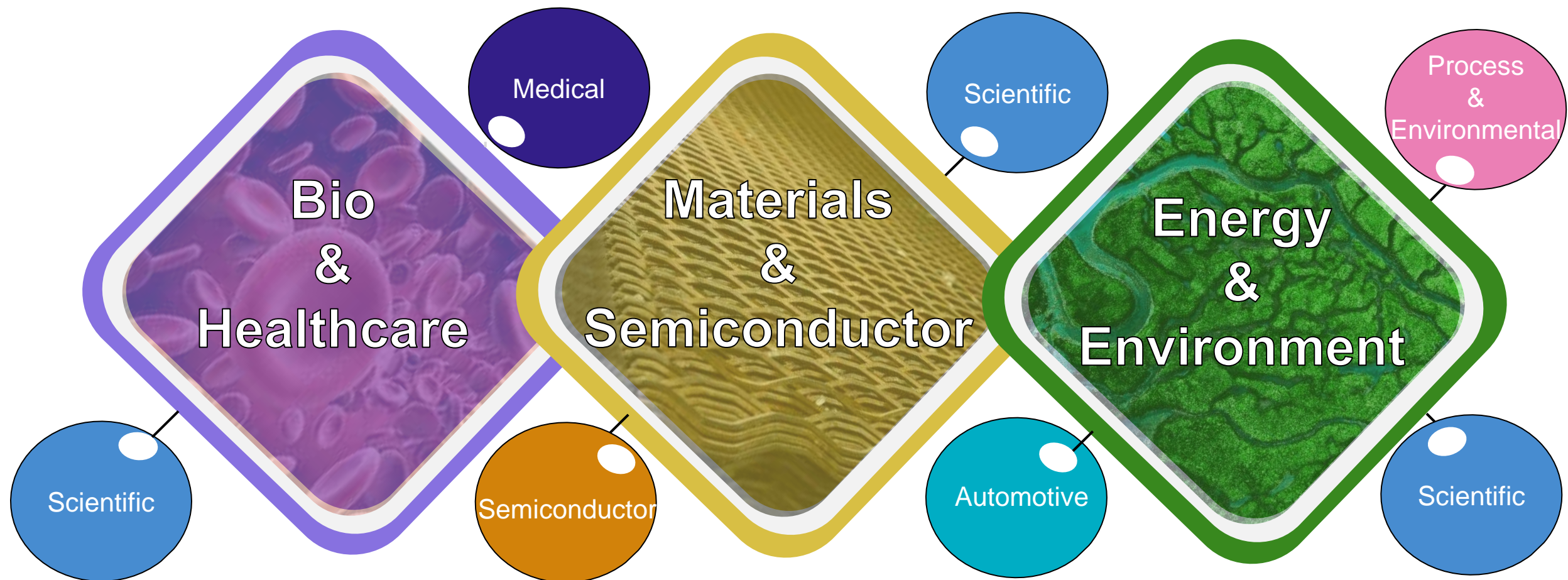


Sao Paulo, Brazil



● Production
● R&D

One-Stop Solution Provider to Key Industry Mega Trends



One HORIBA, One Company!

Supporting the Socio-economic Development of the Society

HORIBA India Evolution Over a 18 Years

2006-2007

2006: Sept-Incorporation
Oct- Delhi Office
2007: May-end of Modi contract
Aug- Pune office

2011-2013

2011: Current Delhi office
2013: Mar-Chennai Office
Oct- Automotive Workshop in Pune



2016-2017

2016: HITC Inauguration



2009-2010

2009: Aug- Bangalore Office
Sep- NATRiP Project
2010

2014-2015

2015: Mar- Land registration for HITC
Dec- Maruti Suzuki order of 10 Lab Utility

2018-2024~

2018: IPE & Water Manufacturing
2019: VTC Inauguration in HITC
2020: Chassis and Engine Dyno Manufacturing
2020: SPCS PN Calibration
2021: E Motor Upgrade
2021: FTIR Lab
2021 : RDE+ Implementation
2022: OBS Cal Lab
2022; Flow Calibration
2023- H2 ICE



New Delhi

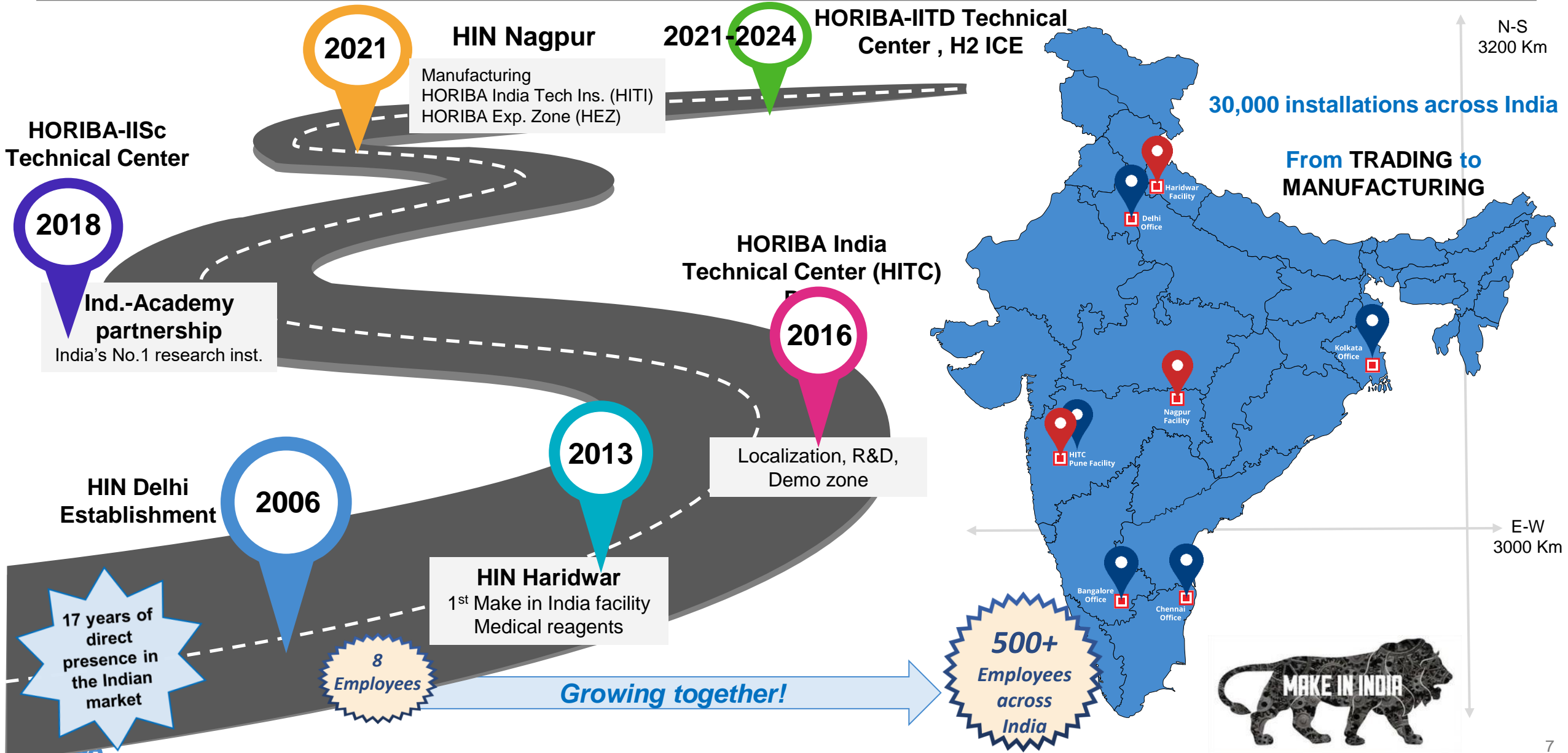
Pune

NATRIP					
Driving India Into The Future					
NATIONAL AUTOMOTIVE TESTING AND R&D INFRASTRUCTURE PROJECT					
INTERNATIONAL COMPETITIVE BIDDING					
NATRIP Implementation Society (NATIS), an autonomous body under Ministry of Heavy Industries and Public Enterprises, Govt. of India, hereby invites sealed tenders in two bids system for the following works comprising design, manufacture, supply, installation, and commissioning as turnkey projects under NATRIP. The tender documents can be downloaded from NATIS website www.natris.in by online payment through credit/debit card or it can be purchased in the form of CD, directly from the Corporate Office of NATIS, through Demand Draft, in favour of "NATRIP Implementation Society", payable at New Delhi.					
Name of the tender	Tender No.	Cost of TO (INR)	Period of sale (INR)	EMD (INR)	D.O.S.
Emission Analysis System	NAT/TEO/PWT3/09/104	25,00L	18.03.09-25.03.09	15 M	13-04-09
Crash facility Core	NAT/TEO/PA5S309/107	25,000	12.03.09-27.03.09	7.5 M	05-05-09

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e-mail: business@horiba.in, Website: www.horiba.in



Direct HIN footprints in India since 2006



Medical Diagnostics Factory – I @ Haridwar (2013)



Clinical Chemistry Reagents Manufacturing Facility



Supporting the GOI initiative of 'Atmanirbhar Bharat' and 'Make in India'

Medical Diagnostics Factory – II @ Nagpur (2021)



Diagnostic Reagent and Medical Instrument Manuf. facility



**ISO 9001:2015 / ISO 13485:2016 / ISO 14001:2015/
ISO45001:2018/CE Certified**

- ❖ *International Training Centre*
- ❖ *Central warehouse*
- ❖ *Equipment manufacturing*
- ❖ *HORIBA India Technical Institute*
- ❖ *Medical Instrument Refurbishment, Calibration and testing center*



**HORIBA INDIA
TECHNICAL INSTITUTE**
A STEP TOWARDS EDUCATIONAL EXCELLENCE

HORIBA Technical Center, Pune

Local Manufacturing Engineering Capability

Customers “See, Feel, Experience”
HORIBA Solutions

Collaboration With Customers

Customers “Support Enhancement”



Local Assembly ENDA/OPSA



Mobile AAQMS



Fixed AAQMS



Water Analyser

(skill development)

Certifications :

- ISO 9001:2015 (2018, 2020)
- ISO 14001:2015 (2018, 2020)
- ISO 45001:2018 (2018, 2020)
- ISO 17025: 2017 (2018, 2020)
- TISAX/ISO 27001 (2021) For Data Security

Testing

Training

Local Capability Development for “Total HORIBA Solution”

Manufacturing

Calibration

India Install Base 10,000+

Combustion: 500+



**Stack Gas Monitor
ENDA 5000**



**Portable Gas Analyzer
PG-300**



**Process Gas Analyzer
VA-5000**

Ambient: 4000+



**Ambient Monitor
AP-370**



Measuring Van



**Continuous
Particulate
Monitor
with XRF**

Water: 6000+



**OPSA,
BOD/COD/TSS**



U-50

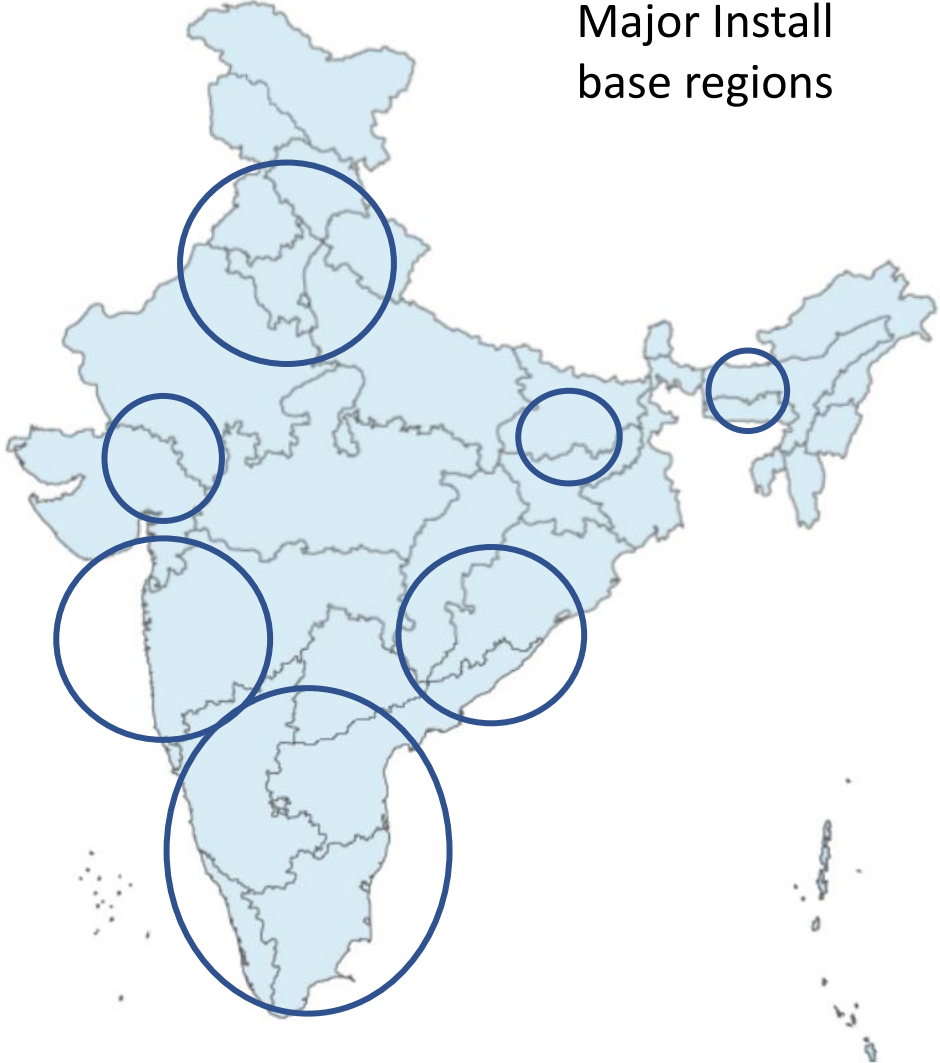


**H-1 Online
Water**



**Oil-In-Water,
OCMA**

Major Install base regions



HIN E&E Vision

“Reliable Partner by Offering Maximum Solution to Customers to Achieve their Sustainability & Carbon Neutral Goals”

Target Categories

Hydrogen
Energy

Power
Generation
& Energy
Storage

Fuel Cells/
Battery

Next-
Generation
Mobility

Connected

Water
Quality

Air
Quality

Business Explanation- Environment



Combustion



Ambient



Water



HORIBA –Industrial Process and Environmental Product

Ambient Air quality

PM and element monitor



Air Quality monitor
AP-370



Ambient PM and
metal monitor PX-375



AMC Monitoring
System



Fixed AQMS



Mobile AQMS

Combustion control monitor

Emission monitoring

Lasser Gas analyzer

Portable gas analyzer



Emission gas monitor
ENDA-5000

New Product



Tunable Laser Gas
Analyzer TX-100



Portable gas analyzer
PG-300

Process gas analyzer

Trace gas analyzer

Raman Gas analyzer



Ex-proof gas analyzer
51 Series



Multi Gas Analyzer
VA-5000



Trace Gas Analyzer
GA-370 Series



Process Laser Gas
Analyzer PLGA-1000



Process Raman
Analyzer

New Product

HORIBA Water Monitoring Parameters

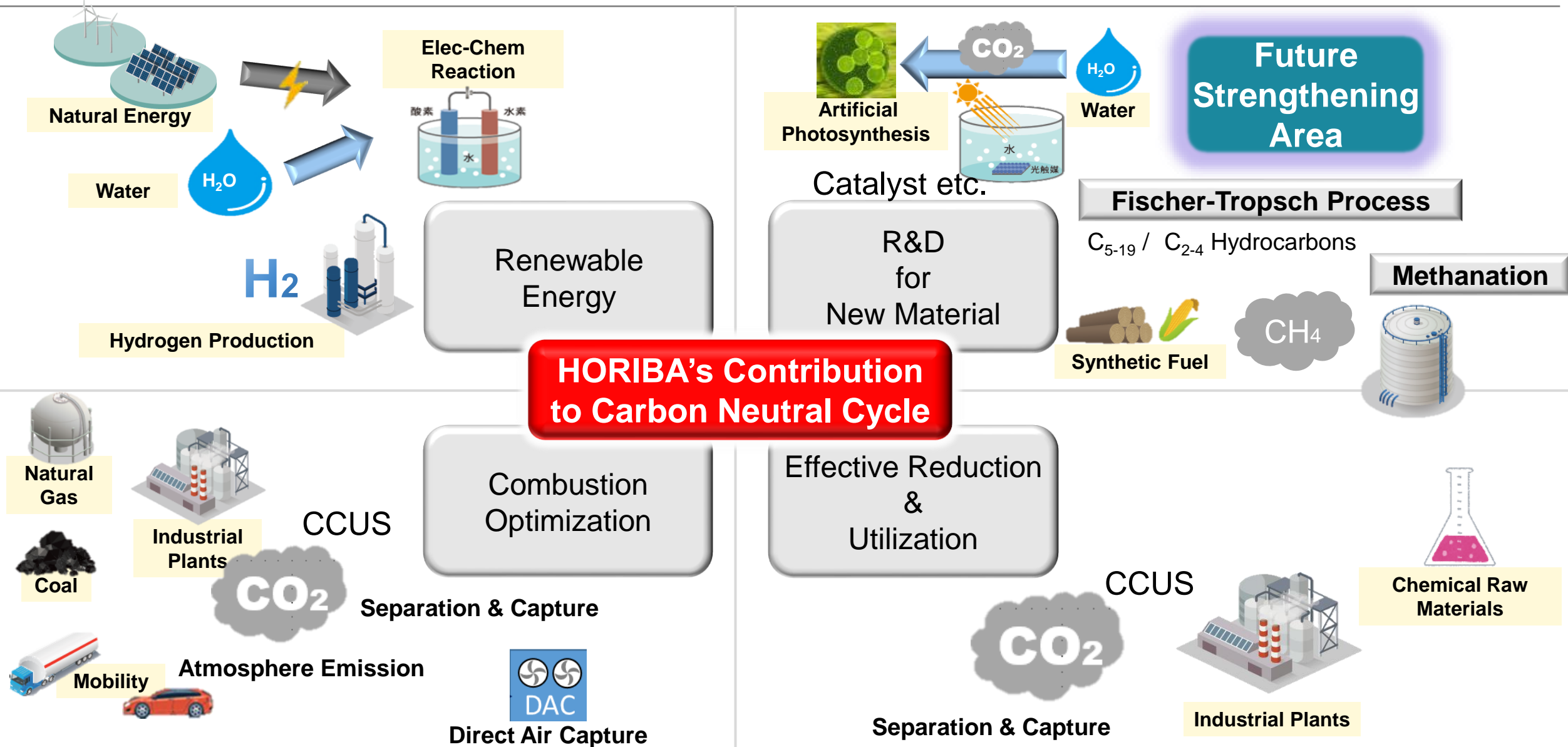
HORIBA One-stop & complete solution for Water Products



- Cr VI** Chromium
- SiO₂** Silica
- NO₃** Nitrate
- H₂S** Hydrogen Sulfide
- COLOR** COLOR
- COD** COD
- OIL** OIL
- TN** Total Nitrogen
- TP** Total Phosphorus
- Al** Aluminium

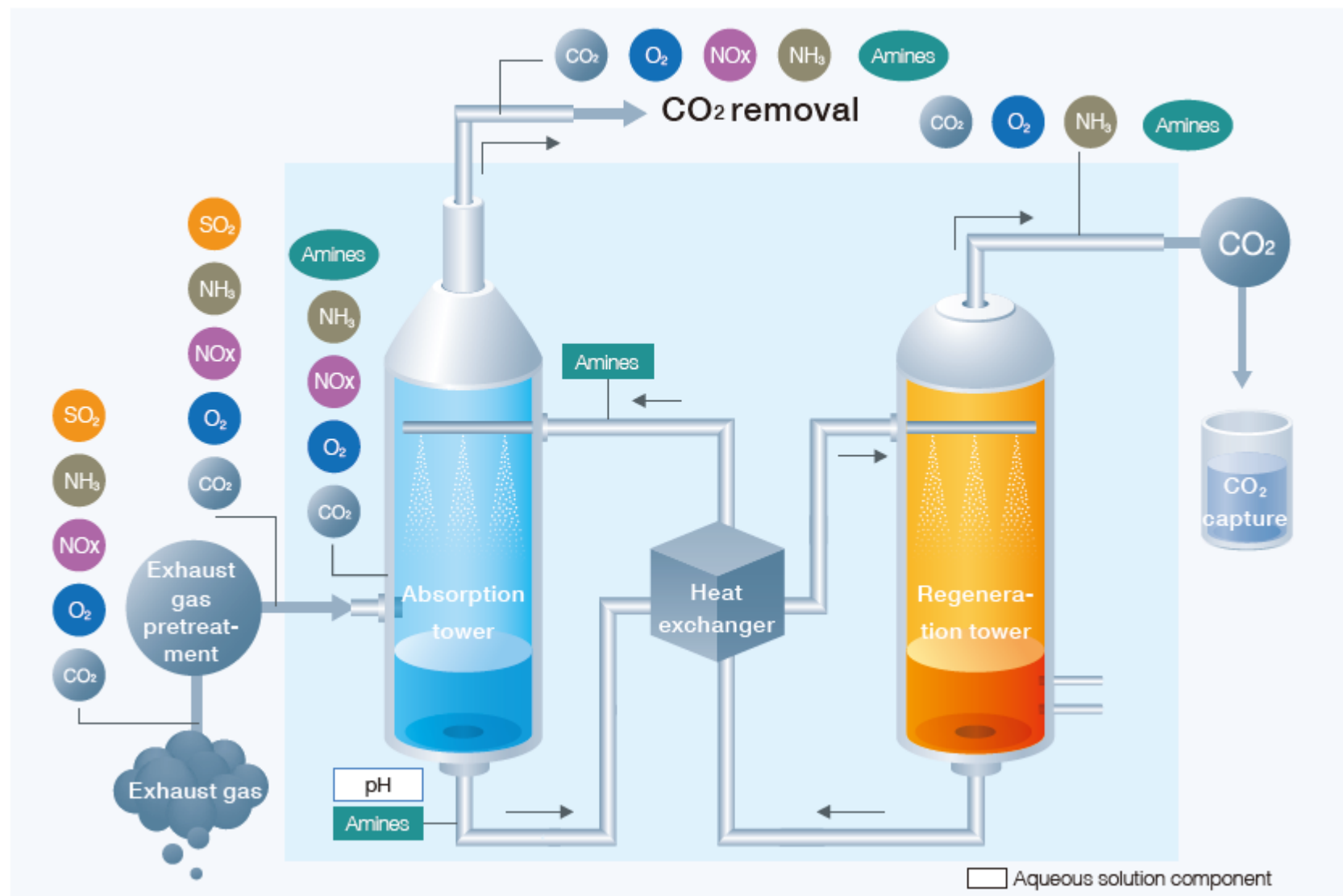
- pH** pH
- ORP** ORP
- DO** Dissolved Oxygen
- NH₃** Ammonia
- COND** Conductivity
- TURB** Turbidity
- MLSS** Mixed Liquid Suspended Solid
- SL** Sludge Level
- Fe** Iron
- RC** Residual Chlorine

Keywords for Carbon Neutral Realization



CCS Plant Inquiry

Chemical Absorption (Amine)



Gas Measurement Solutions

High concentration gas measurement

Multi-component
Gas Analyzer
VA-5000 Series



Stack Gas
Analysis System
ENDA Series



Low concentration gas measurement

Trace Gas
Monitor
GA-370



Ambient NO_x
Monitor
APNA-370



*Contact us for the combination of gas components to be measured and equipment.

Amine Solution Measurement Solution

Field-installation Type
pH / Conductivity
Meter
H-1 Series



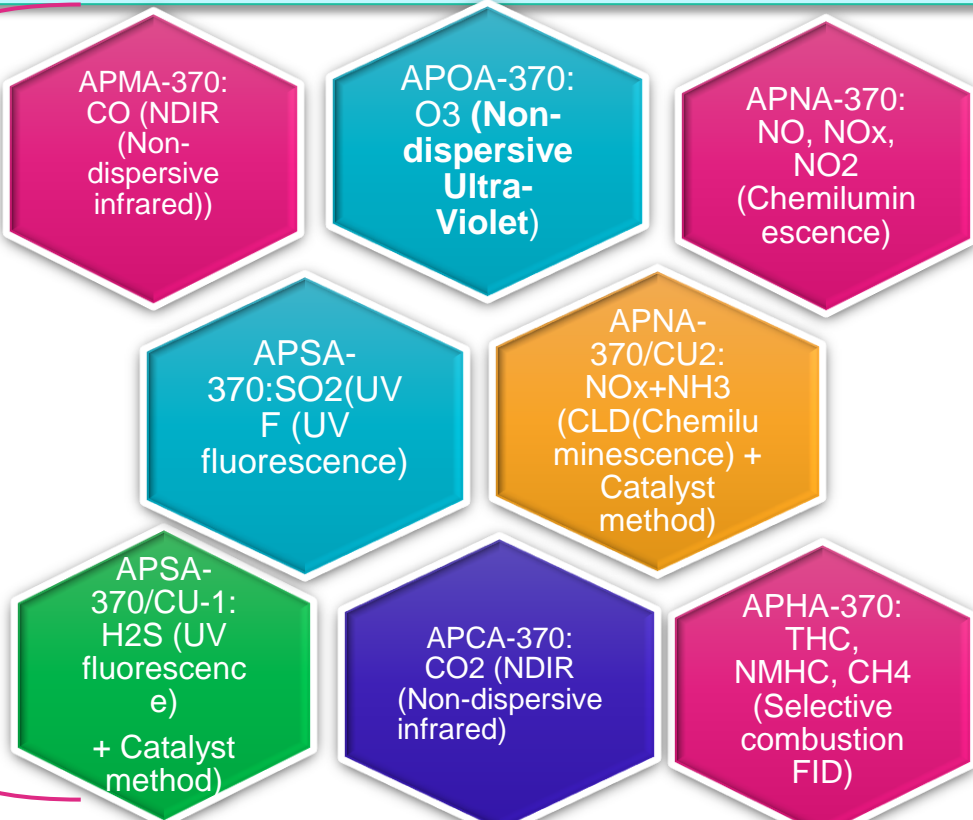
Process Raman
Systems



Ambient Air Quality Monitoring System

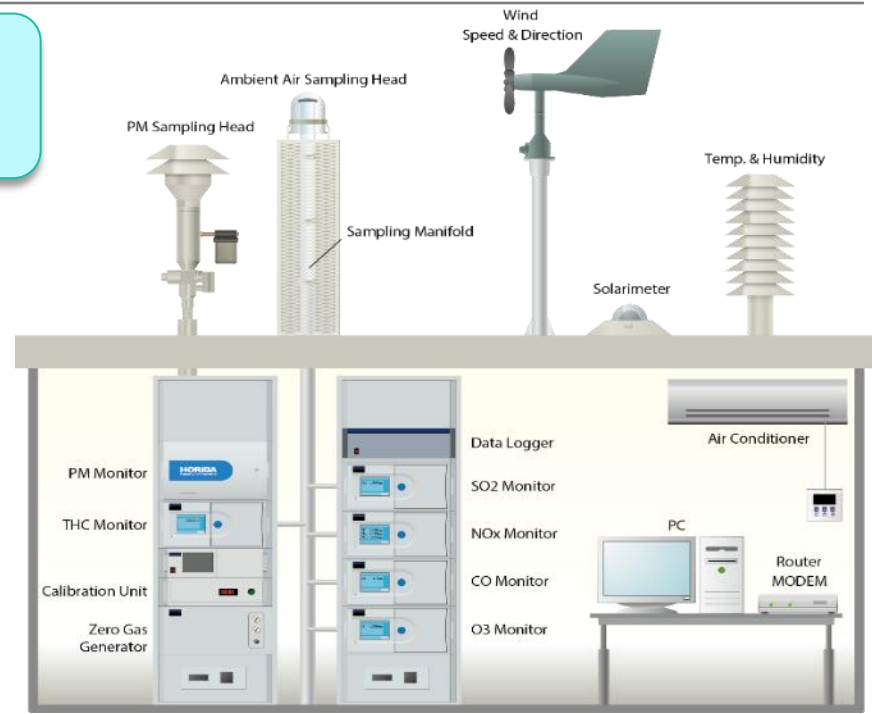
Excellent sensitivity and field-proven reliability of HORIBA analyzers for air quality monitoring and pollution source apportionment.

AP-370 Series



Continuous Ambient Metals and Mass Monitor PX-375

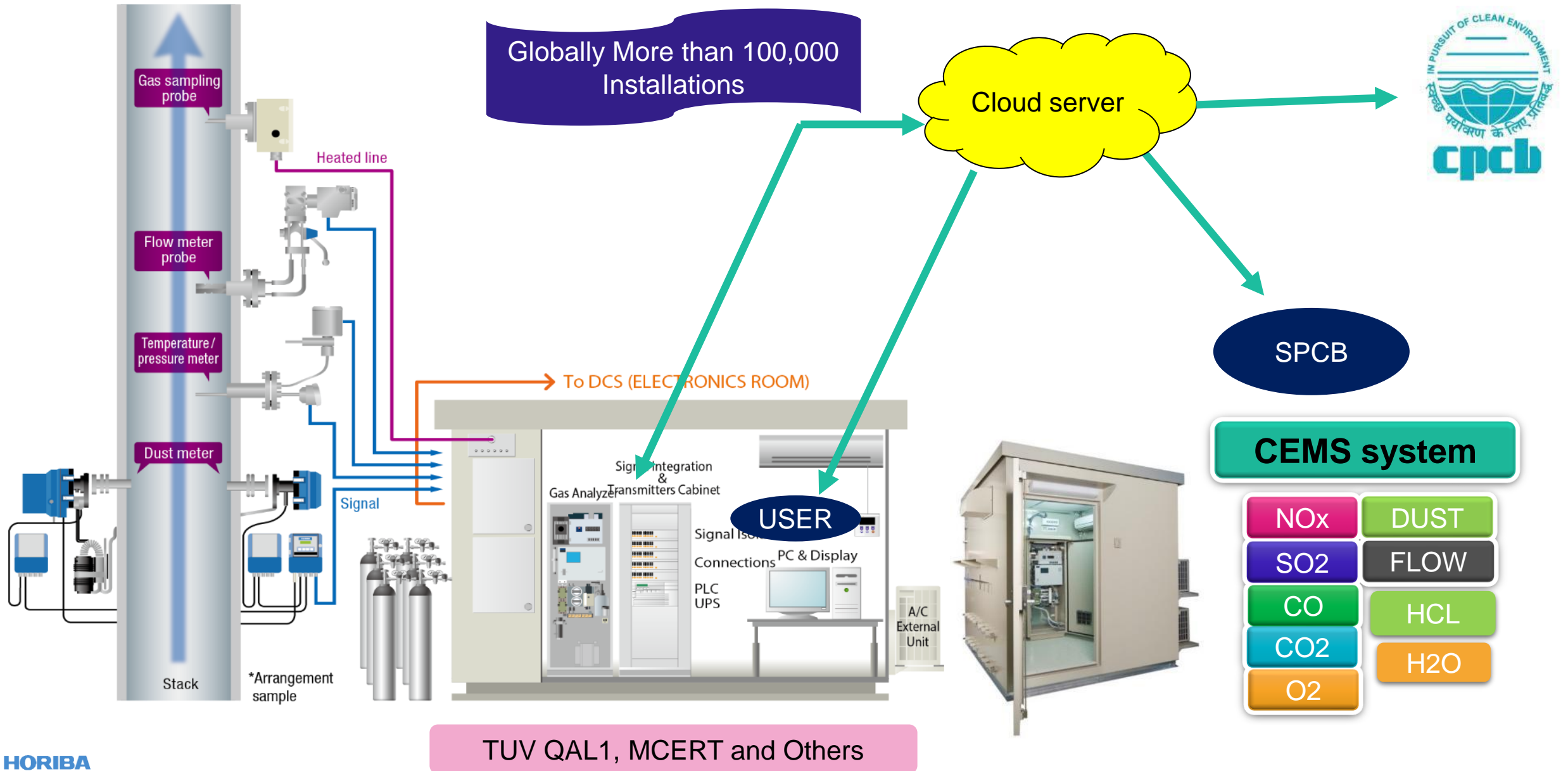
TSP/PM2.5/PM10, 32 elements, Black Particle
B-ray attenuation+EDXRF+Camera Image Processing



Fixed AQMS Mobile AQMS

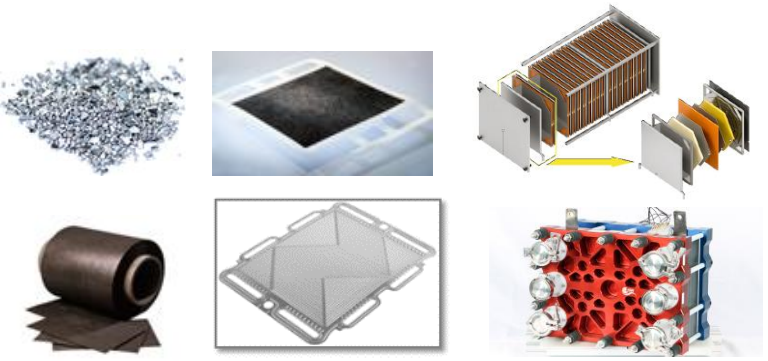


CEMS –Continues Emission Monitoring System



Solutions covering all hydrogen value chain

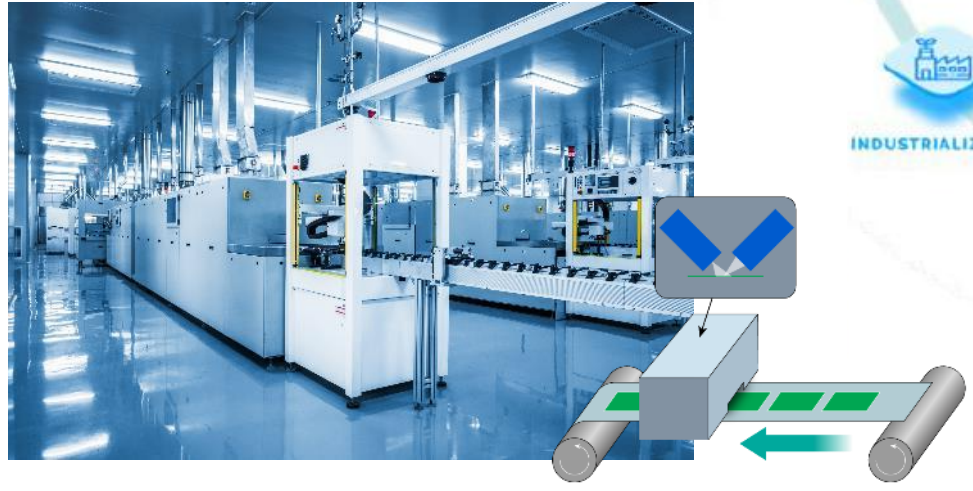
Research and Development on Materials



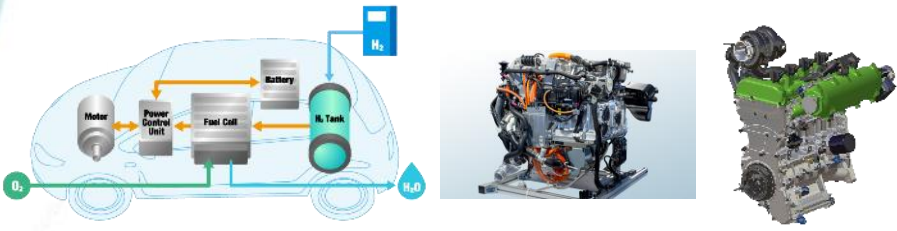
Gas Management



Manufacturing Process Control



Solutions for Testing



Engineering and Consultancy



Omoshiro-okashiku
Joy and Fun



Thank you in various languages:

- Danke
- Grazie
- Tack ska du ha
- Gracias
- Terima kasih
- 謝謝
- Σας ευχαριστώ πάρα πολύ
- धन्यवाद
- شُكْرًا
- ขอบคุณครับ
- Большое спасибо
- ありがとうございます
- Cảm ơn
- Merci
- 감사합니다
- Obrigado

THANK YOU

HORIBA