



Presentation on Air Pollution Control Measures in India

HORIBA India Private Limited
Process & Environmental Systems
National Sales Manager
Kunal Soni

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Overview

■ Line of Business	Manufacturing, Sales, Services of analysis and measurement equipment
■ Head Office	Kyoto, Japan
■ Founded	October 17, 1945
■ Incorporated	January 26, 1953
■ Net sales	187.0 BJPY (FY2020)
■ Number of Employees	8,269 (FY2020)
■ Chairman & Group CEO	Atsushi Horiba
■ Fiscal Year End	December 31 st



Atsushi Horiba

Five Business Segments & Major Products

Figures are the sales composition ratio for FY 2020

Automotive (34%)



Emission Measurement Systems



Process & Environmental (10%)



Stack Gas Analyzers



Medical (11%)



Hematology and CRP Analyzer



Semiconductor (31%)



Mass Flow Controllers



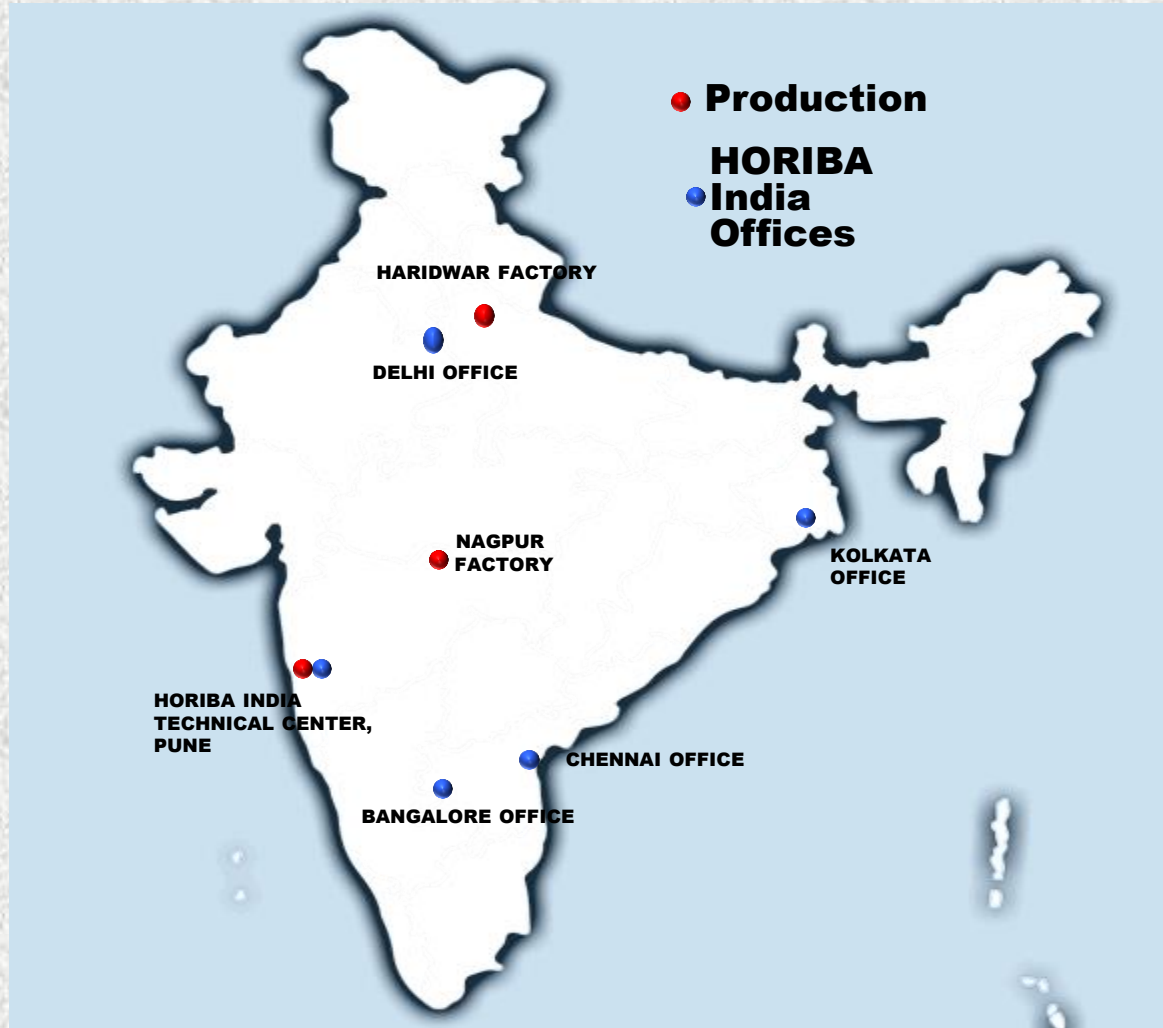
Scientific (14%)



Raman Imaging Device



HORIBA India Offices



HIN Delhi (Head Office):
Warehouse, Administrative Office

HIN Haridwar:
Medical Reagent Production Facility

HORIBA INDIA TECHNICAL CENTER, Pune:
Automotive Testing Facility, Automotive Production, P&E Production, Semiconductor Lab

HIN Nagpur:
Medical Reagent & Instrument Factory
Medical Refurbishment
Centralized Warehouse
International Training Center
Horiba India Technical Institute (HITI)

HORIBA India Technical Center, Pune



Calibration Lab, HITC, Pune



Vehicle Test Cell, HITC, Pune

***Certification and Accreditations for Engine Testing,
Vehicle Testing, Automotive Test Systems Design,
and Manufacturing at HITC Pune***



Engine Test Bench, HITC, Pune

**ISO9001:2015 for QMS
ISO14001:2015 for EMS
ISO 45001:2018 for
OASMS
NABL ISO IEC
17025:2005**



CEMS Gas Analysis Manufacturing, HITC, Pune

Process & Environmental

HORIBA Contributes to provide better technology to monitor AIR QUALITY.

HORIBA provides total solutions for measurements in global environment conservation and industrial processes, ensuring safety and security and supporting health and life.



© Major Products and Service



Stack Gas Analyzer



Portable Multi-Gas Analyzer



AAQMS- Fixed Type



Continuous Particulate Monitor with X-ray Fluorescence

© Major Customers

Electric power companies



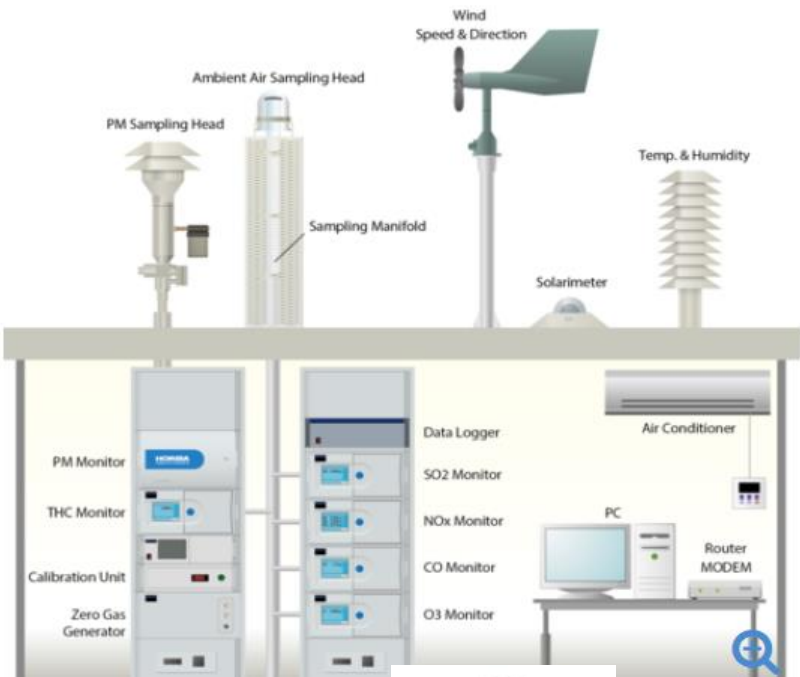
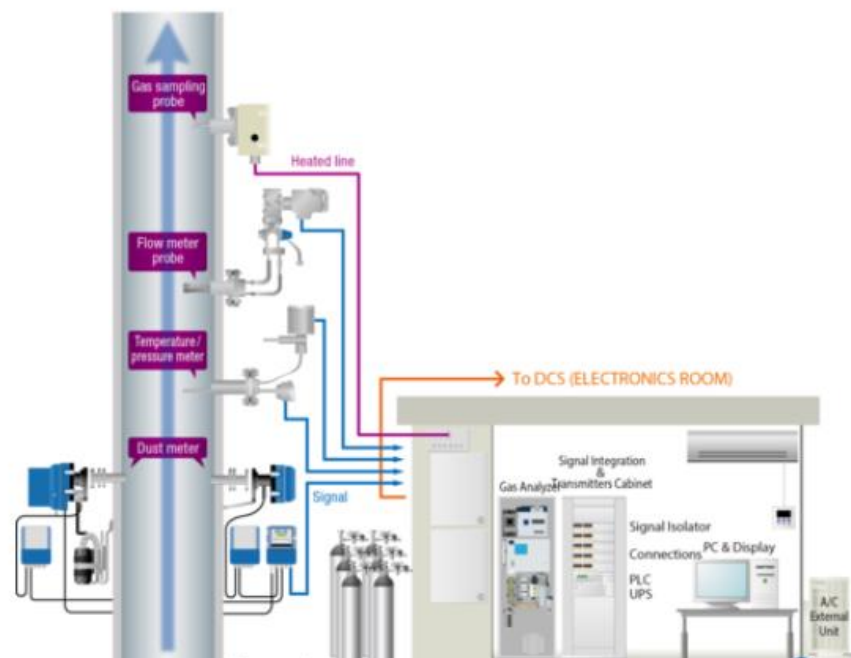
Government agencies



© Product Applications

Measurement in manufacturing processes, waste water and exhaust gas measurement, investigation of environmental pollutants

Air Pollution Monitoring Solution



Stack Gas Analyzers- Online and Portable



Ambient Analyzers- Gas parameters, PM 2.5,10, Elemental Analysis.

Projects for CEMS and WQMS

Products



Solution
Provider

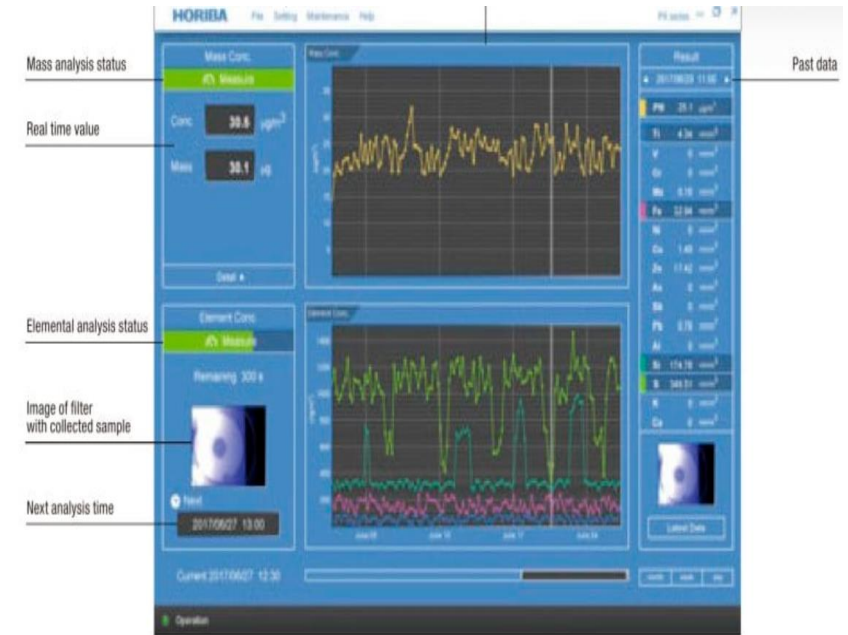


- Major Projects for Real time CEMS to monitor various gas parameters.
- Major supply includes NTPC and Overseas projects.
- In-house capability of Designing, Engineering, Production and Testing in HITC, Pune.
- WQMS supplied to monitor real time industrial effluent parameters.

Bangladesh MAAQMS Project

Products

Solution
Provider



- Mobile AAQMS Project in Bangladesh.
- PX Real time Elemental analysis system will help for source apportionment studies.
- Design, Engineering and execution by HIN with local SI for container.
- Installed with SO₂, NO_x, CO, PX with PM_{2.5}, PM₁₀, Calibrator etc.

Fixed AAQMS- 35 Stations in UP, India

Products



Solution
Provider



- 35 Stations of Fixed AAQMS for UP state in India for Real time Air pollution Monitoring as per CPCB regulations.
- Real time monitoring includes: SO₂, NO_x, CO, NH₃, O₃, PM_{2.5}, PM₁₀, BTEX, Calibrator etc.
- Execution by our Partner- SWAN Technical

Omoshiro-okashiku
Joy and Fun

おもしろ可笑

THANK YOU

Terima kasih
谢谢
Gracias
Σας ευχαριστώ πάρα πολύ
धन्यवाद
شُكْرًا
Danke
Tack ska du ha
Grazie
ขอบคุณครับ
Большое спасибо
Cảm ơn
감사합니다
Dziękuję
Obbrigado
Merci
ありがとうございました