

Experiences on Environmental Pollutant Improvement in Japan and China cooperation

Japan Environmental Technology Association

Chairman, Overseas Committee

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JETA History

1979 : Japan Environmental Technology Association was established

1989 : A permit was granted by the Environment Agency to found a public corporation

1st April, 2011: A permit was granted by the Public Interest Corporation Commission (PICC) to shift to a Public-Service Corporation (PSC)

JETA Activity

- Propose Monitoring method for Waste Water and Gas regulation
- Maintenance training for environmental measuring technology
- Approval test for engineer of Ambient Monitoring System
- Proposal Japanese Monitoring Technology to Asian Country




JETA Members Companies

1. Environmental Monitoring Maker: 11



2. Environmental Monitoring Maintenance Companies : 22

Environmental Pollutant Improvement in Japan and China

	Japan	China
History	<p>1961~: Yokkaichi Asthma</p> <div data-bbox="430 411 792 621">  </div> <div data-bbox="868 411 1210 621">  </div>	<p>2011~: PM2.5</p> <div data-bbox="1482 379 2053 621">  </div>
Improvement Key	Self-management by each Factory	Strengthening environmental management by government
	<p>1968 Environmental Protection Regulation</p> <p>1969~ SOx、CO</p> <p>1972~ Dust</p> <p>1973~ NOx, O3</p> <p>2006~ VOC</p>	<p>2006- : Tightening environmental Regulations</p> <p>2016- : Strict environmental regulations by each ministry</p>
COVID-19	Self-management	Government Lead

China-Japan Environmental Cooperation



Local Government Cooperation
▪ VOC ▪ Monitoring ▪ Auto mobile

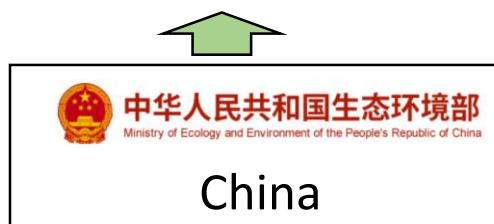
Central Government Cooperation
▪ Power Plant ▪ VOC ▪ Monitoring Standard



- Technical Seminar
- Proposal monitoring measurement method based on Japanese experience

Technical Cooperation Plat Form
China: The Sino-Japan Friendship Center for Environmental Protection
Japan: IGES

IGES and JETA had Environmental Corporation with Chinese Government



2019年9月3日~4日



2018年7月19日



2018年6月10日

Chinese Environmental Regulation History



	2006-2010	2011-2015	2016-2020	2021-2025
5 years Plan	11 th	12 th	13 th	14 th
Combustion Regulation	De-SOX →	De-NOx →	For Coal Power Plant (Dust;10mg/m ³ , SO ₂ :35mg/m ³ , NO _x :50mg/m ³)	For Steel , Petro Chemical , Incinerator
Automobile Regulation (Brackets denote fuel sulfur content)	China 2 (500ppm)	China3 (150ppm)	China 4 (50ppm) China 5 (10ppm)	China 6 (10ppm)
Other			VOC Regulation	

The Majority of Electrical Production is Coal-fired Power Plant.



Chinese Environmental Regulation Business



20 years Ago

NOW

Environmental TAX: NO_x, SO₂, Dust

Environmental TAX: NO_x, SO₂, Dust, **VOC**

CEMS
(Continuous Emission
Monitoring System)

CEMS
(Continuous Emission
Monitoring System)

Power Plant & Factory
used **low price** and
not high quality analyzer.

Local Government
recommends to use
evaluated monitor

Strict evaluation
And approval test

Not good data
Maintenance trouble

Not correct Environmental TAX

Correct Environmental TAX by high quality monitoring system

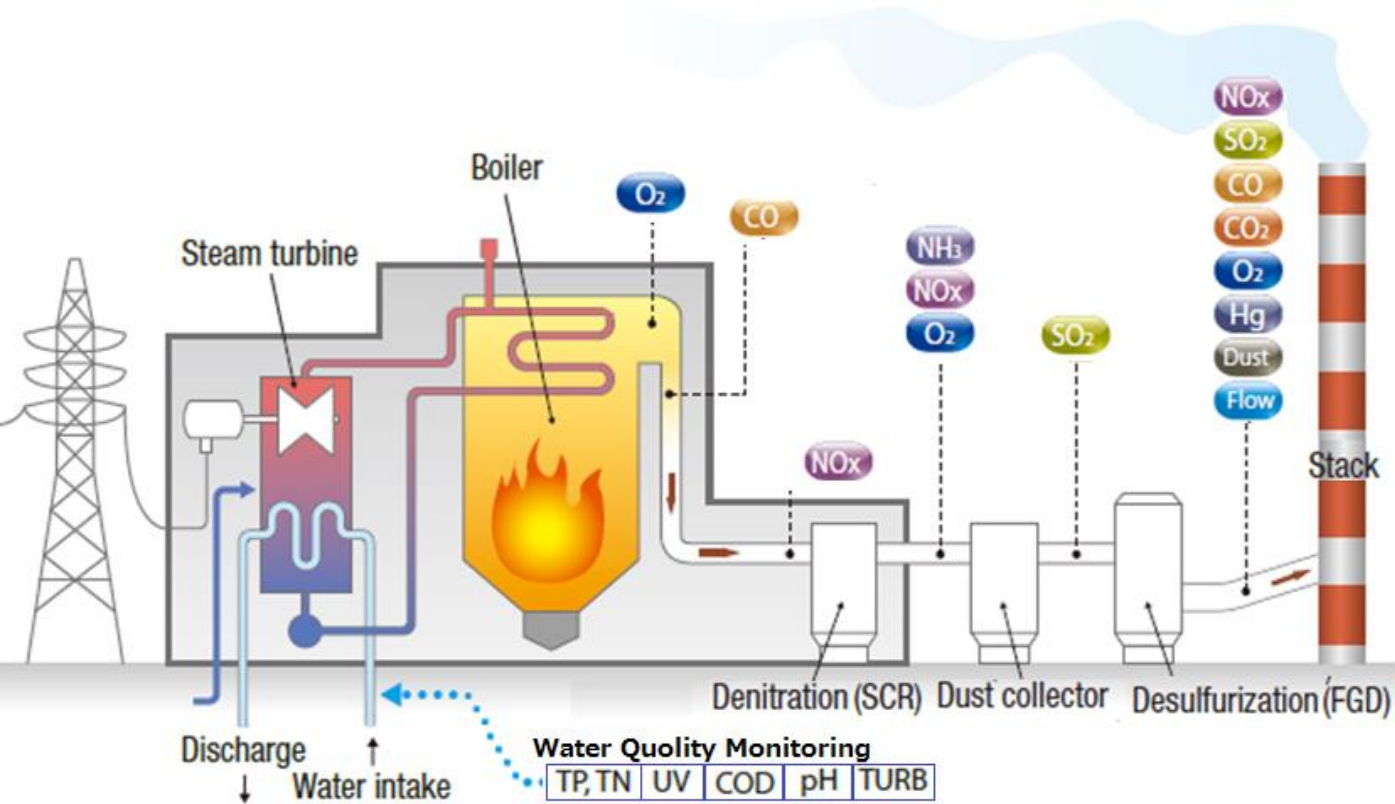
Air Pollution Problem

Claim to Government

Air Pollution Problem improvement



Stack Gas monitoring system



Japan	SOx	NOx	Dust
Isogo (new)	10ppm	13ppm	5mg/m ³ N

China	SOx	NOx	Dust
Regulation (Coal Power Plant)	35mg/m ³	50mg/m ³	10mg/m ³
	13.1 ppm	26ppm	

Japan Environmental Technology Association (JETA)

Thank you very much