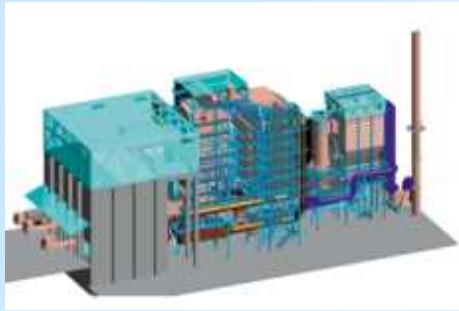


Japan's Blue Sky Initiatives



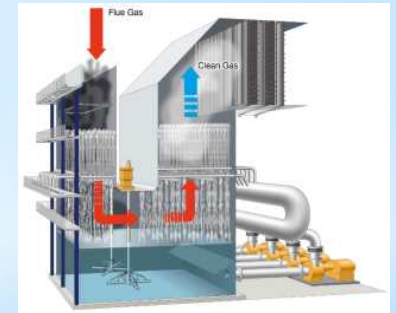
Waste Incineration Facility (Waste to Energy Plant)

Solar Pump System for Irrigation



Biomass Fuels

Environmental Equipment for Coal Thermal Power Plants



Dust Suppressants

Next Generation Vehicle



Intelligent Transport System

Smart Telecom Towers



List of Japan's Blue Sky Initiatives

Updated: August 3, 2018

	Field	Technology/ Product /Project	Company /Organization	Summary	Reference URL
1	Electric Power Generation	Environmental Equipment for Coal Thermal Power Plants	Mitsubishi Hitachi Power Systems India Pvt. Ltd.	By installing desulfurization/denitrification/dust collectors in thermal power plants, it is possible to suppress the emission of air pollutants from power generation facilities.	https://www.mhpsindia.com/
2	Dust Management	Dust Suppressants	Nitto Denko India Pvt. Ltd.	By scattering dust suppressant on roads, etc., it is possible to suppress the dispersion of PM 2.5.	https://www.nitto.com/in/en/
3	Transportation	Intelligent Transport Systems	NEC India Pvt. Ltd.	By introducing an intelligent transportation system, we can improve the efficiency of car travel and reduce the emission of air pollutants from automobiles.	http://in.nec.com/
4	Transportation	Intelligent Transport Systems	Hitachi India Pvt. Ltd.	By introducing an intelligent transportation system, we can improve the efficiency of car travel and reduce the emission of air pollutants from automobiles.	http://www.hitachi.co.jp/Div/jkk/global/its/
5	Transportation	Intelligent Transport Systems	Fujitsu India Pvt. Ltd.	By introducing an intelligent transportation system, we can improve the efficiency of car travel and reduce the emission of air pollutants from automobiles.	http://www.fujitsu.com/in/
6	Transportation	Intelligent Transport Systems	Zero-Sum ITS Solutions India Pvt. Ltd.	By introducing an intelligent transportation system, we can improve the efficiency of car travel and reduce the emission of air pollutants from automobiles.	http://zero-sum-its.co.in/ahmedabads-ashram-road-riverfront-road-turn-smart-roads-launch-intelligent-traffic-system-zero-sum-solutions-india/ http://zero-sum-its.co.in/gujarat-trumps-delhi-in-smart-traffic/

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7	Car Manufacturing	Next-Generation Vehicles	Maruti Suzuki India Ltd.	By developing, selling, and disseminating environmentally conscious next-generation cars, it is possible to more effectively control the emission of air pollutants when compared to conventional cars.	https://www.marutisuzuki.com/
8	Car Manufacturing	Next-Generation Vehicles	Toyota Kirloskar Motors Pvt. Ltd.	By developing, selling, and disseminating environmentally conscious next-generation cars, it is possible to more effectively control the emission of air pollutants when compared to conventional cars.	https://www.toyotabharat.com/
9	Car Manufacturing	Next-Generation Vehicles	Honda Cars India Ltd.	By developing, selling, and disseminating environmentally conscious next-generation cars, it is possible to more effectively control the emission of air pollutants when compared to conventional cars.	https://www.hondacarindia.com/
10	Telecommunication	Smart Telecom Towers	NEC India Pvt. Ltd.	By utilizing renewable energy (a photovoltaic power generation system) and a lithium ion secondary battery system, it is possible to reduce the emission of air pollutants from a communication tower site that previously used a diesel generator.	http://in.nec.com/
11	Agriculture	Solar Pump Systems for Irrigation	NIDEC India Pvt. Ltd.	By developing and disseminating the use of solar pump systems for irrigation that make full use of the technologies and know-how of high-efficiency motors and IoT, it is possible to reduce the emission of air pollutants from conventional diesel pumps.	http://www.nidec.com/en-IN/about/base_in01/
12	Agriculture	Biomass Fuels	Mitsubishi Heavy Industries India Pvt. Ltd.	By making effective use of ethanol and plastics in agricultural waste, it is possible to reduce the amount of agricultural waste that is incinerated by conventional burning, thus reducing the resulting emission of air pollutants.	https://www.mhiindia.com/

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13	Agriculture	Biomass Fuels	IHI Corporation	By making effective use of syngas in agricultural waste, it is possible to reduce the amount of agricultural waste that is incinerated by conventional burning, thus reducing the resulting emission of air pollutants.	https://www.ihico.jp/en/
14	Solid Waste Management	Waste incineration facility(Waste to Energy)	Hitachi Zosen India Pvt. Ltd.	By incinerating waste at a high temperature, it is possible to suppress the generation of dioxins. In addition, waste power generation also enables the reduction of energy-derived CO ₂ emissions.	http://www.hz-india.com/
15	Solid Waste Management	Waste incineration facility(Waste to Energy)	Nippon Steel & Sumikin Engineering India Pvt. Ltd.	By incinerating waste at a high temperature, it is possible to suppress the generation of dioxins. In addition, waste power generation also enables the reduction of energy-derived CO ₂ emissions.	http://www.eng.nssmc.com/english/whatwedo/wastetoenergy/wtoeplant/steinmuller_type_wtoe_system/
16	Solid Waste Management	Waste incineration facility(Waste to Energy)	JFE Engineering India Pvt. Ltd.	By incinerating waste at a high temperature, it is possible to suppress the generation of dioxins. In addition, waste power generation also enables the reduction of energy-derived CO ₂ emissions.	http://www.jfe-eng.co.jp/en/
17	Transportation	Metro (Delhi, Mumbai, Ahmedabad, Chennai, Bangalore, Kolkata)	JICA	By expanding metro ridership and promoting modal shift, we can reduce the emission of air pollutants from automobiles.	https://www.jica.go.jp/india/english/activities/activity10.html https://www.jica.go.jp/english/news/press/2013/20130918_01.html https://www.jica.go.jp/india/english/office/topics/press170331_05.html https://www.jica.go.jp/india/english/office/topics/press160304_02.html https://www.jica.go.jp/india/english/office/topics/press160429.html https://www.jica.go.jp/india/english/office/topics/press160304_01.html

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18	Transportation	Dedicated Freight Corridor Project	JICA	By expanding the transportation capacity of the dedicated freight railway system, we can improve the efficiency of logistics and reduce the emission of air pollutants from automobiles.	https://www.jica.go.jp/india/english/activities/activity11.html
19	Transportation	Hyderabad Outer Ring Road Project	JICA	By constructing the Hyderabad Outer Ring Road, we can improve the efficiency of car travel and reduce the emission of air pollutants from automobiles.	https://www.jica.go.jp/india/english/office/topics/press160715.html
20	Transportation	Intelligent Transport Systems Installation Project (Delhi, Bengaluru)	JICA	By introducing an intelligent transportation system, we can improve the efficiency of car travel and reduce the emission of air pollutants from automobiles.	https://www.jica.go.jp/india/english/activities/activity11.html http://www.in.emb-japan.go.jp/itpr_en/00_000495.html
21	Environmental Education/Enlightenment	Picture Books Through Reading Aloud Activities	JICA	By publishing picture books on environmental issues and implementing reading aloud activities using the books, we can raise awareness of environment issues, including air pollution.	https://www.jica.go.jp/india/english/office/others/c8h0vm00000112ap-att/issue35.pdf
22	Air Quality Management	Capacity Building Towards Air Quality Management	JICA	By implementing a training program on atmospheric environmental management for government officials in India, we can contribute to improving the atmospheric environmental management capacity in India.	https://www.jica.go.jp/mexico/espanol/activities/c8h0vm000001k7g1-att/J1704345.pdf https://www.jica.go.jp/activities/schemes/tr_japan/summary/lineup2017/sector/ku57pq00001zhew4-att/1784789.pdf
23	Industry	Concentrator for Volatile Organic Compounds (VOC)	Nichias Industrial Products Pvt. Ltd. (India)	By utilizing equipment that concentrates the VOC in exhaust gas and improving the efficiency of VOC processing, we can reduce the concentration of air pollutants in the atmosphere.	http://www.nichias.co.jp/

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24	Industry	Equipment for the Treatment of Volatile Organic Compounds (VOC) in Emissions, Equipment for the Recovery of Solvents	TOYOBO India Pvt. Ltd.	By utilizing equipment that concentrates and collects VOC in exhaust gas and improving the efficiency of VOC processing, we can reduce the concentration of air pollutants in the atmosphere.	http://acp.toyobo.co.jp/index.html http://www.toyobo-global.com/seihin/ac/filter/k-filter/ http://www.toyobo-global.com/seihin/ac/filter/voc/
25	Electric Power Generation	Polyphenylene Sulfide (PPS) Microfiber for Filter Bags Used in Coal-fired Power Plants	Toray International India Pvt. Ltd.	By using filter bags made of PPS microfiber in dust-collecting equipment, we can suppress the emission of air pollutants from power generation facilities.	http://www.toray.com/products/fibers/fib_0080.html
26	Housing/Transportation	Material for the Photocatalytic Removal of NOx	Ishihara Sangyo Kaisha, Ltd.	By blending a photocatalyst, TiO2 powder, into cement and coating it onto the surface of roads and walls, we can reduce the concentration of NOx in air by fixing the pollutant via photocatalytic action.	http://www.iskweb.co.jp/eng/index.html
27	Logistics	Rail Freight Transport	Joshi Konoike Transport & Infrastructure Pvt. Ltd. (Konoike Transport Co., Ltd.)	By enabling a modal shift in domestic cargo transport in India from trucks to railways that are capable of mass transportation and improving transport efficiency, we can reduce the emission of air pollutants.	http://www.trac1.in/ https://www.konoike.net/en/lineup/india-railway.html
28	Logistics	Logistics Data Bank Services	NEC Technologies India Pvt. Ltd.	By introducing Logistics Data Bank Services, we can improve the efficiency of logistics and reduce the emission of air pollutants from automobiles.	http://www.dlds.in/index.aspx http://www.nectechnologies.in/index.html
29	Vehicle Manufacturing	Next-generation Motorcycles	India Yamaha Motor Pvt. Ltd.	By developing, selling, and distributing environmentally conscious next-generation motorcycles equipped with high-performance small-sized engines, we can more effectively control the emission of air pollutants when compared to conventional motorcycles.	http://www.yamaha-motor-india.com/

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30	Environmental Monitoring	Analytical Instruments	Shimadzu Analytical (India) Pvt. Ltd.	By conducting highly accurate analyses of the atmosphere and of exhaust gas with the latest technology and equipment, we can accurately determine the condition of the atmosphere and of exhaust gas for air pollution control.	https://www.shimadzu.com/an/industry/environment/mk16nn000002x71.html
31	Environmental Monitoring	Air Pollution Monitor	HORIBA India Pvt. Ltd.	By monitoring the air quality with the latest sophisticated technology and equipment, we can accurately determine the condition of the atmosphere for air pollution control.	http://www.horiba.com/process-environmental/products/ambient/
32	Environmental Monitoring	Stack Gas Monitor	HORIBA India Pvt. Ltd.	By monitoring exhaust gas with the latest sophisticated technology and equipment, we can accurately determine the condition of exhaust gas for air pollution control.	http://www.horiba.com/process-environmental/products/combustion/
33	Vehicle Manufacturing	Next-generation Vehicles	Terra Motors	By developing, selling, and distributing environmentally conscious next-generation two- and three-wheeled vehicles, we can more effectively control the emission of air pollutants when compared to conventional vehicles.	http://terramotors.in/