

Utsunomiya Manufacturing Division

As of March 31, 2014

Main Plant

Location	1-1-11, Younan, Utsunomiya City, Tochigi Prefecture 320-8564
Site Area	472,940 m ²
Building Area	199,513 m ²
Number of Employees	1,722
Main Products Manufactured	Aircraft, unmanned aircraft, space-related equipment

This represents the
total amount of Main
Plant, South Plant,
and 2nd South Plant.



South Plant

Location	1418 Kamiyokota Town, Utsunomiya City, Tochigi Prefecture 321-0106
Main Products Manufactured	Aircraft



2nd South Plant

Location	2-810-4 Miyanouchi, Utsunomiya City, Tochigi Prefecture 321-0131
Main Products Manufactured	Aircraft



Handa Plant

Location	1-27, Shiohi-cho, Handa City, Aichi Prefecture 475-0032
Site Area	59,073 m ²
Building Area	13,854 m ²
Number of Employees	294
Main Products Manufactured	Aircraft



Handa West Plant

Location	102, Kamihama-cho, Handa City, Aichi Prefecture 475-0804
Site Area	41,977 m ²
Building Area	13,809 m ²
Number of Employees	41
Main Products Manufactured	Aircraft



Message from the Chief General Manager



Hisashi Nagano

Chief General Manager
Utsunomiya Manufacturing Division
Corporate Executive Vice President

At the Utsunomiya Manufacturing Division, we actively give due consideration to the environment, contribute to society, and implement thorough compliance, based on our "Customers Come First" policy, with the aim of realizing our business vision of, "An Appealing Company with a Strong Market Presence." By making efforts people can trust, we will continue working to enhance our corporate value while playing our part in the development of a sustainable society.

To realize this goal, as a corporate citizen, we will redouble our efforts to deal with environmental issues such as global warming, step up compliance, promote traffic manners, and sincerely address complaints, led by the slogan, "To Be a Company Favored by the Community," since our plants are often located close to residential areas. At the same time, we will also continue our educational programs, taking advantage of our strengths as a manufacturer, to help children deepen their understanding of science and environmental activities.

Relationship with Local Society

Communication with the Local Community

We at Utsunomiya Manufacturing Division recognize the importance of coexisting with local communities as responsible members of society, and equally, the importance of maintaining a prosperous society. In particular, making use of our advantages as a manufacturing industry, we have been involved in supporting school education to foster pupils' understanding of environmental protection activities over a long period.



Environmental Class Delivery Service (Utsunomiya area)

Utsunomiya Manufacturing Division provides environmental classes for pupils of grade five in elementary schools in Utsunomiya City by dispatching our employees to deliver talks on global warming and familiarize them through experiments with how it operates. This is one of our efforts to promote awareness of environmental issues among children, which started in FY2007. In FY2014, we held 43 classes for 1,368 pupils, making a grand total of 263 classes for 8,399 pupils.



Class Delivery Service (Handa area)

This fiscal year, we began providing the class delivery service, which is established in the Utsunomiya area, in the Handa area. We held classes with involvement from parents' associations in conjunction with talks on how planes fly and paper plane making and flying tournaments for parents and children. There were a large number of participants, marking a positive start for the future development of the program.



Friendship Festival (Utsunomiya area)

The Friendship Festival was held in October by opening the factory to the public. We welcomed some 4,000 visitors with whom we were able to enjoy more substantial exchanges. The festival also promoted the Utsunomiya Manufacturing Division's CSR and environmental activities, and encouraged greening by presenting visitors with spiraea saplings and herb seeds in collaboration with the Tochigi Prefecture Green Promotion Committee.



Friendship Festival (Handa area)

This fiscal year, we held the Handa area's first Handa Friendship Festival. The festival was held mainly for the families of employees as well as people from government agencies and companies in Handa and local residents to understand and appreciate FHI and the Aerospace Company through FHI's craftsmanship involved in the Boeing 777 and 787 center wings that the Handa Plant has produced. Around 1,500 people took part in the festival, which we are working to make a regular event in the future.



JAPAN CUP Cycle Road Race

The JAPAN CUP Cycle Road Race, Asia's top cycle race, which is hosted by Utsunomiya City, was held in October. The company has been the main sponsor since 1990, and provided LEGACY and other models as team support cars. The race, which widely promotes Utsunomiya as a center of cycle sports, was held over two days, and drew a crowd of around 112,700 spectators from inside and outside the prefecture.



Bon Dance

In August, a grand Bon Dance festival was held with an attendance of some 2,500 people, including local community associations for residents, women, and children, and other local corporations. The festival has been a regular annual event in the community since 1984.

Activities in the Community—Education, Traffic Safety, and Others

Utsunomiya Manufacturing Division has taken various opportunities to promote its CSR activities, including providing educational and awareness programs for promoting traffic safety and environmental protection to its employees.



Traffic Safety Activities, Installing Safety Reflectors

In September, with the cooperation of the Utsunomiya Police, Utsunomiya Manufacturing Division installed reflectors on electric poles to help prevent traffic accidents during the night. This was part of our local traffic safety activities as the chairing company of the Utsunomiya South Ward Safe Driving Administrators Council. These activities have been conducted in specific areas since 2008 during the Traffic Safety Campaign periods in the spring and autumn.



Crossing Guard Services

We provide crossing guard services at crossroads in the neighborhood of the division at commuting times to schools and offices. This service also serves to make our employees more conscious of traffic manners. Since there are many different routes to the schools in the vicinity of the division, we offer this service twice yearly: in April, when new pupils begin their classes, and in September, when students might be a little too carefree after the long summer holiday.



ISO 14001 Renewal Audit

In December, an ISO 14001 renewal audit was conducted by an external auditor. Each of our departments described the ISO implementation status in their workplaces during the audit, and our certification was successfully continued. Commented an auditor: "Environmental risks are progressively being reduced through radical operational improvements" at every stage.



Clean Campaign

About 310 volunteers from the Utsunomiya Manufacturing Division worked in seven groups and picked up trash and cut grass around Minami-Utsunomiya Station of the Tobu Railway and Miyahara Ballpark near the division. The campaign this year marks the 27th anniversary. We will continue with such programs to help keep our local communities clean and tidy.



Green Fund

In November, contributions collected from employees working at the division were donated to the Prefecture Green Promotion Committees of Tochigi and Aichi Prefectures. First launched in 2000, this drive marked its 14th anniversary and was honored with a second Executive Director's Award by the National Land Afforestation Promotion Organization in FY2012, following the Minister of Agriculture, Forestry and Fisheries Award in FY2008. (To date, accumulated donations have totaled 4.85 million yen.)



Blood Donation

A blood donation session is organized three times yearly in Utsunomiya and once yearly in the Hand district. This year, some 290 people volunteered to donate blood. As part of our social contribution, blood donation is useful for one and many people alike, and we shall work to further promote blood donation activities in future.

Approaches to Environmental Preservation

As a comprehensive manufacturer of transportation devices with automobiles as core products, we promote environmental preservation, recognizing that “addressing global environmental problems is a critical management issue.”

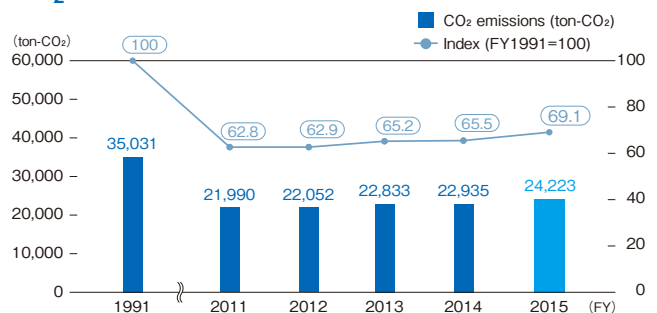
Approach to Prevention of Global Warming

In FY2014, in the area of managing consumption, we reduced the wasteful use of energy by equipment, lighting and so on in each workplace and monitored office air conditioning in the summer. In terms of improvements to equipment, we converted lighting to LED and worked to adopt energy-saving models when introducing equipment.

We achieved a 20.8% reduction from the FY2007 figure in CO₂ emissions intensity.

Going forward, we shall work harder on energy conservation activities, contributing to the prevention of global warming.

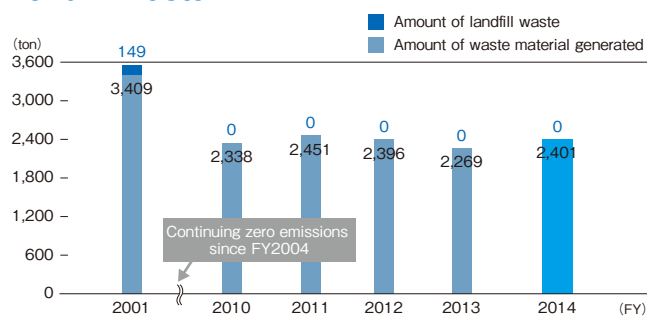
CO₂ Emissions



Approach to Zero Emissions

We achieved zero emissions in 2003. We shall continue with our efforts to improve recycling and further reduce waste.

Amount of Waste Material Generated and Landfill Waste



Approach to Pollution Prevention

To live together with local communities and to maintain a verdant natural environment, we manage exhaust emissions as well as wastewater discharge to reduce environmental risks, and promote activities to prevent environmental accidents and public hazards.

Regarding the ground operations of helicopters at the South Plant, they are conducted on an apron located furthest from the boundary of the premises to minimize noise for nearby residents.

No environmental accidents and complaints have been recorded inside or outside the premises since FY2011. We will strive, not only to ensure that we do

not exceed the standard limits, but rather with the aim of attaining our own “zero” targets.

FY2014 Environmental Data

The measured results all comply with the Water Quality Pollution Control Act, the Utsunomiya Sewerage Ordinance, and the Handa Pollution Prevention Agreement. They also meet our voluntary standards* which are 20% stricter than the levels under the agreement and ordinances.

*FHI established the voluntary standards (for air, water, and vibration), which are 20% stricter than environmental laws and regulations.

Water Quality Data

The measured results all comply with the Water Quality Pollution Control Act and the Sewerage Act, as well as with our voluntary standards, which are 20% stricter than the levels under the agreement and ordinances.

■ Main Plant: The Sewerage Act and the Utsunomiya Sewerage Ordinance

Substance	Regulated Values	Voluntary Standard	Maximum Values	Minimum Values	Average Values
pH	5-9	5.4-8.6	7.9	6.8	7.4
SS	600	480	248	under 1.0	43.0
BOD	600	480	228	under 0.5	46.8
n-Hexane Extracts (inorganic)	5	4	under 1.0	under 1.0	under 1.0
n-Hexane Extracts (organic)	30	24	13.0	under 1.0	3.9
Fluorine	8	6.4	1.6	under 0.2	0.2
Cyanide	1	0.8	under 0.1	under 0.1	under 0.1
Cadmium	0.1	0.08	0.058	under 0.005	0.013
Total Chromium	2	1.6	0.14	under 0.01	0.03
Hexavalent Chromium	0.1	0.08	0.03	under 0.02	under 0.02

■ South Plant: The Sewerage Act and the Utsunomiya Sewerage Ordinance

Substance	Regulated Values	Voluntary Standard	Maximum Values	Minimum Values	Average Values
pH	5-9	5.4-8.6	7.9	6.4	7.3
SS	600	480	234	2.4	61.4
BOD	600	480	278	2.6	75.7
n-Hexane Extracts (inorganic)	5	4	under 1.0	under 1.0	under 1.0
n-Hexane Extracts (organic)	30	24	14	under 1.0	3.0
Cyanide	1	0.8	under 0.1	under 0.1	under 0.1
Cadmium	0.1	0.08	under 0.005	under 0.005	under 0.005
Total Chromium	2	1.6	0.07	under 0.01	under 0.01
Hexavalent Chromium	0.1	0.08	under 0.02	under 0.02	under 0.02

[Notations] pH: Hydrogen-ion concentration, BOD: Biochemical oxygen demand, SS: Concentration of suspended solids in water (diameter: 2 mm or smaller), COD: Chemical oxygen demand

[Units] All others except pH: mg/L

■ 2nd South Plant: The Sewerage Act and the Utsunomiya Sewerage Ordinance

Substance	Regulated Values	Voluntary Standard	Maximum Values	Minimum Values	Average Values
pH	5-9	5.4-8.6	7.7	7	7.3
SS	600	480	174	2.4	35.2
BOD	600	480	129	1.7	34.3
n-Hexane Extracts (inorganic)	5	4	1.3	under 1.0	under 1.0
n-Hexane Extracts (organic)	30	24	7.9	under 1.0	1.4
Fluorine	8	6.4	1.9	under 0.2	0.4
Cyanide	1	0.8	under 0.1	under 0.1	under 0.1
Cadmium	0.1	0.08	under 0.005	under 0.005	under 0.005
Total Chromium	2	1.6	0.38	under 0.01	0.13
Hexavalent Chromium	0.1	0.08	under 0.02	under 0.02	under 0.02

■ Handa Plant: Water Pollution Control Law, Environmental Agreement with Handa City

Substance	Regulated Values	Voluntary Standard	Maximum Values	Minimum Values	Average Values
pH	6-8	6.2-7.8	10.3	6.7	7.8
SS	25	20	14.0	1.0	3.9
BOD	25	20	14.0	0.5	3.9
COD	25	20	18.0	0.9	6.8
n-Hexane Extracts (inorganic)	5	4	under 0.5	under 0.5	under 0.5
Cyanide	1	0.8	under 0.1	under 0.1	under 0.1
Cadmium	0.1	0.08	under 0.005	under 0.005	under 0.005
Total Chromium	2	1.6	under 0.04	under 0.04	under 0.04
Hexavalent Chromium	0.5	0.4	under 0.04	under 0.04	under 0.04

■ Handa West Plant: Water Pollution Control Law, Environmental Agreement with Handa City

Substance	Regulated Values	Voluntary Standard	Maximum Values	Minimum Values	Average Values
pH	6-8	6.2-7.8	7.8	7.4	7.7
SS	15	12	6.0	2.0	3.7
BOD	15	12	7.0	2.5	4.4
COD	15	12	8.5	4.2	6.7
n-Hexane Extracts (inorganic)	2	1.6	under 0.5	under 0.5	under 0.5
Cyanide	0.5	0.4	under 0.1	under 0.1	under 0.1
Cadmium	0.05	0.04	under 0.005	under 0.005	under 0.005
Total Chromium	0.2	0.16	under 0.04	under 0.04	under 0.04
Hexavalent Chromium	0.3	0.24	under 0.04	under 0.04	under 0.04

Air Pollution Data

The measured results all comply with the Air Pollution Control Act, and they were also less than our voluntary standards, which is 20% stricter than Law.

■ Main Plant, South Plant, 2nd South Plant: Air Pollution Control Law

Facilities	Substance	Regulated Values	Voluntary Standard	Maximum Values	Average Values
Co-generation System	NOx	600	480	281	122
	PM	230	184	136	under 100
Dry-off Furnace	PM	0.2	0.16	under 0.001	under 0.001

[Unit] NOx: ppm, PM: g/m³N

Among the 9 facilities specified by Law, we present here data of a co-generation system and dry-off furnaces.

■ Handa West Plant: Air Pollution Control Law, Environmental Agreement with Handa City

Facilities	Substance	Regulated Values	Voluntary Standard	Maximum Values	Average Values
2-ton Boiler	SOx	1.5	1.2	under 0.002	under 0.002
	NOx	180	144	35	37
	PM	0.1	0.08	0.007	under 0.002

[Unit] NOx: ppm, SOx: m³N/h, PM: g/m³N

Among the 3 facilities specified by Law, we present here data of a boiler. Also at the specified facilities not indicated here, measured values were in the range of values specified by Law.

■ Handa Plant: Air Pollution Control Law, Environmental Agreement with Handa City

Facilities	Substance	Regulated Values	Voluntary Standard	Maximum Values	Average Values
2-ton Boiler	SOx	1.5	1.2	under 0.002	under 0.002
	NOx	180	144	32	37
	PM	0.1	0.08	0.008	under 0.002

[Unit] NOx: ppm, SOx: m³N/h, PM: g/m³N

Among the 4 facilities specified by Law, we present here data of a boiler. Also at the specified facilities not indicated here, measured values were in the range of values specified by Law.

Measurement Result of Noise and Vibration

The measured results all comply with the Noise and Vibration Act, and they were also less than our voluntary standards.

■ Noise: Noise Regulation Law

[Unit: dB(A)]

Measurement Area	Regulated Values (night)	Voluntary Standard	Number of Measurements	Actual Values
Main Plant	60	58	8	57
South Plant	50	48	3	41
2nd South Plant	50	48	3	45
Handa Plant	65	63	3	58
Handa West Plant	65	63	6	58

■ Vibration: Vibration Regulation Law

[Unit: dB(Z)]

Measurement Area	Regulated Values (night)	Voluntary Standard	Number of Measurements	Actual Values
Main Plant	65	63	8	35
South Plant	60	58	2	under 30
2nd South Plant	60	58	3	under 30
Handa Plant	70	68	3	36
Handa West Plant	70	68	5	36

[Measurement results] < : indicates less than minimum limit

Amount of PRTR Chemical Substances Handled and Emitted

■ Utsunomiya Manufacturing Division (Aerospace Company)

[Unit: kg/year]

Chemical Substances	Amount Handled	Air Release	Water Emissions (public)	Transfer (sewer)	Transfer	Consumption	Solvent Wiping Removal	Recycle
Bisphenol A	2,329				932	1,397		
Ethyl benzene	118	92			26			
Xylene	2,807	2,105			702			
Compounds of Hexavalent chromium	2,280	21			1,360	434	465	
Toluene	11,069	8,634			2,435			
Manganese and its compounds	1,333				533	800		
1,3-dioxolane	8,120	6,334			1,786			
Total	28,056	17,186	0	0	7,774	2,631	465	0

■ Utsunomiya Manufacturing Division (Eco Technologies Company)

[Unit: kg/year]

Chemical Substances	Amount Handled	Air Release	Water Emissions (public)	Transfer (sewer)	Transfer	Consumption	Solvent Wiping Removal	Recycle
Ethyl Benzene	4,713	2,866			1,145			702
Xylene	15,336	9,324			3,727			2,285
Toluene	5,633	3,425			1,369			839
Total	25,682	15,615	0	0	6,241	0	0	3,826

*Listed are only those substances with annual handling volumes of 0.5 ton or more.

Signing Agreement of Environmental Preservation with Handa City

We publicly concluded a pollution prevention agreement with Handa City to replace an expiring agreement. On February 22, 2011, we newly entered into an environmental conservation agreement with the city expanding its scope to include environmental activities such as energy saving and the disposal of industrial waste.

Division History

January 1944	Utsunomiya Manufacturing Plant of Nakajima Aircraft Co., Ltd. opened and started army aircraft fuselage production	September 2002	T-7 new primary trainer aircraft succeeded in maiden flight and delivered to the Defense Agency
August 1945	Renamed as Fuji Industries Co., Ltd.	September 2005	Main wings of Transport Aircraft X and fixed-wing patrol aircraft delivered to the Defense Agency
July 1950	Utsunomiya Cars Co., Ltd. established	December 2005	Pilot large-scale wind power generation unit built in Kamisu City, Ibaraki Prefecture
July 1953	Fuji Heavy Industries Ltd. established	March 2006	AH-64D helicopters succeeded in maiden flight and delivered to the Defense Agency
January 1958	T-1 intermediated trainer aircraft succeeded in First Flight	January 2007	First delivery of Boeing 787, Main Wing
March 1962	Production of Road Packer (predecessor of current refuse collection vehicle Fuji-mighty) started.	January 2010	Fuji Heavy Industries Ltd. acquired ISO 14001 Corporate Integrated Certification
August 1963	UH-1B turbine helicopters delivered to the Defense Agency	April 2010	FUJI MIGHTY ELECTRA launched
August 1965	Domestic light aircraft FA-200 (Aero SUBARU) succeeded in First Flight	July 2012	Wind Power Generation Business transferred to Hitachi, Ltd.
March 1978	T-3 primary trainer aircraft delivered to the Defense Agency	January 2013	Eco-car business transferred to ShinMaywa Industries, Ltd.
December 1984	AH-1S anti-tank helicopters delivered to the Defense Agency	March 2013	Eco-technology company discontinued
August 1988	T-5 primary trainer aircraft delivered to the Defense Agency		
December 1992	Assembly plant of Boeing 777 (Handa Plant) started operations		
September 1993	UH-1 J Helicopters delivered to the Defense Agency		
July 1999	Utsunomiya Manufacturing Division acquired ISO 14001 certification		
November 2000	FUJI-MIGHTY Type LP0 went on sale		
March 2002	Utsunomiya Manufacturing Division achieved zero emission		
June 2002	Company system introduced Aerospace Company and Eco Technologies Company established Aerospace Company		

Major Products

