Introduction of Hi-efficiency Turbo Blower

Contribute to Energy Reduction in Wastewater System

新明和工業株式会社



Company Profile



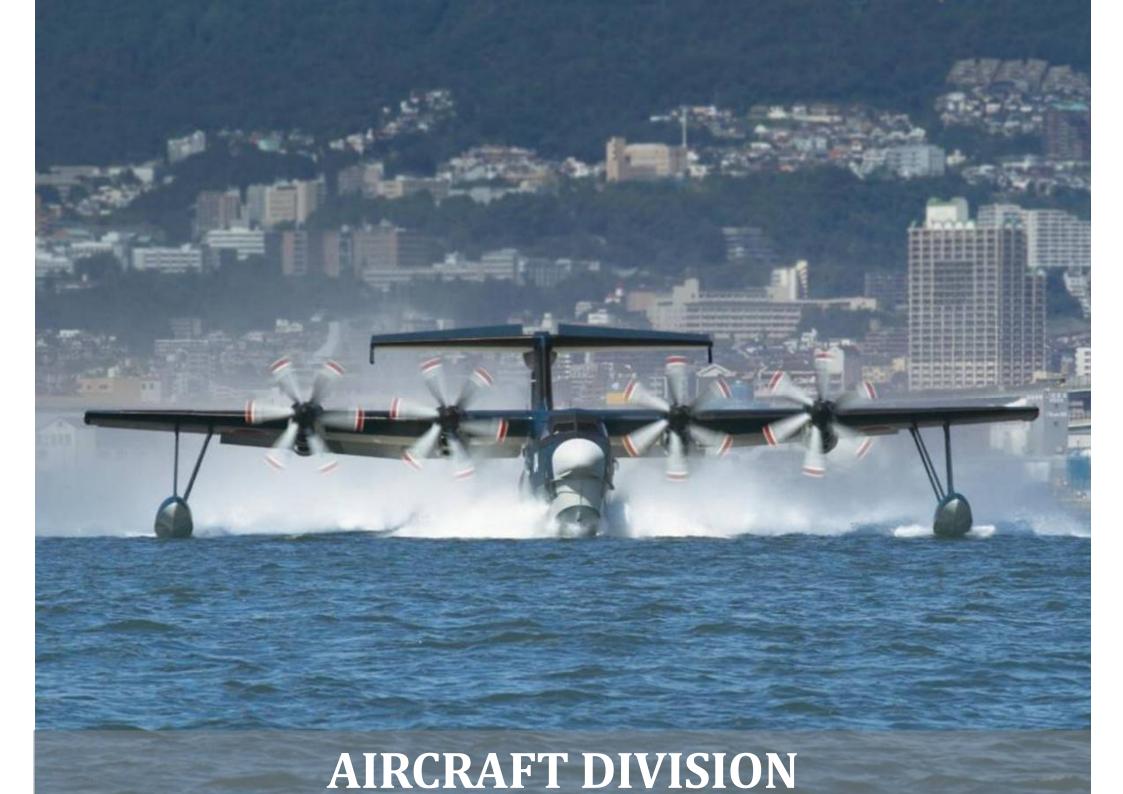
Company Name	ShinMaywa Industries, Ltd.		
Established	Feburuary 1, 1920		
Founded	November 5, 1949		
President	Tatsuyuki Isogawa		
Employees	6,040 (consol.) / $3,136$ (non-consol.) (As of March 31, 2023)		

Global Network

- 1 ShinMaywa (California), Ltd.
- 2 ShinMaywa (America), Ltd.
- 3 ShinMaywa Mexico S.A. de C.V.
- 4 ShinMaywa (Bangkok) Co., Ltd.
- 5 Thai ShinMaywa Co., Ltd.
- 6 Shin Maywa Aerobridge Malaysia Sdn. Bhd.

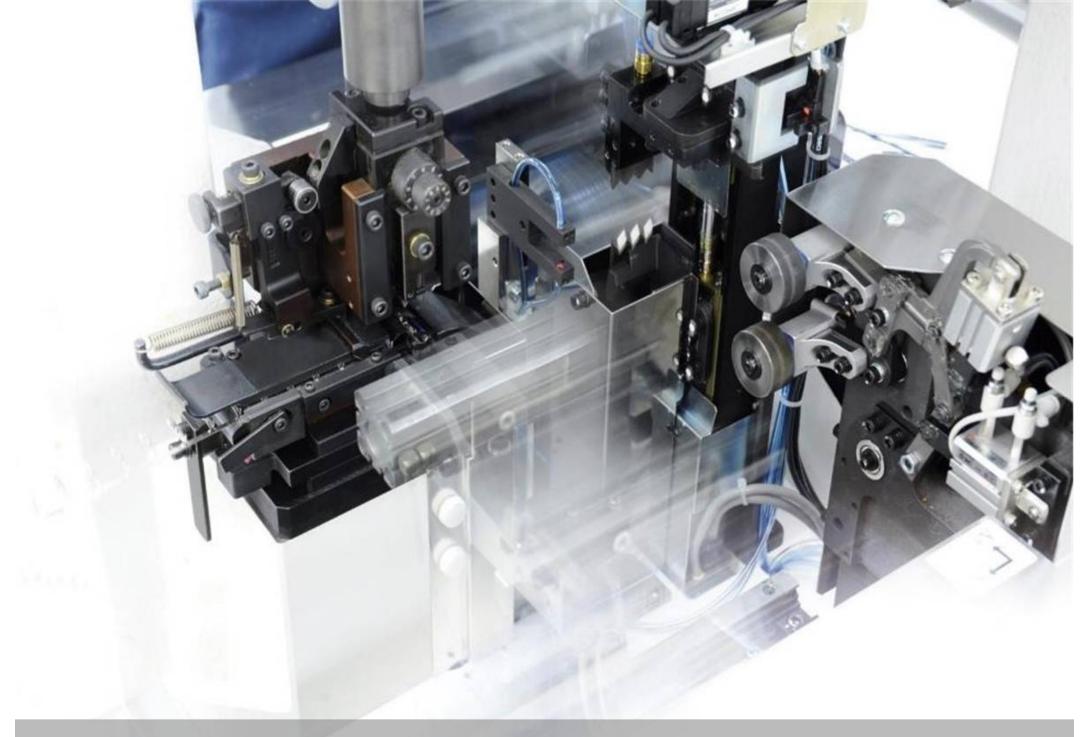
- 7ShinMaywa (Asia) Pte. Ltd.
- ${\bf @Chongqing\,Endurance\,\&\,ShinMaywa\,Industries, Ltd.}\\$
- 9TurboMAX Co., Ltd.
- ①Shangdong TurboMAX Environment Technology Co., Ltd.
- ①TurboMAX (ChangZhou) Technology Co., Ltd.
- **12**TurboMAX India Private Limited

- ¹³ShinMaywa (Shanghai) Trading Co., Ltd.
- (4) Shin Maywa (Shanghai) High-Tech Machinery Co., Ltd.
- 15 Taiwan ShinMaywa Industries Co., Ltd.
- **16KOREA VACUUM LIMITED**





SPECIAL PURPOSE VEHICLE DIVISION



INDUSTRIAL MACHINERY DIVISION



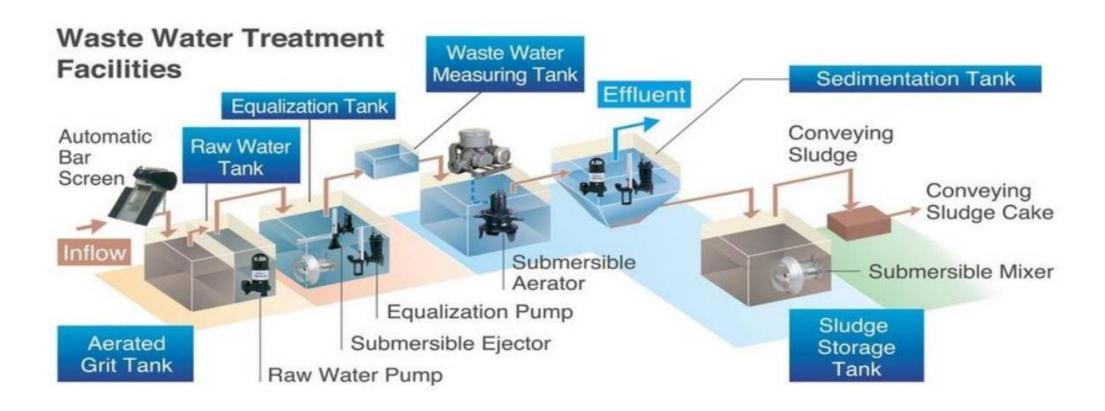


FLUID DIVISION

Wide Range of Product for Wastewater System



- Supply of equipment for wastewater treatment systems
- Submersible pumps, air blowers, submersible mixers, submersible aerators, Screens: the main equipment in the wastewater treatment system



Supply Records in VIETNAM



Shinmaywa has been supplying the products in Wastewater field in Vietnam for nearly 20 years.

Government Project

No.	Location	Name of WWTP	Start year	Capacity (m3/day)	Funds
1	Ha Noi	Kim Lien	2005	3,700	JPN ODA
2	Ha Noi	Truc Bach	2005	2,500	JPN ODA
3	Da Nang	Son Tra	2006	15,900	WB ODA
4	Ha Noi	Bac Thang Long	2009	42,000	JPN ODA
5	Ho Chi Min	Binh Hung	2009	141,000	JPN ODA
6	Binh Duong	Thu Dau Mot	2013	17,650	JPN ODA
7	Ha Noi	Ho Tay	2014	22,800	PPP (BT)
8	Khanh Hoa	Nha Trang	2014	40,000	WB ODA
9	Ha Nam	Phu Ly	2015	2,500	Local govi
10	Bac Ninh	Tu San	2015	33,000	PPP (BT)
11	Ho Chi Minh	Tham Luong-Ben Cat	2017	250,000	PPP (BT)
12	Hue	Hue WWTP	2018	30,000	JPN ODA
13	Quang Nam	Hoi An	2018	2,000	JPN ODA
14	Danang	Lien Chieu WWTP	2019	60,000	WB ODA
15	Danang	Phu Loc WWTP	2019	120,000	WB ODA
16	Danang	Ngu Hanh Son WWTP	2020	40,000	WB ODA
17	Danang	Son Tra WWTP	2020	40,000	WB ODA
18	Ha Noi	Yen Xa WWTP	2022	270,000	JPN ODA

Industrial Zone Project

No.	Name of Industrial Zone	Capacity of WWT (m3/d)	Year 2017	
1	Ascendas Protrade Singapore Tech Park	10,000		
2	Ba Thien II Industrial Zone 10,000		2014	
3	Bau Bang / My Phuoc 5 16,000		2017	
4	Chau Duc 45,000		2015	
5	Da Nang Hi-tech Park	lang Hi-tech Park 4,500		
6	Dat Do 1	16,000	2017	
7	Dong Nam	m 15,000		
8	Dong Xuyen	3,000	2009	
9	Glang Dien	12,000		
10	Hiep Phuoc	18,000	2017	
11	Hoa Lac Hi-Tech Park	42,000	2007	
12	Mai Son Industrial Zone		2017/ 2018	
13	My Phuoc (1~3)	32,000	2017/ 2018	
14	My Xuan B1 -CONAC	5,000	2012	
15	Saigon Hi-TechPark	5,000	2017	
16	Thang Long Industrial Park	3,000	2016	
17	Thang Long Industrial Park (Vinh Phuc)		2018	
18	Thang Long Industrial Park II Corporation	6,000	2016/ 2018	
19	Viet Huong 2	2,000	2014/ 2018	
20	VSIP Bac Ninh Industrial Zone	24,000	2016	
21	VSIP Nghe An Industrial Zone		2016/ 2017	
22	VSIP Quang Ngai	6,000	2014/ 2018	
23	VSIP-1	7 THE TOTAL	2014/ 2016	
24	Yen Binh Industrial Zone	25,000	2016/ 2017	
25	Yen Phong Industrial Zone	1st: 28,000 / 2nd: 12,000	2010/ 2012/ 2014/ 2016	
26	Pho Noi A Industrial Zone	6,000	2015	

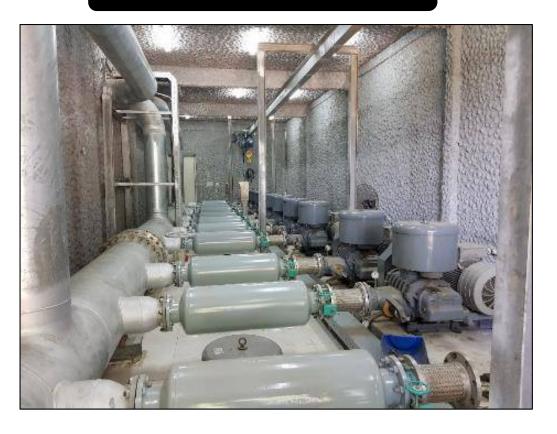
Danang City:

Son Tra XLNT / Phu Loc XLNT / Ngu Hanh Son XLNT / Hoa Xuan XLNT Hoa Khanh IZ, Lien Chieu IZ, Hi-tech park/ Khanh Son leachate treatment system

Supply Records in DANANG



Phu Loc WWTP
Air Blower ARS150 30KW x 12 units





Khanh Son Garbage Treatment Plant Dry Pit type Pump x 14 units

Supply Records in DANANG





Hoa Xuan WWTP Air Blower ARS200 75KW x 6 units (2018)

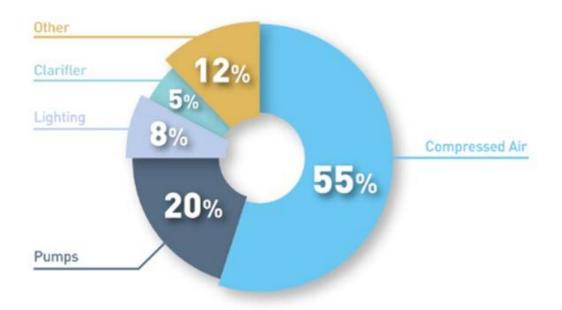


Hoa Xuan WWTP Maintenance Works

Contribute to Energy Saving



In the Wastewater Treatment System, the aeration process uses "50-60%" of the total energy consumption.



Power Consumption Ratio at Typical Wastewater Treatment Plant

ShinMaywa offers: Hi-efficiency Turbo Blower

We will contribute to <u>save the energy consumption</u> for the aeration process in Wastewater Treatment System.

TURBO BLOWER ~ Core technologies ~





Case Study in JAPAN



