

List of data collection boundaries

Environment data of former Showa Denko Group (Data for 2022)

*Boundaries of GHG Scope1&2 is disclosed separately.

*The following site names are as of December 2022.

Site	Water withdrawals (Water usage)	Water discharges (Environmental hazardous substance emissions are included in only the data of Japan.)	COD /total nitrogen /total phosphorus	Amount of industrial waste generated (Final landfill disposal amount)	VOC emissions	PRTR substance emissions	Air environmental hazardous substance emissions (SOx/Nox /Soot and dust)	Transportation sector's CO2 emissions, Unit energy consumption rate for transport, Freight ton-km	Environmental accounting
Number of sites in Japan and abroad (Total)	46	38	21	45	6	22	16	15	16
Showa Denko K.K.	(16)	(16)	(15)	(15)	(6)	(13)	(12)	(15)	(16)
1 Oita Complex	○	○	○	○	○	○	○	○	○
2 Tokuyama Plant	○	○	○	○	○	○	○	○	○
3 Kawasaki Plant	○	○	○	○	○	○	○	○	○
4 Higashinagahara Plant	○	○	○	○	○	○	○	○	○
5 Yokohama Plant	○	○	○	○	○	○	○	○	○
6 Shiojiri Plant	○	○	○	○	○	○	○	○	○
7 Omachi Plant	○	○	○	○	○	○	○	○	○
8 Oyama Plant	○	○	○	○	○	○	○	○	○
9 Oyama Plant (Nasu)	○	○	○	○	○	○	○	○	○
10 Hikone Plant	○	○	○	○	○	○	○	○	○
11 Kitakata Plant	○	○	○	○	○	○	○	○	○
12 Ichihara Site	○	○	○	○	○	○	○	○	○
13 Chichibu Plant	○	○	○	○	○	○	○	○	○
14 Tatsuno Plant	○	○	○	○	○	○	○	○	○
15 Iseaki Plant	○	○	○	○	○	○	○	○	○
16 Institute for Integrated Product Development (Toke)	○	○		○					○
17 Head Office (Daimon)								○(Metal Group)	
18 Nagoya Branch									
19 Osaka Branch									
20 Fukuoka Branch									
Group Companies(in Japan)	(12)	(7)	(6)	(12)	(0)	(9)	(4)		
1 Tsurusaki Kyodo Doryoku K.K.	(Included in Oita Complex)	(Included in Oita Complex)		(Included in Oita Complex)	(Included in Oita Complex)	(Included in Oita Complex)	(Included in Oita Complex)		
2 Showa Denko Gas Products Co., Ltd. (Kawasaki)	○	(Excluded because there is no specific facility)	○	○					
3 Showa Denko Gas Products Co., Ltd. (Yokkaichi)	○	(Excluded because there is no specific facility)		○		○			
4 Showa Denko Gas Products Co., Ltd. (Oita)	○	○	○	○					
5 Showa Denko Ceramics Co., Ltd. (Toyama)	○	○	○	○		○			
6 Showa Denko Kenso Co., Ltd.	○			○		○			
7 Showa Denko Electronics K.K. (Ichihara)	(Included in Ichihara Site)	(Included in Ichihara Site)	(Included in Ichihara Site)	(Included in Ichihara Site)	(Included in Ichihara Site)	(Included in Ichihara Site)	(Included in Ichihara Site)		
8 Showa Denko HD Yamagata K.K. (Including Oyama Plant)	○	○		○		○	○		
9 Showa Denko Packaging Co., Ltd. (Hikone)	○	(Included in Hikone Plant)		○		○	○		
10 Niigata Showa K.K.	○	○		○		○	○		
11 SunAllomer Ltd. (Kawasaki)	○	○	○	○		○			
12 SunAllomer Ltd. (Oita)	○	○	○	○		○			
13 SunAllomer Ltd. (R&D Division)	○			○					
14 SHOKO Electronics K.K.	○	○	○	○		○	○		
Group Companies(outside Japan)	(18)	(15)		(18)					
1 Showa Specialty Gas (Taiwan) Co., Ltd. + Taiwan Showa Chemicals Manufacturing Co., Ltd.	○	○		○					
3 Shanghai Showa Highpolymer Co., Ltd.	○	○		○					
4 Showa Denko New Material (Zhuhai) Co., Ltd.	○			○					
5 Showa Denko Carbon, Inc.	○	○		○					
6 Showa Denko Sichuan Carbon	○			○					
7 Showa Denko Carbon Austria GmbH	○	○		○					
8 Showa Denko Carbon Spain S.A.U.	○	○		○					
9 Showa Denko Carbon Malaysia Sdn.Bhd	○	○		○					
10 SHOTIC Europa Industria de Aluminio Lda.	○			○					
11 SHOTIC Malaysia Sdn.Bhd.	○	○		○					
12 Showa Aluminum Manufacturing Philippines Corporation	○	○		○					
13 Showa Denko HD Singapore Pte Ltd.	○	○		○					
14 Showa Denko HD (Malaysia) Sdn.Bhd.	○	○		○					
15 Showa Denko HD Trace corp.	○	○		○					
16 Industrielack AG	○	○		○					
17 Zhuhai Sunbright New Materials Co., Ltd.	○	○		○					
18 GMM Coatings Private Limited	○	○		○					
19 ILAG RUI ZHONG NEW MATERIAL (SHANGHAI) CO.,LTD	○	○		○					