SULZER

Sulzer sustainability data 2019

Social Sustainability

Labor Relations

Number of employees

	Unit	2019	2018	2017	2016	2015
Number of employees Sulzer Ltd (according to IFRS; i.e., Sulzer total FTEs)	FTE	16'506	15'572	14'732	14'005	14'253

Type of employment: temporary (on payroll)

	Unit	2019	2018	2017	2016	2015
Employees with temporary contract (on average)	FTE	1'615	1'062	1'052	887	865

Type of employment: part-time (on payroll)

	Unit	2019	2018	2017	2016	2015
Employees working part-time (on average)	FTE	241	240	279	225	227

Employees with higher education

	Unit	2019	2018	2017	2016	2015
Number of employees with higher education (minimum BA	headcount	4'288	4'226	4'432	4'123	4'530

Employee training

	Unit	2019	2018	2017	2016	2015
Health and safety education and training hours	hours/year	105'471	117'599	107'546	119'154	106'610
Health and safety training hours per FTE	hours/FTE	6.4	7.6	7.3	8.5	7.5

Voluntary attrition rate

	Unit	2019	2018	2017	2016	2015
Total voluntary attrition rate	% (FTE)	6.70%	7.40%	9.0%	8.0%	7.5%

Diversity

Geographical spread

	Unit	2019	2018	2017	2016	2015
Europe, Middle East, Africa	FTE	7'766	7'495	7'279	7'455	7'220
Americas	FTE	4'526	4'374	3'911	3'822	4'139
Asia-Pacific	FTE	4'027	3'703	3'542	2'728	2'895

Geographical spread of female employees

	Unit	2019	2018	2017	2016	2015
Europe, the Middle East, Africa	% (FTE)	57%	58%	59%	57%	50%
Americas	% (FTE)	21%	22%	21%	23%	27%
Asia-Pacific	% (FTE)	22%	20%	20%	20%	23%

Age spread

	Unit	2019	2018	2017	2016	2015
FTE age < 20	% (FTE)	0.9%	1.3%	1%	1%	1%
FTE age 20-29	% (FTE)	13.8%	15.8%	16%	16%	18%
FTE age 30-39	% (FTE)	31.0%	31.5%	31%	30%	30%
FTE age 40-49	% (FTE)	26.6%	24.3%	25%	25%	25%
FTE age 50-59	% (FTE)	20.3%	20.3%	20%	21%	20%
FTE age > 60	% (FTE)	7.5%	6.8%	6%	7%	6%

Occupational Health and Safety

Occupational accidents

	Unit	2019	2018	2017	2016	2015
Occupational accidents (with > 1 lost day	cases	55	85	78	50	57
Occupational accidents and illnesses (absences)	lost days	1'847	2'282	1'564	1'414	1'444

Non-occupational accidents and illnesses

	Unit	2019	2018	2017	2016	2015
Non-occupational accidents and illnesses	cases	31'267	25'496	24'986	23'695	28'446
Non-occupational accidents and illnesses	lost days	92'055	87'191	83'496	74'159	78'851

Occupational fatalities

	Unit	2019	2018	2017	2016	2015
Total occupational fatalities	#	0	0	0	1	1
whereof occupational fatalities through accidents/injuries	#	0	0	0	1	1
whereof occupational fatalities through illnesses	#	0	0	0	0	0

Non-occupational fatalities

	Unit	2019	2018	2017	2016	2015
Total non-occupational fatalities	#	1	3	2	2	3
whereof non-occupational fatalities through accidents /injuries	#	0	1	0	0	1
whereof non-occupational fatalities through illnesses	#	1	2	2	2	2

Accident Frequency Rate (AFR)

	Unit	2019	2018	2017	2016	2015
Accident Frequency Rate	hours	1.7	2.9	2.7	1.8	1.9

Accident Severity Rate (ASR)

	Unit	2019	2018	2017	2016	2015
Accident Severity Rate	days/million working hours	58.3	81.1	54.0	51.2	48.1

Value Chain

Subcontractor (incl. accidents & fatalities)

	Unit	2019	2018	2017	2016	2015
Subcontractor accidents	cases	10	12	4	7	3
Fatalities	#	0	0	0	0	0

Ecological Sustainability

Energy

Energy consumption

	Unit	2019	2018	2017	2016	2015
Total energy consumed	GJ	902'751	860'753	872'335	845'056	970'832
Energy consumed per 1 000 working hours	GJ/1 000 whr	36.9	38.3	40	37	37

Energy sources mix: consumption by sources

	Unit	2019	2018	2017	2016	2015
Total energy consumed	GJ	902'751	860'753	872'335	845'056	970'832
whereof electricity	GJ	509'934	499'712	511'309	480'243	533'386
whereof gas	GJ	228'284	234'756	220'736	194'119	230'091
whereof fuels	GJ	125'651	89'521	84'573	98'675	120'708
whereof fuel oils, coal, coke	GJ	11'735	9'403	15'764	12'451	15'200
whereof district heating	GJ	27'147	27'362	31'849	51'612	64'820
whereof cooling energy	GJ	0	0	0	0	0
whereof wood and other renewable sources	GJ	0	0	8'104	7'956	6'627

Emissions

Green House Gases according to GHG Protocol

	Unit	2019	2018	2017	2016	2015
Total GHG emissions	t CO_2 eq.	118'805	113'764	116'338	91'440	105'960
GHG emissions for scope 1[1)]	t CO_2 eq.	21'245	18'979	18'366	17'690	20'560
GHG emissions for scope 2[1)]	t CO_2 eq.	56'214	55'998	59'934	56'970	66'290
GHG emissions for scope 3[1)]	t CO_2 eq.	41'346	38'787	38'038	16'780	19'110
GHG emissions emitted per 1 000 working hours	t CO_2 eq./1 000 whr	4.8	5.1	5.4	4.0	4.1

Water

Water consumption

	Unit	2019	2018	2017	2016	2015
Total water consumed	m^3	1'029'302	930'530	1'163'905	1'600'383	1'311'930
Water consumed per 1 000 working hours	m^3/1 000 whr	42	41	54	71	50

Water consumption by usage

	Unit	2019	2018	2017	2016	2015
Total water consumed	m^3	1'029'302	930'530	1'163'905	1'600'383	1'311'930
whereof drinking water	m^3	266'671	279'796	24'820	200'732	233'590
whereof process water	m^3	71'500	110'981	184'937	105'041	462'550
whereof cooling water	m^3	622'236	587'177	780'159	1'206'133	490'580
whereof other usage	m^3	68'896	12'749	63'252	88'477	125'210

Water consumption by source

	Unit	2019	2018	2017	2016	2015
Total water consumed	m^3	1'029'302	930'530	1'163'905	1'600'383	1'311'930
whereof municipal water	m^3	401'603	368'895	385'035	374'116	457'660
whereof ground water	m^3	621'059	555'468	771'403	906'903	506'560
whereof surface water	m^3	2'347	1'225	7'032	318'839	344'970
whereof ocean water	m^3	0	0	0	0	0
whereof other sources	m^3	4'293	4'942	435	525	2'740

Water discharges

	Unit	2019	2018	2017	2016	2015
Total water discharged	m^3	939'850	852'361	1'131'376	1'559'770	1'283'230
whereof to waste water treatment plant (WWTP)	m^3	265'619	240'702	267'854	287'848	334'800
Whereof to ground water	m^3	177'167	156'758	170'485	271'214	25'400
Whereof to ocean water	m^3	2'347	13'280	49'879	342'372	400'080
Whereof to surface water	m^3	448'425	394'756	603'539	631'158	488'320
Whereof to air and other water bodies	m^3	15'780	18'549	23'363	27'178	34'630

Waste and recycling

	Unit	2019	2018	2017	2016	2015
Total waste	t (metric)	20'998	18'142	19'029	26'064	29'080
Total waste produced per 1 000 working hours	t (metric)/1 000 whr	0.9	0.8	0.9	1.2	1.1
Non-hazardous - excl. recycling (total	t (metric)	3'399	6'750	3'634	5'004	6'040
to landfill	t (metric)	8'447	7'277	3'798	3'313	4'790
to incineration	t (metric)	969	770	733	493	980
other treatment	t (metric)	2'152	1'883	3'383	1'198	270
External recycling - excl. hazardous - (total)	t (metric)	9'430	8'213	11'114	14'821	18'340
Hazardous waste (total)	t (metric)	2'911	3'162	4'280	6'239	4'700
to landfill	t (metric)	449	1'266	431	1'371	1'750
to incineration	t (metric)	86	137	121	220	195
to external treatment	t (metric)	1'239	327	2'672	3'430	1'760
to external recycling	t (metric)	1'136	1'432	1'056	1'218	990

Biodiversity

Land use

	Unit	2019	2018	2017	2016	2015
Land owned, leased, or affetcted otherwise by company	m^2	2'047'625	1'930'041	1'826'558	1'701'380	2'142'190
whereof impermeable land	m^2	1'140'360	1'105'589	1'054'806	1'003'144	1'172'460

Remarks: FTE: Full-time equivalents, whr: Working hours

[1)] Scope 1: direct emissions from Sulzer stemming from primary energy sources such as natural gas and fuels used on-site; scope 2: indirect emissions from secondary (converted) energy sources such as electricity and district heating; scope 3: indirect emissions from the production and transport of fuels and gases not included in scopes 1 or 2