

Yearly report Aibel AS 2018 - 2021

Key Figures GHG Emissions

Category	Description	Unit	2018	2019	2020	2021
Scope 1						
Transportation						
Diesel	Internal transport, trucks etc	tCO2e	2523,9	264,8	222,6	359,2
Diesel	Diesel consumption on mobile equipment	tCO2e	49,8	245,2	462,5	485,3
Diesel	Diesel consumption (Fleet card)	tCO2e	87,3	221,1	345,7	227,6
Diesel	Leased cars service & installation, management, pool, projects	tCO2e	210,7	178	107,9	87,3
Diesel	Leased cars projects	tCO2e	58,2	20,7	22,2	18,2
Diesel	Diesel consumption for ambulance, fire truck	tCO2e	0,5	0,5	0,7	12
Diesel	Projects; heating for ISO work etc	tCO2e	-	988,5	783,4	579,2
Petrol	Benzene consumption (Fleet card)	tCO2e	26,9	190,4	498	293,1
Petrol	Leased cars service & installation, management, pool, projects	tCO2e	14,3	11,6	13,2	11,7
Petrol	Leased cars projects	tCO2e	39,4	40,7	79,5	81,3
		tCO2e	3011	2161,5	2535,5	2154,7
Stationary combustion						
Natural gas	Heating of painting workshop, workshops etc	tCO2e	1635,2	1298,1	476,9	825,2
Natural gas	10 and 50 l bottles in production	tCO2e	-	-	-	-
Propane (NO)	Preheat of steel etc	tCO2e	15,1	27,7	11,8	8,9
Diesel, stationary	Diesel consumption on stationary equipment	tCO2e	0,1	102,5	299,5	117,9
LPG (Propane)	LPG in utility system (e.g. canteen)	tCO2e	0,6	12,1	44	32,2
		tCO2e	1651	1440,4	832,3	984,2
Chemical-process						
CO2	Fire extinguisher : CO2/non-CFC	tCO2e	0,1	-	0,1	-
		tCO2e	0,1	-	0,1	-
Refrigerants						
R-22 (Freon)	Refrigerant from air condition system	tCO2e	112,2	31,7	8,9	10
R-32	Refrigerant from air condition system	tCO2e	-	16,9	0,9	2,7
R-410 A	Refrigerant from air condition system	tCO2e	-	11,3	-	-
		tCO2e	112,2	59,8	9,8	12,7
Scope 1 Total		tCO2e	4774,4	3661,7	3377,7	3151,6

Category	Description	Unit	2018	2019	2020	2021
Scope 2						
Electricity						
Electricity Nordic mix	Offices and additional buildings	tCO2e	79,9	70,6	83,5	55,5
Electricity Nordic mix	Yard incl. Adm. Building	tCO2e	1014,8	904,6	1001,7	964,7
Electricity Nordic mix		tCO2e	204,7	226,1	189,1	134,6
Electricity Singapore		tCO2e	284,7	249,6	239,5	304,9
Electricity Thailand	All Banchang offices	tCO2e	55,7	74	76,7	55,4
Electricity Thailand	Office-I Building	tCO2e	32,3	39,4	44,7	32,9
Electricity Thailand	Office-II Building	tCO2e	26,8	37,3	56,1	34,3
Electricity Thailand	Deeline Building	tCO2e	10,8	16,2	62,2	21,3
Electricity Thailand	Electricity used for fabrication	tCO2e	331,2	1670,1	3301,2	3705,9
Electricity Thailand	Office-III Building	tCO2e	-	8	33,2	18
Electricity Thailand	Office-IV Building	tCO2e	-	-	17,3	17,1
		tCO2e	2040,9	3295,9	5105,2	5344,3
District heating location						
District heating NO/Stavanger/Sandnes		tCO2e	6,6	3,8	-	-
District heating NO/Bergen		tCO2e	9,5	7,7	3,7	1
District cooling NO/Stavanger/Sandnes		tCO2e	13,2	12,7	0,9	3,4
		tCO2e	29,4	24,1	4,6	4,4
Scope 2 Total		tCO2e	2070,3	3320	5109,8	5348,7
Scope 3						
Business travel						
Continental/Nordic, incl. RF		tCO2e	-	-	-	-
Continental/Nordic, incl. RF	Other	tCO2e	54,1	74,9	26,7	33,1
Domestic, RF	Short Distance	tCO2e	1601,3	1618	683,4	658,9
Intercontinental business, RF		tCO2e	910	1404,2	347,9	205,5
Intercontinental, RF	Economy	tCO2e	79,8	-	-	-
Intercontinental Premium economy, RF		tCO2e	55,8	72,4	-	-
Continental business, RF		tCO2e	84,7	175	55,6	29,9
Continental economy, RF		tCO2e	292,5	412	199,2	581,2
Intercontinental economy, RF		tCO2e	-	114,5	77	71,5
Intercontinental Premium economy		tCO2e	-	-	2,5	2,5
		tCO2e	3078,2	3871	1392,4	1582,5

Key Figures Energy Consumption

Category	Description	Unit	2018	2019	2020	2021
Scope 1						
Transportation						
Diesel	Internal transport, trucks etc	liters	939006	98544	82800	132755
Diesel	Diesel consumption on mobile equipment	liters	18524	91252	172051	179366
Diesel	Diesel consumption (Fleet card)	liters	32484	82276	128613	84128
Diesel	Leased cars service & installation, management, pool, projects	liters	78385	66235	40151	32257
Diesel	Leased cars projects	liters	21644	7702	8247	6725
Diesel	Diesel consumption for ambulance, fire truck	liters	200	191	253	4419
Diesel	Projects; heating for ISO work etc	liters	-	367904	291442	214064
Petrol	Benzene consumption (Fleet card)	liters	11682	82261	215147	125281
Petrol	Leased cars service & installation, management, pool, projects	liters	6189	5008	5690	5003
Petrol	Leased cars projects	liters	17102	17594	34357	34746
Stationary combustion						
Natural gas	Heating of painting workshop, workshops etc	kWh	8888890	7060394	2593328	4475292
Natural gas	10 and 50 l bottles in production	kg	-	-	18	-
Propane (NO)	Preheat of steel etc	kg	5047	9229	3926	2959
Diesel, stationary	Diesel consumption on stationary equipment	kWh	318	-	-	-
Diesel, stationary	Diesel consumption on stationary equipment	liters	-	38144	111430	43574
LPG (Propane)	LPG in utility system (e.g. canteen)	kg	-	4125	14970	10950
LPG (Propane)	LPG in utility system (e.g. canteen)	kgCO ₂ e	628	-	-	-
Chemical-process						
CO ₂	Fire extinguisher : CO ₂ /non-CFC	kg	135	-	133	-
Refrigerants						
R-22 (Freon)	Refrigerant from air condition system	kg	62	17,5	4,9	5,5
R-32	Refrigerant from air condition system	kg	-	25	1,4	4
R-410 A	Refrigerant from air condition system	kg	-	5,4	-	-
Scope 2						
Electricity						
Electricity Nordic mix	Offices and additional buildings	kWh	1774855	1809593	2037554	1790321
Electricity Nordic mix	Yard incl. Adm. Building	kWh	22550901	23195257	24432343	31118742
Electricity Nordic mix		kWh	4549632	5797476	4611167	4341540
Electricity Singapore		kWh	694284	631813	615627	787803
Electricity Thailand	All Banchang offices	kWh	109687	151978	158153	118824
Electricity Thailand	Office-I Building	kWh	63584	81000	92249	70536
Electricity Thailand	Office-II Building	kWh	52711	76666	115637	73583

Category	Description	Unit	2018	2019	2020	2021
Electricity Thailand	Deeline Building	kWh	21267	33235	128182	45622
Electricity Thailand	Electricity used for fabrication	kWh	652043	3429291	6806540	7952509
Electricity Thailand	Office-III Building	kWh	-	16513	68464	38543
Electricity Thailand	Office-IV Building	kWh	-	-	35706	36631
District heating location						
	District heating NO/Stavanger/Sandnes	kWh	335706	475921	454126	532127
	District heating NO/Bergen	kWh	475648	383051	412190	519472
	District cooling NO/Stavanger/Sandnes	kWh	252000	241290	282070	228470
Scope 3						
Business travel						
	Continental/Nordic, incl. RF	pkm	-	-	-	-
	Continental/Nordic, incl. RF Other	pkm	333355	473024	171807	215340
	Domestic, RF Short Distance	pkm	5367638	6347499	2797563	2679556
	Intercontinental business, RF	pkm	1927684	3231817	820628	479342
	Intercontinental, RF Economy	pkm	375558	-	-	-
	Intercontinental Premium economy, RF	pkm	214290	302246	-	-
	Continental business, RF	pkm	353437	749228	242409	131844
	Continental economy, RF	pkm	1831369	2645883	1301889	3848814
	Intercontinental economy, RF	pkm	-	764359	526671	483195
	Intercontinental Premium economy	pkm	-	-	20579	20268