



Safety Data

Occupational safety

	Unit	2019	2018	2017	2016	2015
Occupational safety, employees						
Fatalities	number	0	1	0	1	1
Fatality rate	per 100 mn hours worked	0.00	2.85	0.00	2.46	2.20
Number of hours worked	in hours (thousand)	34,987	35,080	37,188	40,665	45,656
Lost-Time Injury Rate (LTIR)	per 1 mn hours worked	0.51	0.29	0.24	0.37	0.26
High-consequence work-related injuries ¹	number	2	1	0	1	n.r.
High-consequence work-related injuries ¹	per 1 mn hours worked	0.06	0.03	0.00	0.02	n.r.
Lost-time injury severity	per 1 mn hours worked	38.61	9.86	9.95	16.92	15.20
Total recordable injuries ²	number	44	31	27	27	27
Total Recordable Injury Rate (TRIR) ²	per 1 mn hours worked	1.26	0.88	0.73	0.66	0.59
Occupational safety, contractors						
Fatalities	number	0	2	2	1	1
Fatality rate	per 100 mn hours worked	0.00	2.47	2.52	1.10	1.03
Number of hours worked	in hours (thousand)	78,773	81,059	79,458	90,793	97,265
Lost-Time Injury Rate (LTIR)	per 1 mn hours worked	0.27	0.31	0.39	0.42	0.28
High-consequence work-related injuries ¹	number	1	3	3	3	n.r.
High-consequence work-related injuries ¹	per 1 mn hours worked	0.01	0.04	0.04	0.03	n.r.
Lost-time injury severity	per 1 mn hours worked	8.80	20.73	19.37	21.60	12.95
Total recordable injuries ²	number	64	60	65	65	76
Total Recordable Injury Rate (TRIR) ²	per 1 mn hours worked	0.81	0.74	0.82	0.72	0.79



	Unit	2019	2018	2017	2016	2015
Occupational safety, employees and contractors						
Fatalities	number	0	3	2	2	2
Fatality rate	per 100 mn hours worked	0.00	2.58	1.71	1.52	1.40
Number of hours worked	in hours (thousand)	113,759	116,139	116,645	131,458	142,921
Lost-Time Injury Rate (LTIR)	per 1 mn hours worked	0.34	0.30	0.34	0.40	0.27
High-consequence work-related injuries ¹	number	3	4	3	4	n.r.
High-consequence work-related injuries ¹	per 1 mn hours worked	0.03	0.03	0.03	0.03	n.r.
Lost-time injury severity	per 1 mn hours worked	17.97	17.44	16.37	20.15	13.61
Total recordable injuries ²	number	108	91	92	92	103
Total Recordable Injury Rate (TRIR) ²	per 1 mn hours worked	0.95	0.78	0.79	0.70	0.73

¹ Lost-time injuries that resulted in 180 (or more) lost-workdays or permanent total disabilities.

² Corresponds to (GRI 403:2018-a-iii: Recordable work-related injuries)

n.r. = not reported

Process safety

	Unit	2019	2018	2017	2016	2015
Tier 1	number	4	4	4	9	2
Tier 2	number	7	12	6	16	12
Process Safety Event Rate ¹	per 1 mn hours worked	0.10	0.14	0.09	0.19	0.10

¹ Process Safety Event Rate is related to Tier 1 and Tier 2 process safety events