

Maintenance Outages

Hagit 10												
No.	Date	Outage Concept	Outage				Counters					
			GT	Generator	N/A	Additional Activities	Starts	OH	EOH	DOH		
1	Sep-2010	-	First Start	-	-	-	0	0	0	0		
2	May-2012	8k	Minor	-	-	-	394	2,468	7,655	1,244		
3	Nov-2012	12k	Minor	-	-	-	582	4,313	11,864	1,728		
4	Nov-2013	18k	Minor	-	-	-	856	6,095	17,891	3,233		
5	Mar-2014	22k	HGPI + Compr. Damage	Minor	-	-	947	6,963	20,623	4,186		
6	May-2015	30k	Minor	-	-	-	1,013	13,928	29,681	5,630		
7	Jun-2016	38k	Minor	-	-	-	1,067	20,640	38,114	6,801		
8	Apr-2017	46k	Special Inspection	-	-	-	1,110	26,878	45,503	7,525		
9	Nov-2017	50k	eHGPI	Medium	-	-	1,133	30,779	49,814	7,702		
10	Nov-2018	58k	Minor	-	-	-	1,180	37,692	58,138	8,642		
11	Nov-2019	67k	Minor	-	-	-	1,231	45,302	66,699	9,086		
12	Nov-2020	75k	Minor	-	-	-	1,279	52,922	75,812	10,097		
13	Apr-2021	-	-	Bump-Test and Modal Analysis	-	-	1,302	55,811	79,182	10,350		
14	Nov-2021	83k	Major	Major	-	-	1,311	59,663	83,287	10,515		
15	Apr-2023	94k	Minor	Completion of Major	-	-	1,396	69,185	93,873	10,725		
16	Nov-2024	105k	Minor	-	-	-	1,477	80,936	107,200	11,491		
17	Feb-2026	117k	-	-	-	-	1,572	89,494	117,060	11,847		
18	Sep-2026	121k	Major	Major	-	-						
19	Nov-2027	129k	Minor	-	-	-						

Maintenance Outages

Hagit 20												
No.	Date	Outage Concept	Outage					Counters				
			GT	Generator	ST	Additional Activities	Starts	OH	EOH	DOH		
1	May-2007	0k	First Start	-	-	-	-	0	0	0	0	
2		-	-	-	First Sync.	-	-	-	-	-	-	
3	Oct-2007	4k	Minor	-	-	-	-	181	1,961	4,360	588	
4	Mar-2008	8k	Minor	-	-	-	-	299	3,006	7,079	1,080	
5	Oct-2008	11k	Minor	-	-	-	-	443	4,916	10,816	1,470	
6	Nov-2009	16k	Minor	-	-	-	-	505	8,562	15,944	2,330	
7	Jan-2010			Generator Replacment due to Damage								
8	Oct-2010	24k	Minor	-	-	-	-	594	14,231	23,448	3,280	
9	Feb-2011	25k	HGPI	Minor	Minor	-	-	605	16,069	25,413	3,300	
10	Mar-2012	35k	Minor	Blower Impeller Repl.	-	-	-	693	23,179	35,113	5,000	
11	Jul-2012	37k	Minor	-	-	Emulsion System Inst.	-	753	23,781	36,913	5,593	
12	Nov-2012	40k	Minor	-	-	-	-	816	26,284	40,926	6,470	
13	Jun-2013	46k	Minor	-	-	-	-	863	30,596	46,071	6,832	
14	May-2014	50k	eHGPI	Medium	Medium	-	-	893	34,277	50,585	7,364	
15	Apr-2015	60k	Minor	-	-	-	-	898	44,548	61,676	8,133	
16	Apr-2016	70k	Minor	-	-	-	-	959	50,801	69,059	8,667	
17	May-2017	75k	eHGPI	Minor	Medium	-	-	999	57,143	76,033	8,900	
18	Sep-2018	83k	Minor	-	-	-	-	1,078	66,057	86,579	9,723	
19	Oct-2019	91k	Minor	-	-	-	-	1,145	73,866	95,460	10,123	
20	Jul-2021	102k	Major + RCIE + LTE	Major	Major	MAC-33 & MIC-11 Upg. + T3000 Upgrade	-	1,357	78,372	102,903	10,941	
21	Oct-2022	114k	Minor	-	-	-	-	1,455	87,713	115,312	13,029	
22	Apr-2024	128k	Minor	-	-	EPA Filtration System	-	1,492	99,276	127,692	13,480	
23	Oct-2025	140k	eHGPI + RCIE	Medium	Medium	-	-	1,588	109,850	139,955	14,206	
24	Feb-2026	141k	-	-	-	-	-	1,605	110,180	140,560	14,330	
25	Mar-2027	152k	Minor	-	-	-	-	-	-	-	-	

Maintenance Outages

Gezer 30												
No.	Date	Outage Concept	Outage				Counters					
			GT	Generator	ST	Additional Activities	Starts	OH	EOH	DOH		
1	Sep-2005	0k	First Start	-	-	-	-	0	0	0	0	
2	Jun-2007	-	-	-	First Sync.	-	-	-	-	-	-	
3	Sep-2007	4k	Minor	-	-	-	-	222	1,695	5,693	1,780	
4	Apr-2008	8k	Minor	-	-	-	-	313	2,786	8,284	2,370	
5	Nov-2008	12k	Minor	-	-	-	-	376	5,844	12,787	3,180	
6	May-2009	16k	Minor	-	-	-	-	386	9,283	17,001	3,860	
7	Sep-2009	20k	Minor	-	-	-	-	389	12,055	20,004	4,050	
8	Mar-2010	23k	eHGPI + Comp. Damage	Minor	Minor	-	-	395	15,220	22,334	3,160	
9	Mar-2011	31k	Minor	-	-	-	-	426	22,270	31,570	5,040	
10	Apr-2012	40k	Minor	-	-	-	-	449	29,681	39,543	5,370	
11	Oct-2012	44k	Minor	-	-	-	-	522	32,790	43,997	5,980	
12	May-2013	48k	eHGPI	Medium	Medium	-	-	613	35,184	47,510	6,190	
13	May-2014	56k	Minor	-	-	-	-	653	42,697	56,153	6,919	
14	May-2015	62k	Minor	-	-	-	-	678	48,548	62,376	7,041	
15	Nov-2016	72k	Minor	-	-	-	-	747	57,237	72,348	7,634	
16	Mar-2017	75k	HGPI	Minor + Aging	Medium	-	-	778	59,351	74,765	7,634	
17	Mar-2018	83k	Minor	-	-	-	-	809	65,918	82,050	8,042	
18	Mar-2019	91k	Minor	-	-	-	-	853	73,670	90,560	8,351	
19	Mar-2020	-	Minor (Partial)	-	-	-	-	905	80,857	98,743	8,836	
20	Nov-2020	102k	Major + LTE	Major	Major	-	EPA Filtration System MAC-33 & MIC-11 Upg. + T3000 Upgrade	917	84,413	102,636	9,050	
21	May-2022	114k	Minor	-	-	-	-	989	94,872	114,628	9,870	
22	Oct-2023	126k	Minor	-	-	-	-	1,052	106,113	126,814	10,181	
23	May-2025	138k	eHGPI + RCIE	Medium	Medium	-	-	1,149	116,463	138,297	10,344	
	Feb-2026	145k	Today	-	-	-	-	1,195	121,860	144,680	10,865	
	Nov-2026	150k	Minor	-	-	-	-	-	-	-	-	

Maintenance Outages

Gezer 40											
No.	Date	Outage Concept	Outage				Counters				
			GT	Generator	ST	Additional Activities	Starts	OH	EOH	DOH	
1	Feb-2006	0k	-	-	-	-	0	0	0	0	
2	Mar-2008	4k	-	-	First Sync.	-	204	1,441	4,262	780	
3	Oct-2008	10k	-	-	-	-	288	4,063	9,570	2,630	
4	Jun-2009	15k	-	-	-	-	305	8,456	15,063	3,560	
5	Nov-2009	20k	-	-	-	-	308	12,211	19,030	3,740	
6	May-2010	24k	-	-	-	-	332	15,697	23,323	4,310	
7	Nov-2010	28k	eHGPI	-	Minor	-	347	19,376	27,519	4,673	
8	Dec-2011	35k	Minor + Tile Failure	-	-	Bearing exchange and casing alignment	378	25,772	34,910	5,360	
9	Nov-2012	42k	Minor	-	-	-	446	31,126	41,875	6,289	
10	May-2013	45k	Minor	Generator (with 3,886 EOH) replacement due to Damage.	-	-	476	33,367	44,785	6,658	
11	Apr-2014	50k	eHGPI	Minor	Medium	-	508	38,492	50,666	7,089	
12	May-2015	58k	Minor	-	-	EPA Filtration System	545	45,272	58,560	7,833	
13	Oct-2015	61k	-	Replacement of HV bushings	-	-	550	47,512	61,044	8,027	
14	Sep-2016	67k	Minor	-	-	-	606	52,857	67,166	8,249	
15	Oct-2017	75k	HGPI	Minor	Medium	-	637	60,170	75,065	8,525	
16	Nov-2018	82k	Minor	-	-	-	696	65,530	81,788	9,300	
17	Nov-2019	90k	Minor	-	-	-	774	72,754	90,298	9,800	
18	Nov-2021	103k	Major + LTE + RCIE	Major	Major	MAC-33 & MIC-11 Upg. + T3000 Upgrade	882	83,445	103,270	11,001	
19	Apr-2023	114k	Minor	-	-	-	979	92,929	114,116	11,392	
20	Nov-2024	126k	Minor	-	-	-	1,040	104,418	126,509	11,685	
21	Feb-2026	138k	eHGPI + RCIE	Medium	Medium	-	1,097	114,730	137,630	11,923	
22	Oct-2027	152k	Minor	-	-	-	-	-	-	-	

Maintenance Outages

Haifa 30											
No.	Date	Outage Concept	Outage					Counters			
			GT	Generator	ST	Additional Activities	Starts	OH	EOH	DOH	
1	Sep-2011	0k	First Start	refurbished Generator (was operated between 5/2007 - 11/2009 on Hagit 2)	-		-	0	0	0	0
2	Mar-2012	-	-	-	First Start		-	50	928	1,851	422
3	Jun-2012	4k	Minor	-	-		Emulsion System Inst.	105	2,354	4,393	988
4	Dec-2012	8k	Minor	Blower Impeller Repl.	-		-	142	4,832	7,957	1,704
5	Mar-2014	18k	Minor	-	-		-	240	12,866	17,944	2,675
6	Mar-2015	25k	HGPI + Compr. Damage	Minor	Minor		-	275	20,053	25,790	2,987
7	May-2016	33k	Minor	-	-		-	330	26,993	33,916	3,623
8	Jun-2017	42k	Minor	-	-		-	364	34,922	42,634	4,072
9	Nov-2018	54k	eHGPI	Medium + Aging	Medium		MAC-33 & MIC-11 Upg.	372	45,287	53,624	4,617
10	Apr-2020	65k	Minor	-	-		-	466	55,900	65,285	4,719
11	Sep-2021	77k	Minor + Turbine Heavy Findings	-	-		-	515	67,201	77,664	5,305
12	Apr-2023	90k	eHGPI + RCIE	Medium	Medium		T3000 Upgrade	601	78,291	90,049	5,741
13	Jun-2024	100k	Minor	-	-		EPA Filtration System	667	86,452	99,099	5,969
14	Nov-2024	103k	4k Special Inspection	-	-		-	678	89,927	102,877	6,163
15	Nov-2025	112k	Minor	-	-		-	739	97,814	111,468	6,255
16	Feb-2026	114k	Today	-	-		-	752	99,842	113,625	6,256
17	Oct-2026	119k	Minor	-	-		-	-	-	-	-
18	Sep-2027	128k	Major	Major	Major		-	-	-	-	-

Maintenance Outages

Haifa 40											
No.	Date	Outage Concept	Outage				Counters				
			GT	Generator	ST	Additional Activities	Starts	OH	EOH	DOH	
1	May-2010	Ok	First Start	Manufactured in 2004 Stored till 2010	-	-	0	0	0	0	0
2	Apr-2011	-	-	-	First Start	-	133	588	2,742	823	
3	Jun-2012	9k	Forced outage (Fire)	-	-	Emulsion System Inst.	254	4,045	9,105	2,518	
4	Oct-2012	12k	Minor	Blower Impeller Repl.	-	-	272	5,699	11,158	2,737	
5	Nov-2013	20k	Minor	-	-	-	365	12,838	20,161	3,669	
6	Nov-2014	28k	HGPI	Minor	Minor	-	399	19,586	27,591	4,011	
7	Nov-2015	36k	Minor	-	-	-	435	27,376	36,143	4,410	
8	May-2016	40k	Special Inspection	-	-	-	461	30,714	39,952	4,628	
9	Nov-2016	44k	Minor	-	-	-	467	34,608	44,015	4,730	
10	Mar-2018	54k	eHGPI	Medium+Aging	Medium	MAC-33 & MIC-11 Upg.	500	43,999	53,802	4,803	
11	Sep-2019	66k	Minor	-	-	-	574	54,678	66,268	5,850	
12	Apr-2021	79k	Minor	-	-	-	661	66,303	79,162	6,239	
13	Mar-2022	88k	eHGPI	Medium	Medium	T3000 Upgrade	702	73,198	86,703	6,474	
14	Oct-2023	99k	Minor (Partial)	-	-	-	771	84,206	98,991	7,065	
15	Mar-2024	102k	Minor + IGV failure	-	-	EPA Filtration System	789	87,012	101,977	7,065	
16	May-2025	112k	Minor	-	-	-	844	96,170	112,063	7,443	
17	Nov-2025	116k	Special 4k Inspection	-	-	-	858	100,109	116,156	7,457	
18	Feb-2026	118k	-	-	-	-	867	101,880	118,090	7,531	
19	May-2026	120k	Minor	-	-	-					
20	Oct-2026	124k	3K inspection	-	-	-					
21	Feb-2027	128k	Major	Major	Major	-	-	-	-	-	-

Technical Data

Technical Data						
Unit	Hagit 10	Hagit 20	Gezer 30	Gezer 40	Haifa 30	Haifa 40
Year of start of Operation	2010	2007	2005	2006	2011	2010
Unit Configuration	Combined Cycle Dual Shaft	Combined Cycle - Single Shaft				
Gas Turbine	Manufacturer	Siemens	Siemens			
	Frame (Service Package)	SGT5-4000F (6)	SGT5-4000F (2)			
Generator	Manufacturer	Siemens	Siemens			
	Cooling	Air-Cooled	Hydrogen-Cooled			
	Model	SGEN-1000A 118/55	SGEN-3000W (THDF108/53)			
Excitation System	SEMIPOL D3	SEMIPOL D4				
Steam Turbine	Manufacturer	Skoda	Siemens			
	Model	Not in the Scope	SST5-3000			
Control System	TXP/SPPA T3000					
Fuel Type	Dual Fuel (NG + LF)					
Outage Concept	33 KEOH for eHGPI. 100 KEOH for Major 11 KEOH for Minor					
Operational Regime	Continuous, Base-Load, 7,000 - 8,000 OH per Year					