

Air Products' experience:

Leadership in mid-scale to large LNG plant projects



Country	Location/Project	Initial Start-Up	Trains	LNG Capacity per Train (MTPA)	LNG Process
Abu Dhabi (UAE)	Das Island	1977	2	1.7	AP-C3MR™
		1994	1	2.6	AP-C3MR
Algeria	Arzew	1977	6	1.3	AP-C3MR
		1981	6	1.4	AP-C3MR
		2014	1	4.7	AP-C3MR/SplitMR®
	Skikda	2013	1	4.5	AP-C3MR/SplitMR
Australia	NWS	1989–1992	3	2.5	AP-C3MR
	Gorgon	2016	3	5.2	AP-C3MR/SplitMR
	Prelude (FLNG)	2019	1	3.6	DMR
	Ichthys	2018	2	4.45	AP-C3MR/SplitMR
Brunei	Lumut	1972–1974	5	1.3	AP-C3MR
Canada	Squamish	2023	1	2.1	AP-C3MR
China	Ningxia Hanas Shaanxi Yangling FengZhen	2012	2	0.4	AP-SMR™
		2015	1	0.5	AP-SMR
		2019	1	0.3	AP-SMR
Egypt	SEGAS	2004	1	5	AP-C3MR/SplitMR
Indonesia	Bontang	1977–1997	7	2.8	AP-C3MR
		1999	1	3	AP-C3MR
	Arun Tangguh Donggi	1978–1986	6	2	AP-C3MR
		2009, 2021	3	3.8	AP-C3MR/SplitMR
		2015	1	2.1	AP-C3MR
Libya	Marsa el Brega	1970	4	0.8	AP-SMR
Malaysia	Satu	1982	3	2.8	AP-C3MR
	Dua	1995	3	3.2	AP-C3MR
	Tiga	2003	2	3.8	AP-C3MR
	Petronas 9	2016	1	3.6	AP-C3MR/SplitMR
	PFLNG Satu	2016	1	1.2	AP-N™
	PFLNG Dua	2021	1	1.5	AP-N
Mexico	Energia Costa Azul	2023	1	3.25	AP-DMR™
Mozambique	South Coral (FLNG) Mozambique LNG	2022	1	3.4	AP-DMR
		2024	2	6.4	AP-C3MR
Nigeria	Bonny Island	1999–2002	3	3.2	AP-C3MR
		2005–2007	3	4.1	AP-C3MR
		2023+	2	8	AP-C3MR
Oman	Oman LNG	2000	2	3.3	AP-C3MR
		2006	1	3.7	AP-C3MR
Papua New Guinea	PNG LNG	2014	2	4	AP-C3MR
Peru	Peru LNG	2010	1	4.5	AP-C3MR/SplitMR
Qatar	Qatargas	1996–1999	3	3.3	AP-C3MR
		2009–2011	4	7.8	AP-X®
	Rasgas	2025	4	7.8	AP-X
		1999–2000	2	3.3	AP-C3MR
		2004–2006	3	4.7	AP-C3MR/SplitMR
		2009–2010	2	7.8	AP-X®
Russia	Yamal	2017	3	5.5	AP-C3MR
United States	Cove Point	2018	1	5.25	AP-C3MR
	Freeport	2019	3	5	AP-C3MR
	Cameron	2019	3	4.4	AP-C3MR/SplitMR
	Golden Pass	2024	3	5.2	AP-C3MR/SplitMR
Yemen	Bal-Haf	2009	2	3.4	AP-C3MR/SplitMR
Total Trains			121		

Air Products' experience: Small-scale/peakshaver LNG plant projects

Country	Location/Project	Start-Up	LNG Capacity MMSCFD (TPD)	Air Products Process
England	British Gas Council	1981	11 (227 TPD)	AP-N
Japan	Japex	2004	7 (144 TPD)	AP-N
		2007	10 (206 TPD)	AP-N
United States	Alabama Gas Co.	1965	5 (103 TPD)	Cascade
	Massachusetts LNG	1973	8 (165 TPD)	AP-SMR
	Hopkinton LNG Corp	1977	19 (392 TPD)	Cascade
	Cove Point LNG	1994	15 (310 TPD)	AP-SMR
	Keyspan LNG	2001	6 (124 TPD)	AP-N
	Philadelphia Gas Works	2002	16 (330 TPD)	AP-C1
	National Grid	2019	20 (412 TPD)	AP-N

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Air Products is a world leading industrial gases company celebrating 75 years of operation. The company's core industrial gases business provides atmospheric and process gases and related equipment to manufacturing markets, including refining and petrochemical, metals, electronics, and food and beverage. Air Products is also the world's leading supplier of liquefied natural gas process technology and equipment.

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