

## Cryogenic and Refrigerated Tank Projects List

18-May-22

Date	Customer	End User	Location	Project	Product	Type	Size
Dec 21	TGE Gas Engineering	ETI Bakir A.S	Turkey	Design of 1 x 21,181 m <sup>3</sup> Ammonia Tank	Ammonia	steel/steel	21,181 m <sup>3</sup>
Oct 21	TGE Gas Engineering	Confidentail	Netherlands	FEED - Repurposing 2 x 32,000m <sup>3</sup> Double Containment Tanks	Ammonia	steel/steel	32,000 m <sup>3</sup>
Aug-21	TGE Gas Engineering	Guangdong Yangjiang Hailingwan LNG Co.Ltd	China	Design and Detail of 2 x 160,000m <sup>3</sup> LNG Tanks	LNG	steel/concrete	160,000 m <sup>3</sup>
Apr-21	Tutis Energy	Calor Gas	UK	Installation of New Instruments in Existing Propane Tanks Manways	Propane	steel/steel	
Mar-21	Grain LNG	Grain LNG	UK	Owners Engineer Team for Tank Design	LNG	steel/concrete	180,000 m <sup>3</sup>
Mar-21	TGE Gas Engineering	Huizhou LNG Terminal Project	China	Design and Detail of 3 x 200,000m <sup>3</sup> LNG Tanks	LNG	steel/concrete	200,000 m <sup>3</sup>
Jan-21	TGE Gas Engineering	Taixing	China	Design and detail of 2 x 120,000m <sup>3</sup> Propane Tanks	Propane	steel/concrete	120,000 m <sup>3</sup>
Jul-20	TGE Gas Engineering	Polaski LNG	Poland	Design and detail of 1 x 180,000m <sup>3</sup> LNG Tank	LNG	steel/concrete	180,000 m <sup>3</sup>
Mar-20	Sharps Tanks & Structural (P) LTD	SUPERGAS ENERGY Pvt Ltd.	India	Design and detail 2 x 25,880 m <sup>3</sup> Propane Butane Tanks	Propane / Butane	steel/steel	25,880 m <sup>3</sup>
Oct-19	Sharps Tanks & Structural (P) LTD	NGC Energy India PVT Ltd.	India	Designs and Details 2 x 27,823 m <sup>3</sup> Propane Butane Tanks	Propane / Butane	steel/steel	27,823 m <sup>3</sup>
Jan-19	Bechtel	Driftwood LNG	USA	Design and detail 2 x 235,000 m <sup>3</sup> LNG - Civil only	LNG	steel/concrete	235,000 m <sup>3</sup>
Sep-18	TGE Gas Engineering	Inner Mongolia HuiNeng Coal Chem Co.	China	Design and detail 1 x 120,000 m <sup>3</sup> LNG	LNG	steel/concrete	120,000 m <sup>3</sup>
Feb-18	TGE Gas Engineering	Ningbo Huatai Wealthy Polymer Co	China	Design and Detail 1 x 160,000m <sup>3</sup> Ethane/Propane	Ethane/Propane	steel/concrete	160,000 m <sup>3</sup>
Feb-18	TGE Gas Engineering	Exxon Mobil	Netherlands	Design and Detail 1 x 7,735m <sup>3</sup> Propane	Propane	steel/steel	7,735 m <sup>3</sup>
Feb-18	Bechtel	Cheniere Corpus Christi	USA	Design and detail 1 x 160,000 m <sup>3</sup> LNG - Civil only	LNG	steel/concrete	45,000 m <sup>3</sup>
Jan-18	TGE Gas Engineering	Meghna PVC Ltd (MPVC)	Bangladesh	Design and detail 1 x 20,000 m <sup>3</sup> Ethylene Storage Tank	Ethylene	steel/steel	20,000 m <sup>3</sup>
Dec-17	Whesoe Philippines Construction.Inc.	Petron Bataan Refinery	Philippines	Sphere Design Verification and Piping Design	Propylene	Steel Sphere	8,000 m <sup>3</sup>
Oct-17	TGE Gas Engineering	Oiltanking AGT	Belgium	Design and detail 1 x 135,000 m <sup>3</sup> Butane/Propane/Propylene	LPG	steel/concrete	135,000 m <sup>3</sup>
Dec 16	Vijay Tanks	Ramagundam	India	Detail design of 2 x 14,600 m <sup>3</sup> Ammonia Tanks, Outline Struct. & Piping	Ammonia	steel/steel	14,600 m <sup>3</sup>
Nov-16	Altagas	Altagas	Canada	Design and detail 1 x 89,400 m <sup>3</sup> Propane Tank, Foundation, Struct. & Piping	Propane	steel/concrete	89,000 m <sup>3</sup>
Nov-16	Bechtel	Shell Chemical Appalachia LLC	USA	Design and detail 1 x 30,000 m <sup>3</sup> LNG - Civil only	LNG	steel/concrete	30,000 m <sup>3</sup>
Nov-16	Technip	Adani	India	ITB verification 1 x 180,000 m <sup>3</sup> LNG	LNG	steel/concrete	180,000 m <sup>3</sup>
Oct 16	TGE Gas Engineering	OT-AGT	Belgium	FEED Design of 1 x 135,000 m <sup>3</sup> Butane	Butane	steel/concrete	135,000 m <sup>3</sup>
Oct 16	TGE Gas Engineering	Guanghui	China	Design and detail 1 x 160,000 m <sup>3</sup> LNG	LNG	steel/concrete	160,000 m <sup>3</sup>
Sep-16	TGE Gas Engineering	Vinythai	Thailand	Design 1 x 25,000 m <sup>3</sup> Ethylene	Ethylene	steel/steel	25,000 m <sup>3</sup>
Feb-16	TGE Gas Engineering	Taixing	China	Design and detail of 2 Ethane Tanks	Ethane	steel/concrete	120,000 m <sup>3</sup>
Feb-16	TGE Gas Engineering	Taixing	China	Design and detail of 1 Propane Tank	Propane	steel/concrete	120,000 m <sup>3</sup>
Oct-15	Confidential	Confidential	Confidential	Tank FEED 98,000m <sup>3</sup> Propane	Propane	steel/concrete	98,000 m <sup>3</sup>
Sep-15	Confidential	Confidential	Confidential	Failure investigation and repair evaluation	LNG	steel/steel	127,000 m <sup>3</sup>
Sep-15	TGE Gas Engineering	Gazprom	Russia	Design and detail 1 x 43,000 m <sup>3</sup> LNG	LNG	steel/concrete	43,000 m <sup>3</sup>
Jan-15	Fluor	Fluxys	Belgium	Owners Engineer Team for Tank Design	LNG	steel/concrete	180,000 m <sup>3</sup>
Dec-14	Atkins Global	EMA Singapore	Singapore	Investigation into increased strength tank	LNG	steel/concrete	260,000 m <sup>3</sup>
Dec-14	Confidential	Confidential	Confidential	Failure investigation - Foundation & Revalidation	LPG	steel	30,000 m <sup>3</sup>
Dec-14	Singapore LNG	Singapore LNG	Singapore	Owners Engineer Team for Tank Design	LNG	steel/concrete	260,000 m <sup>3</sup>
Oct-14	Noretyl	Noretyl	Norway	Tank repairs and revalidation	Ethane	steel/steel	22000 m <sup>3</sup>
Aug-14	TGE Gas Engineering	Zhoushan	China	Zhoushan	LNG	steel/concrete	160,000 m <sup>3</sup>
Jul-14	Atkins Global	EMA Singapore	Confidential	Concept Study for Below and above ground tank options at new site	LNG	steel/concrete	260,000 m <sup>3</sup>
Jul-14	TGE Gas Engineering	Xiniao Gas	China	Design and detail 2 x 160,000 m <sup>3</sup> LNG	LNG	steel/concrete	160,000 m <sup>3</sup>

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Jun-14	TGE Gas Engineering	Shenzhen Gas	China	Design and detail 1 x 80,000 m <sup>3</sup> LNG	LNG	steel/concrete	80,000 m <sup>3</sup>
Jun-14	TGE Gas Engineering	Borealis	Sweden	Design and Detail of 1 x 60,000m <sup>3</sup> ethylene tank	Ethylene	steel/concrete	60,000 m <sup>3</sup>
May-14	Bechtel	Fortis BC	Canada	Design and detail 1 x 45,000 m <sup>3</sup> LNG - Civil only	LNG	steel/concrete	160,000 m <sup>3</sup>
Feb-14	Bechtel	Corpus Christi	USA	Design and detail 1 x 160,000 m <sup>3</sup> LNG - Civil only	LNG	steel/concrete	45,000 m <sup>3</sup>
Jan-14	TGE Gas Engineering	INEOS	Scotland	Design and detail 1 x 60,000m <sup>3</sup> Ethane	Ethane	steel/concrete	60,000 m <sup>3</sup>
Feb-14	Fortune Gas	Shenzhen Gas	China	Design and detail 1 x 20,000 m <sup>3</sup> LNG	LNG	steel/steel	20,000 m <sup>3</sup>
Nov-13	Huaqing	Huaqing	China	Design and detail 2 x 10,000 m <sup>3</sup> LNG	LNG	steel/steel	10,000 m <sup>3</sup>
Oct-13	TGE Gas Engineering	INEOS	Scotland	Tank FEED Design 1 x 60,000m <sup>3</sup> Ethane	Ethane	steel/concrete	60,000 m <sup>3</sup>
Jul-13	Chemtex	Shangrui Meifang	China	Design and detail 1 x 20,000 m <sup>3</sup> LNG	LNG	steel/steel	20,000 m <sup>3</sup>
Jun-13	Belleli	Dubai Gas	Dubai	Design and Detail 1 x 50,000 m <sup>3</sup> Butane	Butane	steel	50,000 m <sup>3</sup>
Mar-13	TGE Gas Engineering	Huagang LNG	China	Design and detail 2 x 30,000 m <sup>3</sup> LNG	LNG	steel/concrete	30,000 m <sup>3</sup>
Feb-13	Worley Parsons	Singapore LNG	Singapore	Tank FEED Design Phase 3 LNG Expansion 1 x 80,000 m <sup>3</sup> , 1 x 180,000 m <sup>3</sup> , 1 x 260,000m <sup>3</sup>	LNG	steel/concrete	260,000 m <sup>3</sup>
Dec-12	TGE Gas Engineering	Alexela Paldiski	Estonia	Tank FEED Design 3 x 20,000 m <sup>3</sup> propane / butane	Propane/Butane	steel/concrete	20,000 m <sup>3</sup>
Dec-12	TGE Gas Engineering	Shanghai Chlor-Alkali	China	Design and Detail of 1 x 30,000m <sup>3</sup> ethylene tank	Ethylene	steel/steel	30,000 m <sup>3</sup>
Nov-12	TGE Gas Engineering	Rafnes	Norway	Design and Detail of 1 x 35,000m <sup>3</sup> ethane tank	Ethane	steel/concrete	30,000 m <sup>3</sup>
Nov-12	TGE Gas Engineering	CNOOC	China	Design and Detail of 4 x 160,000 m <sup>3</sup> LNG Tank	LNG	steel/concrete	160,000 m <sup>3</sup>
Nov-12	TGE Gas Engineering	Daepeng LNG	China	Design and detail of 160,000 m <sup>3</sup> LNG Tank	LNG	steel/concrete	160,000 m <sup>3</sup>
Nov-12	Sofregaz	Sinopec, China	China	Design of 6 x 160,000 m <sup>3</sup> LNG tanks	LNG	steel/concrete	160,000 m <sup>3</sup>
Nov-12	CIMC Santum	Beijing Chuangke Xinneng Tech Co	China	Design and Detail of 30,000 m <sup>3</sup> LNG Tank	LNG	steel/steel	30,000 m <sup>3</sup>
Nov-12	Chemtex	North Energy	China	Design and Detail of 20,000 m <sup>3</sup> LNG	LNG	steel/steel	20,000 m <sup>3</sup>
Nov-12	Chemtex	Hongxia Yitai	China	Design and Detail of 30,000 m <sup>3</sup> LNG Tank	LNG	steel/steel	30,000 m <sup>3</sup>
Sep-12	Sinopec Engineering	SEI	China	Design assistance for 1 x 100,000m <sup>3</sup> propylene tank	Propylene	steel/concrete	100,000 m <sup>3</sup>
Aug-12	Chemtex	Ningxia Hongxing	China	Design and detail of 1 LNG Tank	LNG	steel/steel	20,000 m <sup>3</sup>
Jul-12	TGE Gas Engineering	Ningxia Zhongwei	China	Design and detail for 1 x 50,000m <sup>3</sup> LNG tank	LNG	steel/steel	50,000 m <sup>3</sup>
Jul-12	TGE Gas Engineering	Yangzhou	China	Design and detail of 1 ethylene Tank	Ethylene	steel/concrete	50,000 m <sup>3</sup>
Apr-12	TGE Gas Engineering	Ningbo Haiyue	China	Design and detail of 1 Propane Tank	Propane	steel/concrete	120,000 m <sup>3</sup>
Feb-12	Grain LNG	National Grid (British Gas)	UK	FEED / Consultancy for Phase 4 Tanks	LNG	Steel/Concrete	190,000 m <sup>3</sup>
Mar-12	TGE Gas Engineering	Jilin Qianyuan	China	Design and detail of 1 LNG Tank	LNG	Steel/Steel	10,000 m <sup>3</sup>
Nov-11	TGE Gas Engineering	Qingdao Haijing	China	Mechanical design of ethylene tank	Ethylene	steel/concrete	50,000 m <sup>3</sup>
Nov-11	TGE Gas Engineering	TGE Gas Engineering	Germany	Review of Design Details by Others	LPG	Steel/Steel	20,000 m <sup>3</sup>
Nov-11	TGE Gas Engineering	TGE Gas Engineering	Germany	Pipe stressing	LNG	steel/concrete	
Oct-11	Atkins Global	EMA Singapore	Singapore	Feasibility Study, 260,000 m <sup>3</sup> Tank	LNG	steel/concrete	250,000 m <sup>3</sup>
Oct-11	National Grid	National Grid	UK	Site Start Up Audit of Heat Transfer System Power station to LNG Tanks	LNG	steel/concrete	190,000 m <sup>3</sup>
Oct-11	Dragon LNG	Dragon LNG	UK	Consultancy	LNG	steel/concrete	160,000 m <sup>3</sup>
Jun-11	Talisman	Talisman	UK	Investigation of problems with elderly tank	LPG	steel/steel	
May-11	CIMC Santum	CIMC Santum	China	Review of tank design and drawings	LNG	Steel/Steel	10,000 m <sup>3</sup>
Apr-11	Chemtex at Yuanheng	Shannxi Jingbian Xingyuan Ind Ltd	China	Design and detail of 1 LNG Tank	LNG	Steel/Steel	20,000 m <sup>3</sup>

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Apr-11	Chemtex at Xingyuan	Yuanheug Natural gas Co Ltd	China	Design and detail of 1 LNG Tank	LNG	Steel/Steel	20,000 m <sup>3</sup>
Mar-11	Chemtex at WuHai	Wuhai Natural Gas Co	China	Design and detail of 2 LNG Tanks	LNG	Steel/Steel	20,000 m <sup>3</sup>
Mar-11	Chemtex at Bazhou	Hebei Natural Gas Co Ltd	China	Design and detail of 2 LNG Tanks	LNG	Steel/Steel	20,000 m <sup>3</sup>
Feb-11	HQCEC, Dalian	CNPC	China	Mill Inspection and Validation of 9% Ni Plates for LNG Tank	LNG	Steel/Concrete	160,000 m <sup>3</sup>
Feb-11	Grain LNG	National Grid (British Gas)	UK	Site Start Up Audit of Phase 3 Tank	LNG	Steel/Concrete	190,000 m <sup>3</sup>
Sep-10	TGE Gas Engineering, Germany	Ineos, Belgium	Belgium	Design and detail of Ethylene tank	Ethylene	Steel/Concrete	50,000 m <sup>3</sup>
Sep-10	Sofregas, Paris	Sinopec	China	Design of 6 LNG tanks for Shangdong (Qingdao) project	LNG	Steel/Concrete	160,000 m <sup>3</sup>
Aug-10	Tecnimont, Milan	ENEL, Italy	Italy	Early works for slurry walls & 2 buried LNG tanks, Sicily LNG.	LNG	Steel/Concrete	160,000 m <sup>3</sup>
Jun-10	Atkins Global Poland LNG	Polskie LNG	Poland	Investors Engineer Team for Tank Design	LNG	Steel/Concrete	160,000 m <sup>3</sup>
Jun-10	National Grid (British Gas)	National Grid (British Gas)	UK	Feasibility of Small Scale LNG Liquefaction for a NG site	LNG	Steel/Concrete	
Apr-10	Chemtex at GuangYuan	CNGC Guangyuan Natural Gas Co	China	Design and detail of 1 LNG Tank	LNG	Steel/Steel	20,000 m <sup>3</sup>
Nov-09	Punj Lloyd Ltd	Indian Oil	India	2 off LPG Tanks for Ennore	Propane/Butane	Steel/Steel	25,500 m <sup>3</sup>
Nov-09	TGE Gas Engineering, Germany	CNOOC, Ningbo, China	China	Design of 3 off LNG Tanks	LNG	Steel/Concrete	160,000 m <sup>3</sup>
Nov-09	Chemtex at Guang'an	CNGC Guang'an Natural Gas Co	China	Design and detail of 1 LNG Tank	LNG	Steel/Steel	20,000 m <sup>3</sup>
Aug-09	Steiner-Prematechnik	IGEDC, Bid Boland	Iran	2 off Butane Tanks	Butane	Steel/Steel	22500 m <sup>3</sup>
Aug-09	Steiner-Prematechnik	IGEDC, Bid Boland	Iran	2 off Propane Tanks	Propane	Steel/Steel	52500 m <sup>3</sup>
Jun-09	Etimaad, Pakistan	Dawood Hercules, Lahore	Pakistan	1 off ammonia tank	Ammonia	Steel/Steel	6,000 m <sup>3</sup>
Jun-09	Sofregas, Paris	DEPA, Revithousa	Greece	pre-FEED Stage Design of 1 x 90,000 m <sup>3</sup> LNG Tank, partly buried	LNG	steel/concrete	90,000 m <sup>3</sup>
May-09	TGE, Germany	REN, Sines	Portugal	1 x 160,000m <sup>3</sup> LNG tank for existing terminal	LNG	steel/concrete	160,000 m <sup>3</sup>
Jan-09	Paresa for Norgal	Total	France	Initial Design of Butane tank	Butane	Steel+ Concrete Wall	50,000 m <sup>3</sup>
Jan-09	Tecnimont, Milan	ENEL, Italy	Italy	Civil & Mechanical FEED designs for slurry walls & 2 buried LNG tanks.	LNG	Steel/Concrete	160,000 m <sup>3</sup>
Jan-09	British Gas, Chile	British Gas International	Chile	Consultancy to review heat leak calcs, 10,000 m <sup>3</sup> and 100,000 m <sup>3</sup>	LNG	Steel/Concrete	100,000 m <sup>3</sup>
Dec-08	Sofregas, Paris	ENI - GLN, Panigaglia	Italy	FEED Stage Design of 2 x 110,000 m <sup>3</sup> LNG Tanks	LNG	Steel/Concrete	110,000 m <sup>3</sup>
Oct-08	Grain LNG	National Grid (British Gas)	UK	Site Start Up Audit of Phase 2 Tanks	LNG	Steel/Concrete	190,000 m <sup>3</sup>
Jul-08	HQCEC for PetroChina, Dalian	PetroChina	China	Design of 3 Tanks for Import Terminal	LNG	Steel/Concrete	160,000 m <sup>3</sup>
Jul-08	HQCEC for PetroChina, Jiangsu	PetroChina	China	Design of 3 Tanks for Import Terminal	LNG	Steel/Concrete	160,000 m <sup>3</sup>
Jun-08	WLGE for ENGRO	Engro	Pakistan	1 off Ammonia tank and Piping	Ammonia	Steel/Steel	15,000 m <sup>3</sup>
May-08	TGE Gas Engineering	Sinopec Zhenhai Refining	China	Design of Ethylene Tank roof and deck	Ethylene	Steel/Steel	30,000 m <sup>3</sup>
May-08	TGE Gas Engineering	Sinopec Zhenhai Refining	China	Design of Propylene Tank roof and deck	Ethylene	Steel/Steel	20,000 m <sup>3</sup>
May-08	ETH, Zurich	CERN	Europe	Largescale storage of Argon for High Energy Physics Experiment	Argon	Steel/Concrete	70,000 m <sup>3</sup>
Apr-08	WLGE, Kharg Island for IOOC	IOOC	Iran	3 off Propane / Butane Tanks	Propane/Butane	Steel/Concrete	45,000 m <sup>3</sup>
Apr-08	Eon-Ruhrgas - Total	Adria LNG	Croatia	Owners Engineer Team for Tank Design	LNG	Steel/Concrete	160,000 m <sup>3</sup>
Feb-08	Chemtex for Xilan	Jingbian Xilan LNG Co Ltd	China	LNG Tank and Loading System	LNG	Steel/Steel	10,000 m <sup>3</sup>
Feb-08	Technip		Saudi	Failure investigation of perlite conc and repair scheme	LPG	Steel/Steel	55,000 m <sup>3</sup>
Feb-08	WLGE (for Confidential Client)		UK	Ethylene Tank FEED Stage	Ethylene	Steel/Concrete	15,000 m <sup>3</sup>

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Jul-07	Dragados, Spain	Lanzhou Gas and Chemical Group	China	LNG Tank and Loading System	LNG	Steel/Steel	6,000 m <sup>3</sup>
Jun-07	WLGE for Vopak, Karachi	Engro Vopak	Pakistan	Ethylene Project	Ethylene	Steel/Steel	12,500 m <sup>3</sup>
Feb-07	TGE Gas Engineering	Formosa Petrochemical Corp	Taiwan	Ethylene and Propylene Project	Propylene	Steel/Concrete	80,000 m <sup>3</sup>
Feb-07	TGE Gas Engineering	Formosa Petrochemical Corp	Taiwan	Ethylene and Propylene Project	Ethylene	Steel/Concrete	80,000 m <sup>3</sup>
Feb-07	Eon-Ruhrgas	Eon	Germany	Owners Engineer Team for Tank Design	LNG	Steel/Concrete	160,000 m <sup>3</sup>
Jan-07	Confidential		USA	Investigation of Nozzle Design on LNG Tanks	LNG	Steel/Steel	120,000 m <sup>3</sup>
Dec-06	WLGE, UK	IOOC for NIOC	Iran	1 off Butane Tank, Sirri Island	Butane	Steel/Concrete	35,000 m <sup>3</sup>
Dec-06	WLGE, UK	IOOC for NIOC	Iran	1 off Propane Tank, Sirri Island	Propane	Steel/Concrete	45,000 m <sup>3</sup>
Nov-06	OK LNG	British Gas International	Nigeria	Consultancy on Tank Design	LNG	Steel/Concrete	200,000 m <sup>3</sup>
Nov-06	Investa	Investa	Singapore	Ammonia Tank	Ammonia	Steel/Steel	8,800 m <sup>3</sup>
Sep-06	Brindisi LNG	British Gas International	Italy	Consultancy on Tank Design, Mechanical and Civil	LNG	Steel/Concrete	160,000 m <sup>3</sup>
Aug-06	Chemtex, USA	Huixin Da Zhou Energy Source Ltd	China	1 off LNG Tank and System	LNG	Steel/Steel	10,000 m <sup>3</sup>
Jun-06	Grain LNG	National Grid (British Gas)	UK	Consultancy/Owners Engineer on Isle of Grain, Phase 3 LNG Tank	LNG	Steel/Concrete	190,000 m <sup>3</sup>
Mar-06	Vijay Tanks, Bechtel USA	Angola LNG	Angola	Preliminary Design of Tanks, Mechanical and Civil	LPG	Steel/Concrete	160,000 m <sup>3</sup>
Dec-05	Chemtex, USA	Erdos Xingxing Energy	China	1 off LNG Tank and System with Road Tanker Loading	LNG	Steel/Steel	10,000 m <sup>3</sup>
Jun-05	WLGE - OIEC for NIOC	OIEC for NIOC	Iran	2 off Propane Tanks, S Pars	Propane	Steel/Concrete	45,000 m <sup>3</sup>
Jun-05	WLGE - OIEC for NIOC	OIEC for NIOC	Iran	2 off Butane Tanks, S Pars	Butane	Steel/Concrete	35,000 m <sup>3</sup>
Mar-05	WLGE Kharg Petrochemical	Kharg Petrochemical Co	Iran	LPG Tank	Propane/Butane	Steel/Steel	34,500 m <sup>3</sup>
Jan-05	NG Transco	National Grid (British Gas)	UK	Repairs to In-Service LNG Tank	LNG	Steel/Concrete	20,000 m <sup>3</sup>
Dec-04	Tractebel Gas Engineering	Formosa Petrochemical (Ningbo)	China	Ningbo, Design and detail of Ethylene Tank	Ethylene	Steel/Concrete	80,000 m <sup>3</sup>
Dec-04	Tractebel Gas Engineering	Formosa Petrochemical (Ningbo)	China	Ningbo, design and detail of Propylene Tank	Propylene	Steel/Concrete	80,000 m <sup>3</sup>
Dec-04	PT Badak	PT Badak, Bontang Bay	Indonesia	Site Investigation & Report on LNG Tank Failure	LNG	Steel/Steel	127,300 m <sup>3</sup>
Oct-04	Vijay Tanks / Technip	Chemplast Sanmar Ltd	India	Ethylene Storage Tank	Ethylene	Steel/Steel	7,500 m <sup>3</sup>
Sep-04	Thermo Design, Canada / WLGE	IOOC	Iran	Outline Engineering and Specifications for LPG Tanks	LPG	Steel/Steel	40,000 m <sup>3</sup>
Jul-04	Tractebel Gas Engineering	Sanjiang Chemical Industry Jiaying	China	Design of Ethylene Tank Roof and Inner Tank	Ethylene	Steel/Steel	20,000 m <sup>3</sup>
May-04	Dow Chemical	Dow Chemical	Spain	Consultancy for De-commissioning and Re-commissioning of 2 Tanks	LPG	Aluminium/Steel	9,000 m <sup>3</sup>
Jun-04	Grain LNG	National Grid (British Gas)	UK	Consultancy/Owners Engineer on Isle of Grain, Phase 2, LNG Tanks	LNG	Steel/Concrete	190,000 m <sup>3</sup>
Feb-04	Tissot, France	MWK, Kermensha	Iran	Ammonia Tank	Ammonia	Steel/Steel	14,650 m <sup>3</sup>
Jan-04	Tractebel Gas Engineering	Formosa Petrochemical Corp	Taiwan	3 x Ethylene & Propylene Storage Tanks	Ethylene	Steel/Concrete	80,000 m <sup>3</sup>
Jan-04	Vopak / WLGE	Vopak	China	Design and Detail of Ethylene Storage Tank	Ethylene	Steel/Steel	15,000 m <sup>3</sup>
Aug-03	British Gas	British Gas International	Tunisia	LPG Storage Study, Spheres/In-ground	LPG	Steel	-
Jun-03	British Gas / Brindisi LNG	British Gas International	Italy	Owners Engineering Team.	LNG	Steel/Concrete	160,000 m <sup>3</sup>
Jan-03	CMP, Dunkerque	Qatar Petroleum Co	Qatar	6 Crude Oil Tanks, 1 Cone Roof Surge Tank	Crude Oil	Steel	-
Jun-02	Tractebel Gas Engineering	Jangsu Leasty Chemical Co	China	Design & Analysis of Ethylene Tank Roof	Ethylene	Steel/Steel	20,000 m <sup>3</sup>
May-02	Paresa Agip	Agip, Libya	Libya	Design & Detailing of 4 LPG Tanks	LPG	Steel/Steel	24,000 m <sup>3</sup>

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Apr-02	Transco LNG Storage, Isle of Grain	British Gas (Transco)	UK	Review of LNG Tank Design, Phase 1	LNG	Steel/Concrete	20,000 m <sup>3</sup>
Mar-02	Tractebel Gas Engineering	Damietta	Egypt	Design of LPG Tanks	LPG	Steel/Steel	30,000 m <sup>3</sup>
Feb-02	LGE Process			LPG Piping Stress Analysis on Ship	LPG	-	-
Dec-01	Transco LNG Storage	British Gas (Transco)	-	Confidential LNG Tank Study	LNG	Steel/Concrete	20,000 m <sup>3</sup>
Nov-01	CMP		Iran	Initial Design and MTO of 2 LPG Tanks	LPG	Steel/Steel	30,000 m <sup>3</sup>
Nov-01	Transco LNG Storage	British Gas (Transco)	UK	Confidential Study, LNG Project	LNG	-	-
Jun-01	Kverner	Dabhol	India	Fit-for Purpose LNG Tank Assessment	LNG	Steel/Concrete	150,000 m <sup>3</sup>
Mar-01	Transco LNG Storage, Isle of Grain	British Gas (Transco)	UK	Consultancy on Isle of Grain Phase 1, LNG Tank Refurbishment	LNG	Steel/Concrete	20,000 m <sup>3</sup>
Jan-01	Transco LNG Storage	British Gas (Transco)	UK	Consultancy on LNG Tank Audit	LNG	Steel/Concrete	20,000 m <sup>3</sup>
Dec-00	Paresa		Italy	Pre-Design of 4 Refrigerated Storage Tanks	LPG	Steel/Steel	20,000 m <sup>3</sup>
Nov-00	Transco LNG Storage	British Gas (Transco)	UK	Consultancy on Seismic Capability of Existing LNG Tanks	LNG	Steel/Concrete	20,000 m <sup>3</sup>
Aug-00	BSL Industries		France	Design and Stress Analysis of Dome Roof for 14,000 m <sup>3</sup>	LPG	Steel/Steel	14,000 m <sup>3</sup>
May-00	AMEC	British Gas	UK	Pipe Stress Analysis, LNG Site, Partington	LNG	Steel/Steel	-
Oct-00	British Gas Storage	British Gas	UK	Modification to LNG Overflow	LNG	Steel/Steel	-
Mar-00	British Gas Storage, Dynevor	British Gas	UK	Stress Analysis of LNG Plant Pipework	LNG	-	-
Feb-00	Calor Gas Ltd		UK	Consultancy Services for Re-insulation and Inspection	LPG	-	-
Dec-99	Tractebel Gas Engineering		Spain	Design and Detailing of 1-40,000 m <sup>3</sup> Double Containment	Propane	Steel+ Concrete Wall	40,000 m <sup>3</sup>
Oct-99	Enron Power Services		India	Review of Design - LNG Tank Roof	LNG	Steel/Concrete	150,000 m <sup>3</sup>
Jul-99	Elf Exploration		-	Visual Inspection and De-Commissioning Procedure for LPG Tank,	LPG	-	-
Jul-99	Texaco Pembroke Refinery		-	Internal and External Inspection of Refrigerated Butane Storage Tanks	Butane	-	-
Apr-99	British Gas Storage, Dynevor	British Gas	UK	Stress Analysis of LNG Plant Pipework	LNG	-	-
Jan-99	Tractebel Gas Engineering	Formosa Petrochemical Corp	Taiwan	Design and Detail Drawing for 3-80,000 m <sup>3</sup> LPG Tanks	LPG	Steel/Concrete	80,000 m <sup>3</sup>
Jun-98	British Gas International	British Gas International	India	120,000 m <sup>3</sup> LNG Tank, India. Owner's Engineer	LNG	Steel/Concrete	120,000 m <sup>3</sup>
May-98	Tractebel Gas Engineering		-	Initial Design and Advance Materials for 80,000 m <sup>3</sup> LPG Tank	LPG	Steel/Steel	80,000 m <sup>3</sup>
Feb-98	Paresa for Snamprogetti		Italy	Proposal Design and GA for Ammonia Tank	Ammonia	Steel/Steel	30,000 m <sup>3</sup>
Jul-98	Tractebel Gas Engineering	Formosa Petrochemical Corp	Taiwan	Analysis of LPG Suspended Deck Construction Lift	LPG	Steel/Steel	50,000 m <sup>3</sup>
Jan-98	Tractebel Gas Engineering	Formosa Petrochemical Corp	Taiwan	Design and Detail Drawing of Propylene Tank	LPG	Steel+ Concrete Wall	30,000 m <sup>3</sup>
Jan-98	Tractebel Gas Engineering	Formosa Petrochemical Corp	Taiwan	Design and Detail Drawing of Ethylene Tank	Ethylene	Steel+ Concrete Wall	30,000 m <sup>3</sup>
Aug-97	Alan Cobham Engineering		-	Design and Detailing of Fuel Gas Treatment Skid	Fuel Gas	-	-
Jan-97	Tractebel Gas Engineering		Germany	Structural Analysis of Ammonia Tank Roofs	Ammonia	-	-
Feb-97	Tractebel Gas Engineering		Germany	Structural Analysis of LPG Tank Roofs	LPG	-	-
Jan-97	Tractebel Gas Engineering		-	Structural Analysis of Ethylene Tank Roofs	Ethylene	-	-
Jul-96	British Gas - Global Gas	British Gas	Philippines	LNG Project Philippines - Owner's Engineer Team Tank Sizing	LNG	Steel/Concrete	140,000 m <sup>3</sup>
Mar-96	Tractebel Gas Engineering		Pakistan	Seismic Evaluation of LPG Tanks, Pakistan	LPG	-	-

## Cryogenic and Refrigerated Tank Projects List

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Date	Customer	End User	Location	Project	Product	Type	Size
Feb-96	CWA Safety and Research Ltd		-	Safety Review Ethylene Storage Tank	Ethylene	-	-
Feb-96	Tractebel Gas Engineering	Formosa Petrochemical Corp	Germany	Design and Detail of Nitrogen Breather System for LPG Tanks	Nitrogen	Steel	-
Feb-96	Tractebel Gas Engineering, Shanghai		China	Design and Detailing 2-50,000 m <sup>3</sup> Refrigerated LPG Tanks,	LPG	Steel/Steel	50,000 m <sup>3</sup>
Feb-96	Tractebel Gas Engineering	Formosa Petrochemical Corp	Taiwan	Design and Detailing 2-30,000 m <sup>3</sup> Refrigerated Ethylene Tanks	Ethylene	Steel+ Concrete Wall	30,000 m <sup>3</sup>
Feb-96	Tractebel Gas Engineering	Formosa Petrochemical Corp	Taiwan	Design and Detailing 2-30,000 m <sup>3</sup> Refrigerated Ammonia Tanks	Ammonia	Steel+ Concrete Wall	30,000 m <sup>3</sup>
Jan-96	British Gas / Atlantic LNG	British Gas	USA	LNG Tank, Audit of LNG and Systems Designs and Operation	LNG	-	-
Dec-95	Calor Gas Ltd, Felixstowe		UK	LPG Tank Condition Assessment	LPG	-	-
Dec-95	Shell International The Hague		The Netherlands	Updating DEP Standard	-	-	-
Nov-95	Tractebel Gas Engineering		India	Design and Calculations for 10,000 MT Propylene Storage Tanks	Propylene	-	-
Oct-95	Borealis SA Sines		Portugal	External Inspection of Double Wall Ethylene Storage Tank	Ethylene	-	-
May-95	Bouygues Offshore Paris		Korea	Preliminary Design Including Seismic Evaluation for LNG Tanks	LNG	-	-
Apr-95	Apcon Associates Mairubi		Seychelles	Tender Specification for 4 Mounded Storage Vessels, Seychelles	-	-	-
Feb-95	Bouygues Offshore Paris		Nigeria	Design Refrigerated LPG Storage Tanks, Nigeria	LPG	-	-
Jan-95	Borealis S.A. Sines		Portugal	Consultancy Services in Connection with Repair of Propylene Storage Tank	Propylene	-	-