

MAIN REFERENCES – December 2017

1 - LPG TERMINALS AND STORAGE PLANTS

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
LPG Sea Terminal. Storage Capacity: 16.000 m3 LPG. Mombasa, Kenya	2017	EAGCL			x				
LPG Sea Terminal. Storage Capacity: 18.000 m3 LPG. Port Harcourt, Nigeria	2017	CTROG			x				
LPG Sea Terminal. Storage Capacity: 9.000 m3 LPG. Port Harcourt, Nigeria	2017	LEIGHTON SYNERGY	x						
LPG and White Products Sea Terminal. Storage Capacity: 108.000 m3 White Products & 8.000 m3 LPG. Tema, Ghana	2015-2017	PUMA ENERGY	x						
LPG Sea Storage Terminal. Storage capacity: 1.800 m ³ . Aveiro, Portugal	2014	PPS						x	x

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
LPG and white products sea terminal. Storage capacity: 120.000m ³ white products & 16.000 m ³ LPG. Port Harcourt, Nigeria	2013–On going	STOCKGAP FUELS	x		x	x			
Study for the basic engineering design for a LPG sea terminal. Storage capacity: 8.500 m ³ . Okrika, Rivers State, Nigeria	2013	FELGUERA / TSL	x						
Review of basic engineering design for a LPG sea terminal. Storage capacity: 15.000 m ³ . Lima, Peru	2012	FCC / FELGUERA	x						
Review of layout and applicable standards in a LPG and Bioethanol Storage Terminal. Freetown, Sierra Leona	2012	ORYX ENERGIES	x						
Basic design for a refrigerated LPG storage tank with a capacity of 60.000 m ³ . Quintero, Chile	2012	FELGUERA			x				

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
Capacity expansion for LPG storage, distribution and filling plants of Senkata (1.500 m ³) and Villamontes (450 m ³). Bolivia	2010-2012	INDOX / YPFB		x		x	x	x	
LPG sea terminal. Storage capacity 16.000 m ³ . Lagos, Nigeria	2007-2010	NAVGAS			x	x		x	x
Improvement of trucks loading system for 4 LPG Plants. Maddinah, Riyadh, Dammam and Jeddah, Saudi Arabia	2008-2009	INGAS / GASCO				x			
LPG storage, distribution and filling plant. Storage capacity 14.100 m ³ . Um Al Aish, Kuwait	2006 2009	INGAS / MOUCHEL / KOTC			x				
LPG storage and distribution plant. Storage capacity 426 m ³ . Maó, Spain	2008	INGAS / REPSOL BUTANO			x	x			

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
LPG filling plant. Electrical installation LPG filling circuit. Sevilla, Spain	2007	INGAS / CEPSA				x			
LPG Sea terminal. Storage capacity 4.000 m ³ . Barcelona, Spain	1998-2000	KOALAGAS		x	x		x	x	x
LPG storage & distribution plant. Storage capacity 400 m ³ . Buñuel, Spain	1999	PRIMAGAZ		x	x				
LPG storage & distribution plant. Storage capacity 250 m ³ . Almenar, Spain	1998	PRIMAGAZ		x	x				

2 - LIQUID HYDROCARBONS STORAGE TERMINALS AND PLANTS

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
Firewater & White Product Tanks Engineering for Sea terminal. Factory equipment inspection. Firefighting pumps FAT assistance. Apapa, Lagos, Nigeria.	2015-2016	MRS	x		x	x			
White products sea terminal, with a capacity 3.600.000 m ³ . Algeciras, Spain.	2013	VTTI	x						
Crude & distillate oil unloading system for power PLANT. Arar, Kingdom of Saudi Arabia	2013	SIRAGA	x						
White products sea terminal. 428.000 m ³ storage capacity. Tripoli, Lebanon	2013	FCC / FELGUERA			x				
White products sea terminal. Storage capacity: 158.000 m ³ White Products. Ilo, Perú.	2013	FELGUERA / PETROPERU	x						
Modifications to sea terminal for white product change, from diesel to fuel-oil. Barcelona, Spain.	2012-2013	MEROIL		x	x	x	x	x	x

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
Network pipelines to berths maritime, from sea terminal. Barcelona, Spain	2012-2013	MEROIL		x	x	x	x	x	x
White products sea terminal, with a capacity 214.000m ³ . Las Palmas, Spain.	2012-2013	ORYX IBERIA				x	x	x	
Calculation of diesel pumps for transfer product from storage tanks to its customers, Dar es Salaam, Tanzania.	2012	TIPER	x						
Design loading truck gantry for liquid chemicals sea terminal. Barcelona, Spain.	2012	TEPSA		x					
Network pipelines from sea terminal to berths. Barcelona, Spain	2012	RELISA			x	x			
White products sea terminal, with a capacity 88.000m ³ . Buenaventura Colombia.	2012	EMYPRO	x						

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
White products sea terminal, with a capacity 350.000m ³ . Barcelona, Spain.	2010-2012	MEROIL TANK	x	x	x	x	x	x	x
Capacity expansion for lubricants storage plant. Canovelles, Spain	2011-2013	PETRONAS LUBRICANTS SPAIN	x	x	x	x	x	x	x
Storage tanks for wastewater treatment plant. Montcada i Reixac, Spain.	2007	EMYPRO			x	x			
Storage tanks for power plant. Cartagena, Spain.	2006	EMYPRO				x			
White products sea terminal. Aratú, Brasil.	2006	EMYPRO				x			
White products sea terminal. Recife, Brasil.	2004	EMYPRO				x			

3 - LPG BULK TANKS AND GAS NETWORKS

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
LPG bulk tank installation. Capacity: 10 m ³ . Lienzos Moià, SCCL. Moià (Barcelona)	2013	PRIMAGAS ENERGIA				x	x		
LPG bulk tank installation. Capacity 59 m ³ . La Masella, Spain	2011	PRIMAGAS ENERGIA				x	x		
LPG bulk tank installation. Capacity 59 m ³ . Sallent, Spain	2010	PRIMAGAS ENERGIA				x	x		
LPG bulk tank installation and gas network for an industry. Capacity 16 m ³ . St. Cugat de Sesgarrigues, Spain	2007	VITOGAS				x	x		
LPG bulk tank installation and gas network for a housing compound. Capacity 13 m ³ . Malla, Spain	2005	BP OIL ESPAÑA				x	x		
LPG bulk tank installation and gas network for a village. Capacity 2 x 19 m ³ . Lilla – Montblanc, Spain	2004	PRIMAGAS ENERGIA				x	x		
LPG bulk tank installation. Capacity 59 m ³ . Candasnos, Spain	2004	PRIMAGAS ENERGIA		x				x	

Project description	Year	Customer	Tasks performed							
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures	
LPG bulk tank installation. Capacity 59 m ³ . El Burgo de Ebro, Spain	2004	PRIMAGAS ENERGIA		x					x	
LPG bulk tank installation. Capacity 19 m ³ . Montgai, Spain	2004	PRIMAGAS ENERGIA		x					x	
LPG bulk tank installation and gas network for an industry. Capacity. Capacity 4,8 m ³ . Barcelona, Spain	2003	BP OIL ESPAÑA				x	x			
LPG bulk tank installation and gas network for an industry. Capacity 19 m ³ . La Almunia de Doña Godina, Spain	2003	PRIMAGAS ENERGIA		x					x	
LPG bulk tank installation and gas network for a housing compound. Capacity 2 x 34 m ³ . Peñíscola, Spain	2003	PRIMAGAS ENERGIA		x					x	
LPG bulk tank installation and gas network for an industry. Capacity 19 m ³ . Zuera, Spain	2003	PRIMAGAS ENERGIA		x					x	
LPG bulk tank installation and gas network for an industry. Capacity 34 m ³ . Mequinzenza, Spain	2003	PRIMAGAS ENERGIA		x					x	

Project description	Year	Customer	Tasks performed							
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures	
LPG bulk tank installation and gas network for an industry. Capacity 19 m ³ . Soria, Spain	2003	PRIMAGAS ENERGIA		x					x	
LPG bulk tank installation and gas network for an industry. Capacity 59 m ³ . Cariñena, Spain	2003	PRIMAGAS ENERGIA		x					x	
LPG bulk tank installation and gas network for a housing compound. Capacity 19 m ³ . Camprodon, Spain	2002	PRIMAGAS ENERGIA				x	x			

4 – AUTOGAS INSTALLATIONS

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
Project Design and Installation of an Autogas Skid. Capacity: 4,85 m ³ . Lleida.	2013-2014	INTERGLP				x	x	x	
Project Design and Installation of an Autogas Skid. Capacity: 4,85 m ³ . Granollers, Barcelona.	2013-2014	INTERGLP				x	x	x	
Project Design and Installation of an Autogas Skid. Capacity: 4,85 m ³ . Bellvis, Lleida.	2013-2014	INTERGLP				x	x	x	
Project Design and Installation of a tank and dispenser for Autogas. Capacity: 4,88 m ³ . Sabadell, Barcelona.	2013	INTERGLP				x	x	x	
Project Design and Installation of a tank and dispenser for Autogas. Capacity: 4,85 m ³ . L'Hospitalet de Llobregat, Barcelona.	2013	INTERGLP				x	x	X	

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
Project Design and Installation of a tank and dispenser for Autogas. Capacity: 13 m ³ . La Jonquera, Girona.	2013	INTERGLP				x			
Project Design and Installation of a tank and dispenser for Autogas. Capacity: 6,4 m ³ . Pineda de Mar, Barcelona.	2013	INTERGLP				x			
Project Design and Installation of a tank and dispenser for Autogas. Capacity: 6,4 m ³ . Barcelona.	2013	INTERGLP				x			

5 - GAS NETWORKS, COOLING AND HEATING SYSTEMS

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
HVAC & hot water system for a residence. Power 339 kW. Barcelona, Spain	2011	GISA				x	x		
HVAC system for an office building. Power 302 kW. Barcelona, Spain	2011	FCRI				x	x		
Gas network and boilers room for an industry. Power 945 kW. Sallent, Spain	2010	AKAN CABLES				x	x	x	
Cooling system for a data processing center. Power 427 kW. Logroño, Spain	2009	ARSYS				x			
HVAC system for a pharmaceutical company. Power 254 kW. Barcelona, Spain	2009	COMBINO PHARM				x	x		
HVAC system for a university center. Power 195 kW. Barcelona, Spain	2008	UPF EDIFICIO WELLINGTON				x			
HVAC system for an office building. Power 210 kW. Barcelona, Spain	2008	AGROLIMEN				x	x		

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
Gas network, boilers room and heating system for a school building. Power 597 kW. Puig-Reig, Spain	2007	GAS NATURAL				x	x	x	
Gas network for an industry. Power 186 kW. Campdevàdol, Spain	2007	COMFORSA				x	x		
Gas network and heating system for an industry. Power 145 kW. St. Boi, Spain	2005	MOVILFRIT				x	x	x	
Gas network and boilers room for swimming pool building. Power 516 kW. Cervera, Spain	2004	GAS NATURAL				x	x	x	

6 – GAS APPLIANCES

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
Approval for a steam generator. Power 945 kW. La Garriga, Spain	2011	CÀRNIQUES BLANCAFORT				x		x	
Approval for 5 GLP & Natural Gas ovens. Cardona, Spain	2008	CARDONA PLAST				x		x	
Approval for an industrial rotatory oven. Power 1000 kW. Vallirana, Spain	2006	BCN METAL BRASS				x		x	
Approval for a gas oven. Power 160 kW. La Roca, Spain	2004	METALÚRGICAS JAN				x		x	

7 – CONSULTANCY

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
Feasibility and supply logistics study for a biomass plant.	2009	INSTITUT CERDÀ	x						
Energy characterization of sports facilities.	2009	INSTITUT CERDÀ	x						
New Spanish gas regulations. Study of implementation.	2008	AOGLP	x						
LPG composite cylinders study and transportation standards comparison (DOT vs UE standards) for a LPG company in Kuwait.	2006	INGAS / KOTC	x						
ISO 9000, on-line method. Castellar del Vallés, Spain	2006	INTERFASE / IBOR VALVES	x					x	
ISO 9000, on-line method. Sabadell, Spain	2006	INTERFASE / SILVEMOL	x					x	
ISO 9000, on-line method. Badalona, Spain	2006	INTERFASE / FRITEL	x					x	

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
CE Agreement for USA Gasoline dispensers. Grand Rapids, USA	2005	BENETT	x						
Committee of Spanish standardisation, CTN60. New Spanish norms for LPG bulk installations, LPG & CNG Service Stations. Madrid, Spain	2001-2002	PRIMAGAZ	x						
Committee of UE standardisation. New UE norms for, LPG Service Station, Brussels, Belgium	1999	PRIMAGAZ ENERGIE	x						
Technical due diligences for National gas companies potential purchase. INA PLIN. Croatia	1998	PRIMAGAZ ENERGIE	x	x					
Technical due diligences for National gas companies potential purchase. SCP. Morocco	1998	PRIMAGAZ ENERGIE	x	x					
Technical support for new LPG buses facilities & workshop. Paris, France	1998	PRIMAGAZ ENERGIE	x	x	x				

8 – LIQUID STORAGE, PETROL STATIONS, CHEMICAL PRODUCTS, INDUSTRY

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
Petrol and GLP Station. Storage Capacity: 400 m ³ . Aba, Nigeria	2014	STOCKGAP FUELS LTD			x	x			
Petrol and GLP Station. Storage Capacity: 400 m ³ . Iribe, Nigeria	2014	STOCKGAP FUELS LTD			x	x			
Petrol and GLP Station. Storage Capacity: 400 m ³ . Owerri, Nigeria	2014	STOCKGAP FUELS LTD			x	x			
Review of basic engineering design and bulk of materials for a Chemical products sea terminal. Antwerp, Belgium	2012	FELGUERA	x						
Air compressed Installations, Nitrogen generation, nitrogen storage tank. Montmeló, Barcelona, Spain	2006	FARMHISPANIA				x			
Methanol storage for additivation. Capacity 20 m ³ Barcelona, Spain	2005	TEPSA				x	x		
Gasoil storage for a heating system. Capacity 32 m ³ . Montmeló, Spain	2005	FARMHISPANIA				x	x	x	

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
Gas station for marina. Capacity 80 m ³ . Badalona, Spain	2005	MARINA BADALONA				X	X	X	
Gas station for fishing port. Capacity 20 m ³ . Badalona, Spain	2005	MARINA BADALONA				X	X		
Methanol and Ethyl Mercaptan storage for additivation. Barcelona, Spain	2004	KOALAGAS				X	X	X	X
Gas storage and gas station for a fleet. Capacity 80 m ³ . Terrassa, Spain	2004	COPCISA				X	X	X	
4 Oil storage facilities for a mining company. Súria, Spain	2004	IBERPOTASH				X	X	X	
Gas station for marina. Capacity 110 m ³ . L'Escala, Spain	2004	NÀUTIC L'ESCALA				X	X	X	

9 – PHOTOVOLTAIC SYSTEMS

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
Photovoltaic Power Plant. Roof installation. Grid connected. Power 38 kWp. El Prat de Llobregat, Spain	2008	TFM				x			
Photovoltaic Power Plant. Roof installation. Grid connected. Power 39 kWp. El Prat de Llobregat, Spain	2008	TFM				x			
Photovoltaic Power Plant. Roof installation. Grid connected. Power 47 kWp. Llaberia, Spain	2008	E360				x			
Photovoltaic Power Plant. Roof installation. Grid connected. Power 52 kWp. Almansa, Spain	2007	NEXUS ENERGIA				x			
2 Photovoltaic Power Plants. Ground installation. Grid connected. Power 112 kWp each. El Esparragal and Santomera, Murcia, Spain	2007	NEXUS ENERGIA				x			

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
4 Photovoltaic Power Plants. Roof installation. Grid connected. Power 112 kWp each. Sax, Spain	2007	NEXUS ENERGIA				x			
4 Photovoltaic Power Plants. Roof installation. Grid connected. Power 112 kWp, 35 kWp, 24 kWp and 20 kWp. . Santomera, Spain	2007	NEXUS ENERGIA				x			
Photovoltaic Power Plant. Roof installation. Grid connected. Power 83 kWp. Los Montesinos, Spain	2007	NEXUS ENERGIA				x			
Photovoltaic Power Plant. Roof installation. Grid connected. Power 10 kWp. Alacant, Spain	2007	NEXUS ENERGIA				x			
Photovoltaic Power Plant. Roof installation. Grid connected. Power 10 kWp. Torello, Spain	2007	TFM				x	x	x	
2 Photovoltaic Power Plants. Roof installation. Grid connected. Power 29 kWp each. Vic, Spain	2007	TFM				x	x	x	
Photovoltaic Power Plant. Roof installation. Grid connected. Power 6 kWp. Terrassa, Spain	2007	TFM				x	x	x	

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
2 Photovoltaic Power Plants. Roof installation. Grid connected. Power 18 kWp and 10 kWp. Vic, Spain	2006	TFM				x	x	x	
Photovoltaic Power Plant. Roof installation. Grid connected. Power 40 kWp. Masies de Voltregà, Spain	2006	TFM				x	x	x	
Photovoltaic Power Plant. Roof installation. Grid connected. Power 11 kWp. L'Arboç, Spain	2006	TFM				x	x	x	
Photovoltaic Power Plant. Roof installation. Grid connected. Power 16 kWp. Reus, Spain	2006	TFM				x	x	x	
Photovoltaic Power Plant. Roof installation. Grid connected. Power 78 kWp. Torelló, Spain	2006	TFM				x	x	x	
Photovoltaic Power Plant. Roof installation. Grid connected. Power 13 kWp. Manlleu, Spain	2006	TFM				x	x	x	
Photovoltaic Power Plant. Roof installation. Grid connected. Power 112 kWp. Puig- Reig, Spain	2006	TFM				x	x	x	

Project description	Year	Customer	Tasks performed						
			Studies / Consulting	Project Management	Conceptual design / FEED	Detailed engineering	Construction management	Commissioning	Operation / Maintenance / procedures
Photovoltaic Power Plant. Roof installation. Grid connected. Power 82 kWp. Guardiola de Berguedà, Spain	2006	TFM				x	x	x	
Photovoltaic Power Plant. Roof installation. Grid connected. Power 78 kWp. Vic, Spain	2006	TFM				x	x	x	
Photovoltaic Power Plant. Roof installation. Grid connected. Power 93 kWp. Sta. Gertrudis, Spain	2006	TFM				x	x	x	