



MAIN REFERENCES IN PIPELINE INSPECTION (AUT)

Year	Country	Customer	Owner	PROJECT (PIPELINE)	Length (km)	Diameter (Inch)	Technique
2000	Spain	ELECNOR	ENAGAS	CORDOBA - BADAJOZ	144	36, 28	AUT
2000	Spain	DAIPSA	ENAGAS	SEMIANILLO DE MADRID	40	28	AUT
2000	Brazil	ICA-CPC-ETESCO	PETROBRAS	BOLIVIA - BRAZIL	250	24	AUT
2000	Spain	ARAZA UTE	ENAGAS	ARANDA DE DUERO - ZAMORA	165	20	AUT
2000	Spain	APL	ENAGAS	RIVAS - LOECHES - GUADALAJARA	57	6, 20	AUT
2000	Spain	APL	ENAGAS	LOECHES - GUADALAJARA	40	10	AUT
2000	Spain	GVS	ENAGAS	GRANADA - MOTRIL	70	10	AUT
2002	France	GAS DE FRANCE	GAZ DE FRANCE	ARTERTE DU GUAYENNE	60	32	AUT
2002	UK	BG TECHNOLOGY	UK	QUALIFICATION	-	48	AUT
2004	Brazil	MENDES JUNIOR	PETROBRAS	BARRA DO FURADO - CABIUNAS	68	22	AUT
2005	Brazil	CONDUTO	PETROBRAS	BARRA DO FURADO - CABIUNAS	68	22	AUT
2005	Brazil	MASA	PETROBRAS	CACIMBAS - VITORIA	87	26	AUT
2005	Brazil	BUENO	PETROBRAS	GOLFINHO	4	12	AUT
2006	Brazil	BUENO	PETROBRAS	CACIMBAS - VITORIA	60	26	AUT
2006	Chile	ECHEVERRIA IZQUIERDO	ARAUCO	CELULOSA NUEVA	2	10 to 24	AUT
2007	Brazil	SINOPEC	PETROBRAS	GASCAV TRECHO III	80	24	AUT
2007	Brazil	CONDUTO	PETROBRAS	GASCAV TRECHOS I Y II	130	24	AUT
2007	Chile	TECHINT	MINERA LP	PELAMBRES MINERODUCT	80	24 to 36	AUT
2008	Brazil	GALVAO ENGENHARIA	PETROBRAS	PEÇEM PIPELINE	22	20	AUT
2008	Oman	PUNJ LLOYD LTD.	OMAN GAS	OGC LOOPLINE	100	32	AUT
2008	Brazil	GALVAO ENGENHARIA	PETROBRAS	GASCAC	109	28	AUT
2008	Brazil	CONTRERAS/GALVAO ENGENHARIA	PETROBRAS	GASJAP	45	28	AUT
2009	Brazil	ODETECH (Odebretch/Techint)	PETROBRAS	GASDUC III	104	38	AUT
2009	Brazil	CONTRERAS/GALVAO ENGENHARIA	PETROBRAS	GASDUC III	70	38	AUT
2009	Qatar	PUNJ LLOYD LTD.	QATAR PETROLEUM	SGTP	210	36	AUT
2009	Brazil	ULTRALOG	PETROBRAS	ANCHIETTA PIPELINE	20	12	AUT
2009	Spain	SAIPEM-ENAGAS	ENAGAS	EOL DENIA-IBIZA OFFSHORE	TPI	Audit	AUT
2009	Brazil	CONDUTO	PETROBRAS	GASCAC III B	53	28	AUT
2010	Brazil	N M ENGENHARIA	PETROBRAS	OSBRAS (Ribeirao Preto)	21	20	AUT
2010	Chile	INCOLUR-IECSA	LUMINA COPPER	CASERONES PROJECT Phase II	50	28	AUT
2011	Argentina	TECHINT	REPSOL - YPF	ESCOBAR - CARDALES Pipeline	30	30	AUT
2011	Spain	BONATTI / COLLOSA	ESCAL-ACS	CASTOR OFFSHORE CONECTION Pipeline	9	30	AUT
2011	France	DLE Specialties	GRT Gas	STATION CERVILLE			AUT
2011	India	AutoUT India/ PUNJ LLOYD LTD.	GAIL/EIL	DABHOL - BANGALORE PIPELINE	250	30	AUT
2011	Chile	INCOLUR-IECSA	LUMINA COPPER	CASERONES PROJECT Phase I1	45	28	AUT
2012	France	SICIM	TIGF	GIRLAND Lussagnet-Captieux	57	36	AUT
2012	Colombie	MASA-ACCIONA	ECOPETROL	OLEODUCTO APIAY-MONTERREY	170	30	AUT
2012	Peru	BECHTEL	XSTRATA COPPER	Mineroducto Las Bambas	218	8 5/8"	AUT



Only projects over 20 Km has been considered

MAIN REFERENCES IN PIPELINE INSPECTION (RT)

Year	Country	Customer	Owner	PROJECT (PIPELINE)	Length (km)	Diameter (Inch)	Technique
2000	Spain	GINES NAVARRO-AUXINI-SPIE CAPAG	ENAGAS	MONDRAGON NETWORK	40	20	RT
2000	Spain	OBRAS Y SERVICIOS HISPANIA	ENAGAS	TOLOSA NETWORK	30	6	RT
2000	Spain	GINES NAVARRO-AUXINI-SPIE CAPAG	ENAGAS	MADRID NETWORK	50	16	RT
2000	Spain	MANNESMAN-CUBIERTAS	ENAGAS	VALLADOLID NETWORK	40	12	RT
2000	Spain	AGROMAN	ENAGAS	PAMPLONA NETWORK	30	8	RT
2000	Spain	GINES NAVARRO-AUXINI-SPIE CAPAG	ENAGAS	HUELVA-SEVILLA	120	20	RT
2000	Spain	GINES NAVARRO-AUXINI-SPIE CAPAG	C.L.H	HUELVA-SEVILLA	100	10	RT
2000	Spain	MANNESMAN-CUBIERTAS	ENAGAS	SANTANDER-ASTURIAS	120	12	RT
2000	Spain	ELECNOR	ENAGAS	CORDOBA-BADAJOS PH II	145	28.32	RT
2000	Spain	AGROMAN	ENAGAS	SANTURCE-CASTRO	40	12	RT
2000	Spain	ESPAÑA PIPE-LINES	CAMPSA	ZARAGOZA-S.ADRIAN	120	12	RT
2000	Spain	APL	ENAGAS	HUESCA-BARBASTRO	55	6	RT
2000	Spain	APL	ENAGAS	BARBASTRO-MONZON	30	6	RT
2000	Spain	GEOCISA-DRAGADOS	CAMPSA	PALENCIA-LEON	120	8	RT
2000	Spain	GEOCISA-DRAGADOS	CAMPSA	VALLADOLID-SALAMANCA	120	8	RT
2000	Spain	APL	CAMPSA	VALENCIA-CASTELLON	70	10	RT
2000	Spain	ELECNOR	GAS EUSKADI	GASODUCTO AZCOITIA	20	8	RT
2000	Spain	APL	REPSOL	LOECHES-GUADALAJARA	40	10	RT
2000	Spain	SICIM	ENAGAS	VILLAMANAN-ASTORGA-PONFERRADA	83	16	RT
2001	Spain	AMINTEC	GAS EUSKADI	DURANGO NETWORK	30	16	RT
2001	Spain	AGROMAN	CAMPSA	PUERTOLLANO-MERIDA Spr. 2	120	8	RT
2001	Spain	GEOCISA-DRAGADOS	CAMPSA	ELGOIBAR Spr. 2	110	8	RT
2001	Spain	A.P.L. CUBIERTAS	CAMPSA	ARAHAL-MALAGA	137	10	RT
2001	Spain	OSHA	ENAGAS	PAMPLONA-ALSASUA	65	4,6,8	RT
2001	Spain	OSHA	ENAGAS	PAMPLONA-ALSASUA	60	8	RT
2001	Spain	GINES NAVARRO-AUXINI-SPIE CAPAG	ENAGAS	PIRINEOS PIPELINE	80	26	RT
2001	Spain	OSHA	CAMPSA	VIGO-LA CORUÑA	77	10	RT
2000	Spain	PYCANSA	CAMPSA	PADRON-VIGO	77	10	RT
2002	Spain	FOMENTO DE OBRAS Y CONSTRUCCIONES		ALPUJARRA- GRANADA	30	20	RT
2002	Spain	OBRAMIN	ENAGAS	TOLEDO NETWORK	40	6.12	RT
2002	Spain	CATALANA DE GAS	GAS NATURAL	MANRESA-BERGA	50	6,8,10,12	RT
2002	Spain	GINES NAVARRO-AUXINI-SPIE CAPAG	ENAGAS	VALENCIA-ALICANTE	105	20	RT
2002	Spain	OSHA	ENAGAS	G VS3 (VALENCIA)	53	2,4,6,8	RT
2002	Spain	GINES NAVARRO-SAIPEM-SPIE CAPAG	ENAGAS	TARIFA-CORDOBA PH I+II	170	48	RT
2003	Spain	MASA	ENAGAS	CORDOBA-SEVILLA	153	30	RT
2003	Spain	CUBIERTAS Y MZOV	ENAGAS	JAEN-CORDOBA-GRANADA	100	12.16	RT
2003	Spain	SICIM-COPIISA	GAS NATURAL	SANTA CRUZ DE MUDELA-CUENCA	159	32	RT
2003	Spain	ACS-BONATTI	GAS NATURAL	CORBOBA-SANTA CRUZ DE MUDELA	189	32	RT
2003	Spain	COLLOSA	ENAGAS	LA ROBLA-GUARDO	75	12	RT
2003	Spain	GAS NATURAL	GAS NATURAL	PLATJA DAROMONT-RAS	24	6.8	RT
2003	Spain	DAIPSA	ENAGAS	SEMIANILLO DE MADRID	40	28	RT
2003	Spain	GAS NATURAL	GAS NATURAL	CENTELLES-VIC	21	12	RT
2004	Spain	GAS NATURAL	GAS NATURAL	GIRONA-C. DE MALAVELLA- PLATJA D'ARO.	25	8	RT
2004	Spain	GAS NATURAL	GAS NATURAL	PLATJA D'ARO-PALAFRUGELL	20	4.6	RT
2004	Spain	CUBIERTAS Y MZOV	ENAGAS	PONTEVEDRA-ORENSE	56	10	RT
2004	Spain	ELECNOR/IMPRESA UNIONE	ENAGAS	SEMIANILLO DE MADRID	60	16.22	RT
2004	Spain	GUINOVART OSHA	ENAGAS	FUENTE ALAMO-LORCA	37	20	RT
2004	Spain	APL	ENAGAS	ARANDA-SORIA TRAMO I	115	12	RT
2004	Spain	OSHA	ENAGAS	ARBOS-TIVISSA	90	26	RT
2004	Spain	NECSO	ENAGAS	ARANDA-SORIA TRAMO II	51	4,6,10	RT
2005	Spain	APL	ENAGAS	RIVAS-LOECHES-ARGANDA-ALCALA DE HENARES	57	6,8,12,20	RT
2005	Spain	COLLOSA	ENDESA GAS	SALAMANCA-PEÑARANDA	53	10	RT
2005	Spain	COLLOSA	NATURGAS	SORIA-GREDA	55	12	RT
2005	Spain	GVS	ENAGAS	GRANADA-MOTRIL	70	10	RT
2005	Spain	ELECNOR	ENAGAS	MIJAS-ESTEPONA	52	16	RT
2005	Spain	APL	ENAGAS	TOTANA-MURCIA	53	10	RT
2005	Spain	IMES	REPSOL	MARISMAS	20	8.1	RT
2005	Spain	CUBIERTAS Y MZOV	ENAGAS	NOROESTE TRAMO II	82	20	RT
2005	Spain	FERPI	ENAGAS	JEREZ	50	10,12,16	RT
2005	Spain	ARAZA UTE (SICIM)	ENAGAS	ARANDA DE DUERO-ZAMORA	165	20	RT
2005	Spain	NECSO	ENAGAS	LLANERA-NAVIA	80	20	RT
2006	Spain	FERROVIAL/ENAGAS	ENAGAS	ZAMORA-BENAVENTE-LEON	120	20	RT
2006	Spain	GVS	ENAGAS	GASODUCTO LEON OVIEDO	180	20	RT
2006	Spain	OSHA	ENAGAS	SALAMANCA NETWORK	35	4 to 12	RT
2006	Spain	APL	ENAGAS	MALAGA-RINCON DE LA VICTORIA	28	8	RT
2006	Spain	OSHA	ENAGAS	SEGOVIA NETWORK	54	8	RT
2006	Spain	ELECNOR	ENAGAS	SEMIANILLO DE MADRID	60	22	RT
2006	Spain	DAIPSA	ENAGAS	TARANCON-CUENCA	108	8.12	RT
2006	Spain	DAIPSA	ENAGAS	PUNTE GENIL-MALAGA	78	20	RT



Only projects over 20 Km has been considered

MAIN REFERENCES IN PIPELINE INSPECTION (RT)

Year	Country	Customer	Owner	PROJECT (PIPELINE)	Length (km)	Diameter (Inch)	Technique
2006	Spain	UTE EL BIERZO (OSHA-SICIM)	ENAGAS	VILLAMAÑAN-ASTORGA-PONFERRADA	82	16	RT
2006	Spain	ELECNOR	ENAGAS	CARTAGENA-LORCA	25	20	RT
2006	Spain	UTE FALCES (SICIM)	ENAGAS	FALCES-IRURZUN	58	14	RT
2006	Spain	COBRA	ENAGAS	FERROL NETWORK	22	2 to 12	RT
2006	Spain	SICIM-OSHA	REPSOL	CARTAGENA-PUERTOLLANO	180	22	RT
2006	Spain	APL	REPSOL	CARTAGENA-PUERTOLLANO	90	22	RT
2007	Spain	FERROVIAL-AGROMAN	C.L.H	ZARAGOZA – TORREJON Spr 1	142	14	RT
2007	Spain	UTE ARBOS (SICIM)	ENAGAS	LÁRBOC-BARCELONA	72	36	RT
2007	Spain	ELECNOR	C.L.H	ZARAGOZA – TORREJON Spr 2	142	14	RT
2007	Spain	GSV-ALCAZAR UTE	ENAGAS	EJE TRANSVERSAL. Alcazar-Villarrobledo	61	36	RT
2007	Spain	MASA	ENAGAS	EJE TRANSVERSAL.Villarrobledo-Albacete	72	36	RT
2007	Spain	MONTESA UTE GAS	ENAGAS	EJE TRANSVERSAL.Albacete-Montesa	130	36	RT
2007	Spain	APL	C.L.H	CONQUISTA- ALMODOVAR	44	12	RT
2007	Spain	MASA	GAS EUSKADI	BERGARA-ZALDIVIA	30	26	RT
2007	Spain	COLLOSA	ENAGAS	MEDINA DELCAMPO-AREVALO	30	12	RT
2007	Spain	MAESSA	ENDESA GAS	CELLA-CALAMOCHA	57	12	RT
2007	Spain	GISCA	ENAGAS	VILLARROBLEDO-ALCAZAR	73	36	RT
2007	Spain	MASA	GAS EUSKADI	ZALDIVIA-VILLABONA	25	26	RT
2008	Spain	MASA	ENAGAS	LUCENA-CABRA	72	26	RT
2008	Spain	COLLOSA	ENAGAS	LEMONA-HARO	92	26	RT
2008	Spain	APL	ENAGAS	MONTESA-DENIA	65	24	RT
2008	Spain	BONATTI	ENAGAS	ALMERIA-LORCA	128	42	RT
2008	Spain	UTE COSIGAS 08	ENAGAS	ALMERIA-CHINCHILLA	120	42	RT
2009	Spain	COLLOSA	ENAGAS	CONSUEGRA-POLAN	78	12	RT
2009	Spain	ACCIONA	ENDESA GAS	ZARAGOZA-CALATAYUD	70	10	RT
2009	Spain	FERROVIAL	C.L.H	CORDOBA-ADAMUZ	145	16	RT
2009	Spain	MAESSA	ENDESA GAS	AZAILA-ALBALATE-ARIÑO	60	10	RT
2009	Spain	BONATTI	GAS NATURAL	ALICANTE-ALTEA	65	10	RT
2009	Spain	MASA	GAS EUSKADI	BERGARA-IRUN Spr 3	30	26	RT
2009	Spain	CMA	GAS NATURAL	LARRAGA-LOS ARCOS	36	12	RT
2010	Spain	BONATTI	ENAGAS	CASTELNOU - TIVISSA	91	26	RT
2010	Spain	COPISA	ENAGAS	GALLUR - EJE DE LOS CABALLEROS	38	12	RT
2010	Spain	ELECNOR	ENAGAS	ALGETE - YELA	87	26	RT
2010	Spain	APL	REPSOL	CARTAGENA - PUERTOLLANO I	82	14	RT
2010	Spain	ELECNOR	REPSOL	CARTAGENA - PUERTOLLANO II	88	14	RT
2010	Spain	BONATTI	ENAGAS	TIVISSA - VILANOVA	114	40	RT
2010	Spain	COBRA	ENDESA GAS	LINARES - UBEDA	65	8	RT
2010	Spain	COLLOSA	ENDESA GAS	AVILA - SEGOVIA	81	12	RT
2011	Spain	COLLOSA	ENDESA GAS	ALAGÓN - SOBRADIEL	21	10	RT
2011	Spain	ACCIONA	ENDESA GAS	EL BURGO - LA PUEBLA	24	16	RT
2011	Spain	ACCIONA	ENDESA GAS	VENCILLÓN - ALCOLEA	21	10	RT
2011	Spain	FCC-GHIZZONI	ENAGAS	VILANOVA - VILAREAL	58	40	RT
2011	Spain	COPISA - SICIM	ENAGAS	VILAREAL - PATERNA	64	40	RT
2011	Spain	ACCIONA	ENDESA GAS	VILLANUEVA - EL CASAR	24	10	RT
2011	Spain	ELECNOR	ENAGAS	SORIA - VILLAR DE ARNEDO	130	30	RT
2011	Spain	FERROVIAL	ENDESA GAS	VILLANUEVA - ALMOGUERA	49	12	RT
2011	Spain	COPISA - SICIM	ENAGAS	MARTORELL - FIGUERAS (South Spread)	80	36	RT
2012	Spain	FERROVIAL	ENDESA GAS	SEGOVIA NORTE	70	12	RT
2012	Spain	FERROVIAL	ENDESA GAS	MARINA ALTA FASE I	23	10	RT
2012	Spain	ACCIONA	ENDESA GAS	FRAGA - MEQUINENZA FASE II	21	12	RT
2012	Spain	ACCIONA	ENDESA GAS	GASODUCTO A BELCHITE	22	10	RT
2012	Spain	COLLOSA	NATURGAS	BIBAO TRETRO FASE I	26	26	RT
2012	Spain	GUINOVAR OSHA	NATURGAS	MULA-MORATALLA	64	10	RT

INTERNATIONAL PROJECTS

2005	Morocco	DAIPSA	ENAGAS	CAMPO-MAIOR LEIA TRAMO I	130	28	RT
2006	Portugal	METRAGAZ	METRAGAZ	MAGREB TRAMO B 48" W.I.	250	48	RT
2004	Chile	PIPELINES-MENDEZ JUNIOR	PETROBRAS	"COLLAGUASI" PROJECT	120	7	RT
2005	Chile	ELECNOR	TRANSGAS	MEHLADA, SOESELAS ESTARREJA	24	6 to 10	RT
2005	Chile	MINMETAL	OJOS DEL SALADO	RELAVEDUCT	50	10	RT
2006	Chile	TECHINT	CODELCO	SAN BERNARDO-QUILLOTA	119	24, 30	RT
2006	Chile	PIPESA	GASVALPO	CONCON	55	8 to 16	RT
2007	Chile	PIPESA	M. PELAMBRES	LAS PELAMBRES MINERODUCT	120	8	RT
2007	Chile	TECHINT-ECONOR	ECONOR	GASPACIFICO TRAMO 2B	100	20	RT
2009	Chile	INCOLUR-BELFI	MINERA EL CARMEN	ANDACOLLO	72	22"	RT
2011	Chile	INCOLUR-IECSA	LUMINA COPPER	CASERONES PROJECT	50	28	RT
2005	France	SPAC-SICIM	GDF	ARTERE DES MARCHES DU NORD-EST	400	36, 40	RT
2007	France	SPAC	GDF	CAPTIEUX-PRECHAC	30	20	RT
2010	France	D.L.E. SPECIALITES	TIGF	PRECHAC- LANDIRAS	21	20	RT
2005	Brazil	ICA-CPC-ETESCO/HERMANOS CONTRERAS	PETROBRAS	BOLIVIA-BRASIL SPREADS X, XI, XII	700	18 a 24	RT

MAIN REFERENCES IN LNG TANK INSPECTION

<u>Year</u>	<u>Country</u>	<u>Customer</u>	<u>Owner</u>	<u>LNG</u>	<u>Capacity (M3)</u>	<u>Technique</u>
2002	Spain	TANKO	ENAGAS	CARTAGENA	105,000	RT / UT
2003	Spain	MONESA	BBG	BILBAO	150,000	RT / UT
2004	Spain	MONESA	BBG	BILBAO	150,000	RT / UT
2004	Spain	FELGUERA	ENAGAS	BARCELONA	150,000	RT / UT
2004	Spain	MONESA	ENAGAS	CARTAGENA	150,000	RT / UT
2003	Spain	MONESA	ENAGAS	HUELVA	150,000	RT / UT
2004	Spain	MONESA	ENAGAS	HUELVA	150,000	RT / UT
2005	Spain	MONESA	SAGGAS	SAGUNTO	150,000	RT / UT
2005	India	ENTREPOSE	SHELL	HAZIRA	160,000	TS - UT
2005	Spain	FELGUERA	ENAGAS	BARCELONA	150,000	RT / UT
2006	Spain	MONESA	SAGGAS	SAGUNTO	150,000	RT / UT
2006	Spain	MONESA	ENAGAS	HUELVA	150,000	RT / UT
2006	Spain	MONESA	ENAGAS	HUELVA	150,000	RT / UT
2006	Spain	TANKO	REGANOSA	MUGARDOS	150,000	RT / AUT
2008	Spain	ACCIONA	EXXON MOBIL	ADRIATIC LNG TERMINAL (ALGECIRAS)	150,000	RT / UT
2008	Spain	ACCIONA	EXXON MOBIL	ADRIATIC LNG TERMINAL (ALGECIRAS)	150,000	RT / UT
2008	Spain	MONESA	ENAGAS	CARTAGENA	105,000	RT / UT
2008	Spain	MONESA	SAGGAS	SAGUNTO	150,000	RT / UT
2009	Chile	CB & I	ENAP	QUINTERO	160,000	RT / UT
2009	Chile	CB & I	ENAP	QUINTERO	160,000	RT / UT
2009	Spain	MONESA	ENAGAS	CARTAGENA	150,000	RT / UT
2010	Spain	MONESA	SAGGAS	SAGUNTO	150,000	RT / UT
2010	Spain	FELGUERA	ENAGAS	BARCELONA	150,000	RT / UT
2010	Spain	FELGUERA	ENAGAS	BARCELONA	150,000	RT / UT
2012	Spain	MONESA	BBG	BILBAO	150,000	AUT
2012	Chile	TECNICAS REUNIDAS	GRANDE NORTE CHILE II	MEJILLONES	150,000	AUT/RT