

Professional Services

Process Consulting—Ethylene Experience



COMPANY	ABOUT THE PLANT			ABOUT THE STUDY		
	FEEDSTOCK	WHEN BUILT (APPROX.)	LICENSOR	TYPE OF STUDY	PRELIMINARY OR DETAILED STUDY	STUDY YEAR
PetroChina Dushanzi Ethylene II, China	HTO/Naphtha/LHC	2009	Linde	Modelling	Preliminary	2016
FHR Port Arthur, TX, USA	Butane/E/P	1969/1996	Braun/S&W	Model Upgrade	Modelling	2014
LG Chem Ltd, Daesan, S Korea	Naphtha	1997	KBR	Energy	Detailed	2014
SCG ROC, Thailand	Naphtha/LPG	1998	Lummus	Revamp	Modeling	2013
YNCC No.3, Yeochun, S. Korea	Naphtha	1986	Lummus	Energy	Detailed	2013
Samsung-Total Chemicals, Daesan S. Korea	Naphtha	1990	Lummus	Debottlenecking Phase-2	Detailed	2013
Huntsman, Port Neches, USA	Ethane/Propane	1970's	S&W	Capacity Revamp	Detailed	2012
YNCC No.2, Yeochun, S. Korea	Naphtha	1985	S&W	Energy	Detailed	2012
Ineos (2), Chocolate Bayou, TX	E/P/Liquids	1975	Braun	Furnace study/Revamp review	Detailed	2011
FHR Odessa, TX	Ethane/Propane	1969/1996	Braun/S&W	Restart feasibility study	Detailed	2011
LG Chem Ltd., S. Korea	Naphtha	1991	Lummus	Model Update, Performance Audit	Detailed	2011
MOC, Rayong, Thailand	Naphtha	2010	Lummus	Modeling	Detailed	2010
YNCC No.1, Yeochun, S. Korea	Naphtha	1985	Lummus	Energy	Detailed	2010
Samsung-Total Chemicals, Daesan S. Korea	Naphtha	1990	Lummus	Debottlenecking	Detailed	2009
Samsung Total, Daesan, S. Korea	Naphtha	1990	Lummus	Energy	Detailed	2008
LG Chem, Ltd, Daesan, S. Korea	Naphtha	1999	KBR	Debottlenecking/ Energy	Detailed	2008
Lotte Daesan Petroch Corp., S. Korea	Naphtha	1999	KBR	Debottlenecking/ Energy	Detailed	2008
Honam Petrochem. Corp., Yeosu S. Korea	Naphtha	1990	Lummus	Debottlenecking/ Energy	Detailed	2008
LG Petrochemicals Co. Ltd., S. Korea	Naphtha	1991	Lummus	Debottlenecking/ Energy	Detailed	2007
Lyondell, Corpus Christi, USA	Ethane/Propane/Liquids	1975	KBR	Energy	Detailed	2007

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Total-Fina FAO NC3, Antwerp	Naphtha	1989	MW Kellogg	Energy	Detailed	2007
Lyondell, Clinton, USA	Ethane/Propane	1989	MW Kellogg	Energy	Detailed	2007
Lyondell, Morris, USA	Ethane/Propane	1989	Lummus	Energy	Detailed	2007
Huntsman, Port Neches, USA	Ethane/Propane	1970's	S&W	Performance Improvement	Detailed	2007
Huntsman, Port Arthur, TX	E/P/Liquids	1975/1987	Lummus/S&W	Debottlenecking/ Energy	Detailed (all cases)	2006
Total Petrochemical, Gonfreville, France	Naphtha	1988	S&W	Energy	Detailed	2006
Lotte, Daesan, S. Korea	Naphtha	1999	KBR	Debottlenecking	Detailed	2005
CPC, Lin Yuan, Taiwan	Naphtha	1984	Lummus	Performance Improvement	Detailed	2005
Huntsman Odessa, TX	Ethane/Propane	1969/1996	Braun/S&W	Debottlenecking/ Energy	Detailed (all cases)	2005
Innovene (2), Choc Bayou, TX	E/P/Liquids	1976	Braun/S&W	Modeling/Perf Improvement	Detailed	2005
Nanghai, China	Naphtha	-	S&W	Quench Modeling only	-	2004
KPIC, Ulsan, S. Korea	Naphtha	1991	Lummus	Debottlenecking	Detailed	2004
Shell, Berre, France	Naphtha	1980	TPL	Modeling only	-	2004
Williams Olefins, TX	Ethane	1975	Lummus	Modeling only	-	2004
Samsung Total, Daesan, S. Korea	Naphtha	1990	Lummus	Debottlenecking	Detailed	2004
Huntsman, Odessa, TX	Ethane/Propane	1969/1996	Braun/S&W	Debottlenecking/ Energy	Detailed	2004
BP Refinery Offgas	Offgas	-	-	Grass Roots Design	Detailed	2003
Rayong Olefins Co., Thailand	Naphtha/LPG	1998	Lummus	Revamp/Perf Improvement	Detailed	2003
Samsung General Chemicals	LPG/N/AGO	1991	Lummus	Modeling only	Detailed	2002
Yangzi (Chinese Petro. Co.)	N/AGO	1990	Lummus	Modeling only	-	2002
Yeochun NCC Co., Yeosu, S. Korea	Naphtha	1991	S&W	Debottlenecking/ Energy	Detailed	2001
Equate, Kuwait	Ethane	1997	B&R	Modeling/Perf Improvement	Detailed	2001
LG PC, S. Korea	Naphtha	1989	Lummus	C2 Splitter Study	Detailed	2001
BP GO	E/P/B/N	Concept	BP	Grass Roots	Detailed	2001-4
Honam	Naphtha	1990	Lummus	Energy	Detailed	2000

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Exxon (BOP), TX	Gas/Liquids	1980's	Exxon	Revamp	Detailed	2000
Westlake (P-I PFP)	Ethane	1990	MW Kellogg	Performance Improvement	Detailed	2000
Westlake (P-II PFP)	Ethane/Propane/C4	1998	Lummus	Debottlenecking	Detailed	2000
Equistar Choc. Bay., TX	Naphtha	1982	Lummus	Debottlenecking	Detailed	2000
ExxonMobil Chemicals	Liquid	-	-	Grass Roots	Detailed	2000
Equistar Chan. View OP2, TX	Naphtha	1978	Lummus	Debottlenecking	Detailed	2000
Westlake (P-II PFP)	Ethane/Propane/C4	1998	Lummus	Perf. improvement/ modeling	Detailed	1999
Huntsman	Ethane/Propane	1997 (Revamp)	S&W	Modeling only	-	1999
BASF (PA)	Naphtha	New	Lummus	Modeling only	-	1999
Hanwha, Yosu, S. Korea	Naphtha	1992	S&W	Energy/ Debottlenecking	Detailed	1999
Condea Vista	Ethane	1989	S&W	Debottlenecking	Preliminary	1999
Exxon (FAO), Belgium	Naphtha	1968	S&W	Debottlenecking	Preliminary	1999
Sunoco	Ethane	1967	Lummus	Energy	Detailed	1999
BP Amoco (1), Choc Bay, TX	E/P/Liquids	1975	Braun	Debottlenecking	Detailed	1999
BP Amoco (2), Choc Bay, TX	E/P/Liquids	1976	Braun/S&W	Debottlenecking	Detailed	1999
Phillips 66 (U24), Sweeney, TX	Ethane/Propane	1976	Braun	Debottlenecking	Detailed	1998
Titan Petro (TPC 1), Malaysia	Naphtha	1994	S&W	Debottlenecking	Detailed	1998
Nippon Petrochemical	Naphtha	1975	S&W	Energy	Part of Total Site	1998
Mitsui Chemical	Naphtha	1975		Special (energy analysis)	Preliminary	1997
DSM	Naphtha	1975	Lummus	Debottlenecking	Preliminary	1997
Showa Denko	Naphtha	1970	S&W	Energy	Preliminary	1997
Polifin (1), S. Africa	Ethane/Propane	1985	KTI/Linde	Debottlenecking	Preliminary	1997
Polifin (2), S. Africa	Ethane	1972	S&W/Linde	Debottlenecking	Preliminary	1997