

LIST OF MASPERO MAIN INDUSTRIAL REFERENCES

MIDDLE EAST

YEAR	PROJECT NAME	LOCATION	COUNTRY	CUSTOMER	END-USER	CAPACITY (kg)	TRAVEL (m)	TYPE
1992	Metal Refinery	Yazd	Iran	Pomini Farrel	Iran Government	8,000kg	30m	Roped EEXD
1996	Oil Refinery	Bandar Abbas	Iran	NIORDC	NIORDC	640kg	10m	Roped EEXD
1998	Oil Refinery	Kuwait	Kuwait	Union Carbide	Equate Petrochemical	1,400kg	40m	Roped EEXD
2003	PIDEF Marun Refinery	Marun	Iran	PIDEF	NIORDC	500kg	27m	Roped EEXD
						1,000kg	27m	Roped EEXD
2006	Q-Chem Plant - Extrusion Building & Purge Structure	Masaieed	Qatar	Tecnimont	Q-Chem	2,000kg	31m	Roped EEXD
						2,000kg	66m	Roped EEXD
2007	Bahrain Flour Mill	Manama	Bahrain	Zenco	State of Bahrain	480kg	51m	Roped IP65
2008	Tasnee Petrolchemical Complex	Al Jubail	Kingdom Of Saudi Arabia	Tecnimont	Tasnee	3,000kg	34m	Roped EEXD
2008	Elevator Pelleting Building	Al Shoaiba	Kuwait	Dragados Industrial Sa	Equate Petrochemical	2,500kg	51m	Roped EEXD
2008	Jubail Refinery Expansion	Al Jubail	Kingdom Of Saudi Arabia	Tecnimont	SATORP	3,100kg	35m	Roped EEXD
2010	Borouge III - Expansion Project	Al Ruwais - Abu Dhabi	UAE	Tecnimont	Borouge	5,775kg	26m	Roped EEXD
						5,775kg	31.5m	Roped EEXD
						5,400kg	9.5m	Roped EEXD
						5,400kg	9.5m	Roped EEXD
2010	IBN Batyar - Jubail	Al Jubail	Kingdom Of Saudi Arabia	Al Najim	SATORP	1,000kg	28m	Roped EEXD
2011	Abadan Refinery Renovation Phase III	Abadan	Iran	PIDEF	NIORDC	3,125kg	56m	Roped EEXD
2011	Turkmenbashi Refinery	Turkmenbashi	Turkmenistan	Lotus Enerji	Lotus Enerji	500kg	40m	R&P EEXD
2011	QAFCO Plant - Phase V & VI	Al Lusail	Qatar	Saipem	QAFCO	1,100kg	54m	Roped EEXD

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2013	Das Island Complex	Abu Dhabi	UAE	GASCO	ADGAS	1,000kg	48m	Roped EEXD
						1,000kg	40m	Roped EEXD
2015	Jebel Ali Power Plant & Desalination Complex	Jebel Ali	UAE	STF	DEWA	2,500kg	6m	Roped IP65
2015	Kish Water Reservoir Tower	Kish Island	Iran	O'Rand Lift	Kish Municipality	630kg	39m	Roped IP
2015	Polyethylene Unit	Al-Jubail	Kingdom Of Saudi Arabia	Al Najim	Petrokemya	500Kg	15m	R&P EEXD
In Progress	300 Kt/Y LLDPE/HDPE - 30 Kt/Y Butene-1	Khoramabad	Iran	Rhine Petrol Otomotiv	LPC	630Kg	52.5m	Roped EEXD
						630Kg	52.5m	Roped EEXD
In Progress	Sabic Kemya Rubber Plant	Al-Jubail	Kingdom of Saudi Arabia	Thyssen Saudi	Petrokemya	9,000Kg	23m	Hyd. EEXD
In Progress	Al Khumra Pumping Station	Jeddah	Kingdom Of Saudi Arabia	Al Najim	Abulijadayel Company	630kg	17m	R&P EEXD
						630kg	15m	R&P EEXD
In Progress	Polysilicon Project	Ras Laffan City	Qatar	Punj Lloyd	QSTec	4,000kg	30m	Roped EEXD
In Progress	Power Plant Complex	Kahnooj Region	Iran	O'Rand Lift	Mapna Group	1600kg	25m	Roped IP54
In Progress	Petrochemical Complex	Bandar Imam Khomeini	Iran	O'Rand Lift	Arvand Petrochemical Company	1,000kg	24m	Roped EEXD
						750kg	21m	Roped EEXD
						750kg	26m	Roped EEXD
In Progress	Clean Fuel Project Mina Abdullah Refinery	South-western Region	Kuwait	Petrofac	KNPC	1100kg	43.5m	Roped EEXD
In Progress	Clean Fuel Project Mina Abdullah Refinery	South-western Region	Kuwait	CB&I Netherlands	KNPC	300kg	34m	Roped EEXD
						300kg	34m	Roped EEXD
						300kg	34m	Roped EEXD

INDIA AND ASIAN COUNTRIES

YEAR	PROJECT NAME	LOCATION	COUNTRY	CUSTOMER	END-USER	CAPACITY (kg)	TRAVEL (m)	TYPE
1993	Puyang Chemical Plant	Puyang, Henan	China	CNTIC	Henan Municipality	1,350kg	27m	Roped EEXD
1994	Maoming Ethylene Factory	Maoming, Guangdong	China	Sinotec	Maoming Company	2,000kg	29.5m	Roped EEXD
2001	Haldia Refinery	Kolkata, West Bengal	India	IOCL	IOCL	1,000kg	50m	Roped EEXD
2002	Barauni Refinery	Bihar	India	IOCL	IOCL	1,000kg	57m	Roped EEXD
2003	Mumbai Refinery	Mumbai	India	BPCL	BPCL	1,000kg	71m	Roped EEXD
						1,000kg	33.5m	Roped EEXD
2005	Mumbai Refinery	Mumbai	India	Larsen & Toubro	HPCL	1,500kg	63m	Roped EEXD
2006	Gujarat Refinery	Gujarat, Vadoara	India	IOCL	IOCL	1,000kg	42.5m	Roped EEXD
						1,000kg	58m	Roped EEXD
2006	Visakh Refinery	Visakh, A. Pradesh	India	Technip	HPCL	1,000kg	61.5m	Roped EEXD
2006	Mae Moh Power Plant	Mae Moh, Lampang	Thailand	Kone Thai Lift	EGAT	1,350kg	19.5m	Roped IP65
2008	Bina Refinery	Bina, M. Pradesh	India	Technip	BORL	1,000kg	51m	Roped EEXD
2010	HDPE Project	Panipat	India	UHDE India Limited	IOCL	2,500kg	31m	Roped EEXD
2010	New Ammonia And Urea Plants	Daharki	Pakistan	Saipem	ENGRO	2,075kg	109m	Roped EEXD
2010	Gujarat Refinery	Gujarat, Vadoara	India	Lanxess	IOCL	2,000kg	24m	Roped EEXD
2011	Guru Gobind Singh Refinery	Bathinda, Punjab	India	EIL	HMEL	1,000kg	77m	Roped EEXD
						1,000kg	70m	Roped EEXD
2011	Guru Gobind Singh Refinery	Bathinda, Punjab	India	Technip	HMEL	1,500kg	38.5m	Roped EEXD
2011	CCR Cyclemax Regeneration System	Kochi	India	Technip	BPCL	1,500kg	58.5m	Roped EEXD
2011	Mumbai Refinery - New FCCU	Mumbai	India	HPCL	HPCL	1,100kg	54m	Roped EEXD
2011	Delayed Coker Unit (DCU)	Gujarat, Vadoara	India	Punj Lloyd	IOCL	3,000kg	65m	Roped EEXD
2012	Bina Refinery	Bina, M. Pradesh	India	Naftogaz	BORL	3,000kg	63m	Roped EEXD

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2012	Guru Gobind Singh Refinery	Bathinda, Punjab	India	EIL	HMEL	2,500kg	25m	Roped EEXD
						2,500kg	24m	Roped EEXD
						1,500kg	73.5m	Roped EEXD
2012	Phulpur Phase 1	Phulpur, Allahabad	India	IFFCO	IFFCO	1,000kg	77m	Roped EEXD
2013	PFCC Unit – MRPL phase III	Mangalore	India	EIL	MRPL	1,500kg	65m	Roped EEXD
2013	Naptha Cracker Project	Panipat	India	EIL	IOCL	1,500kg	37m	Roped EEXD
2013	Mangalore Refinery - Coku	Mangalore	India	Punj Lloyd	MRPL	3,200kg	65m	Roped EEXD
2013	Guwahati Refinery	Guwahati, Assam	India	IOT Design & Engineering Ltd	IOCL	3,000kg	45m	Roped EEXD
2013	3850 MTPD Fertilizer Project	Panagarh, West Bengal	India	Global Supplies	MATIX	2,000kg	124m	Roped EEXD
2013	120kta SBR Plant	Panipat	India	Toyo	ISRL	2,150kg	4.5m	Roped EEXD
2014	RR Package Project	Paradip, Jagatsingpur	India	Larsen & Toubro Ltd.	IOCL	1,500kg	77m	Roped EEXD
2014	SRU Unit of Phase III Expansion Project	Mangalore	India	EIL	MRPL	2,500kg	25m	Roped EEXD
						2,500kg	33m	Roped EEXD
2014	Petrolchemical Complex	Dibrugarh, Assam	India	EIL	BCPL	2,500kg	32m	Roped EEXD
						2,500kg	32m	Roped EEXD
2014	Delayed Coker Unit - Cuddalore Refinery	Tamil Nadu	India	Technip	BPCL	3,100kg	64m	Roped EEXD
2014	Petrochemical Complex – Phase II	Pata, Uttar Pradesh	India	EIL	GAIL India Limited	2,500kg	45m	Roped EEXD
2015	Resid Fluid Catalytic Cracking (RFCC) Project	Cilacap, Java	Indonesia	GS Construction Korea	Pertamina	3,000kg	78.5m	Roped EEXD
In Progress	PP Plant 1x340 ktpy	Dahej	India	Tecnimont	OPAL	2,000kg	33.5m	Roped EEXD
In Progress	Coker Block Of Resid- Upgradation	Manali, Chennai	India	EIL	CPCL	3,150Kg	67.5m	Roped EEXD
In Progress	Coke Chamber Replacement	Barauni	India	EIL	IOCL	900Kg	40m	Roped EEXD
In Progress	CDU-4 Project	Mahul	India	EIL	BPCL	1,000kg	83m	Roped EEXD

YEAR	PROJECT NAME	LOCATION	COUNTRY	CUSTOMER	END-USER	CAPACITY (kg)	TRAVEL (m)	TYPE
In Progress	J3 – PE-CPF Plant & LDPE Plant	Jamnagar, Gujarat	India	Reliance Industries Ltd.	Reliance Industries Ltd.	408Kg	95m	R&P EEXD
						3,000Kg	31.5m	Roped EEXD
						4,200Kg	43.5m	Roped EEXD
						4,200Kg	43.5m	Roped EEXD
						2,500Kg	40m	Roped EEXD
						1,000Kg	59m	Roped EEXD
						1,000Kg	59m	Roped EEXD
						3,150Kg	30m	Roped EEXD
In Progress	Reactor & Regenerator Package Of FCC Unit	Kochi	India	Essar Project Ltd.	BPCL	1,500kg	67m	Roped EEXD
						1,000Kg	80m	Roped EEXD
In Progress	LLDPE/HDPE - 2x360 ktpa	Dahej	India	Tecnimont	OPAL	1,000kg	65m	Roped EEXD
						1,000kg	65m	Roped EEXD
In Progress	PX-4 Plant	Jamnagar, Gujarat	India	Reliance Industries Ltd.	Reliance Industries Ltd.	3,000kg	27m	Roped EEXD
						3,000kg	27m	Roped EEXD
						3,000kg	27m	Roped EEXD
In Progress	Converting CRU into Isomerisation Unit Project	Mahul, Mumbai	India	EIL	BPCL	1,600kg	84m	Roped EEXD
In Progress	DTA Coker Revamp Project	Jamnagar, Gujarat	India	Reliance Industries Ltd.	Reliance Industries Ltd.	2,700kg	68m	R&P EEXD
In Progress	RAPID – Package 3	Pengerang, Johor	Malaysia	Tecnicas Reunidas	Petronas	5,400kg	36.5m	Roped EEXD
In Progress	RAPID – Package 5	Pengerang, Johor	Malaysia	Toyo	Petronas	2,000kg	37.5m	Roped EEXD
In Progress	RAPID – Package 1	Pengerang, Johor	Malaysia	CTCI	Petronas	1,000kg	64m	Roped EEXD
						1,000kg	64m	Roped EEXD

EUROPE AND AFRICA

YEAR	PROJECT NAME	LOCATION	COUNTRY	CUSTOMER	END-USER	CAPACITY (kg)	TRAVEL (m)	TYPE
1985	Pharmaceutical Plant	Milan	Italy	Le Petit Industries	Le Petit Industries	1,000kg	10m	Hyd. EEXD
1989	Henkel Chemical Plant	Lomazzo, Como	Italy	Henkel	Henkel	3,000kg	4.5m	HYD. EEXD
1995	Milazzo Oil Refinery	Milazzo	Italy	Eni	Eni	850kg	12m	Roped EEXD
1999	Cement Factory	Colleferro, Roma	Italy	Italcementi	Italcementi	1,000kg	51.5m	Roped EEXD
2006	Calusco Plant	Calusco D'adda	Italy	Italcementi	Italcementi	2,000kg	54.5m	Roped EEXD
2007	Termini Imerese Power Plant	Termini Imerese (PA)	Italy	Ansaldo	ENEL S.P.A.	1,000kg	29m	R&P IP54
2007	Escatron Power Plant	Escatron, Aragon	Spain	Ansaldo	E.ON Espana	1,000kg	34m	R&P IP54
2007	Herdecke Power Plant	Herdecke, Ruhr	Germany	Ansaldo	Sudwestfalen Energie Wasser	1,000kg	39m	R&P IP54
2007	Waste Management Plant	Acerra	Italy	Fisia Italimpianti	Acerra Municipality	2,000kg	39m	Roped IP54
2008	Scarabeo 8 Platform	North Sea	Fincantieri	Saipem	500kg	43m	R&P IP	
					500kg	43m	R&P IP	
					500kg	43m	R&P IP	
					500kg	43m	R&P IP	
2010	Tank Farm	Mendrisio	Switzerland	ECSA Group	ECSA Group	5,000kg	5.2m	R&P EEXD
2010	Bidachem Plant	Fornovo	Italy	Ingelheim Bohringer	Ingelheim Bohringer	3,200kg	22m	R&P EEXD
2011	Ait Baha New Plant Project	Ait Baha	Morocco	Italcementi	Ciments Du Maroc	2,000kg	73.5m	Roped IP
2013	Elefsina Refinery - Flexicoking Unit	Elefsina, Athens	Greece	HELPE	HELPE	2,000kg	72.5m	Roped EEXD
						1,000kg	72.5m	Roped EEXD
						1,000kg	46m	Roped EEXD
						1,500kg	41m	Roped EEXD
2015	Nubaria Power Station	Alexandria	Egypt	STF	WDEPC	1,000kg	31.5m	Roped IP65

YEAR	PROJECT NAME	LOCATION	COUNTRY	CUSTOMER	END-USER	CAPACITY (kg)	TRAVEL (m)	TYPE
In Progress	Rehabilitation And Adaptation Project	Algiers Refinery	Algeria	Technip	Sonatrach	2,000kg	57m	Roped EEXD
In Progress	Refinery Residuuum Upgrading Project	Izmit	Turkey	UTE TR RUP	Tupras	2,750kg	54m	Roped EEXD
In Progress	New Forth Bridge (Queensferry Crossing)	Rosyth	Scotland	FCBC (Forth Crossing Bridge Constructor)	Transport Scotland	400kg	180m	R&P IP
						400kg	180m	R&P IP
						400kg	180m	R&P IP
In Progress	Ethylene Plant	El Ameriya, Alexandria	Egypt	Toyo	ETHYDCO	450kg	31.5m	Roped EEXD

OTHER COUNTRIES

YEAR	PROJECT NAME	LOCATION	COUNTRY	CUSTOMER	END-USER	CAPACITY (kg)	TRAVEL (m)	TYPE
2005	The Horizon Oil Sands Project	Fort McMurray	Canada	Technip	Horizon	3,065kg	68m	Roped EEXD
In Progress	Talara Refinery Modernization Project	Talara	Perù	Técnicas Reunidas	Petroperu	1,000Kg	53.7m	Roped EEXD
						2,000Kg	76m	Roped EEXD
						1,000Kg	76m	Roped EEXD