



*German Cathodic Protection*

# REFERENCE LIST

**Cathodic Corrosion Protection  
of  
INDUSTRIAL PLANTS**





## INDUSTRIAL PLANTS

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Year	Customer	Country	Project	Activities
1974	S.O.C. South Oil Company	Iraq	Tankfarm Rumaila 10 Oil tanks, 2 Firewater tanks Pipeline network Total surface: 55 000 m <sup>2</sup>	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> <li>• Maintenance</li> </ul>
1974	S.O.C. South Oil Company	Iraq	Tankfarm Fao 16 Oil tanks, 2 Firewater tanks Pipeline network Total surface: 80 000 m <sup>2</sup>	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> <li>• Maintenance</li> </ul>
1976	NOC North Oil Company	Iraq	Tankfarm Kirkuk 6 Oil tanks, 2 Firewater tanks Pipeline network Total surface: 18 000 m <sup>2</sup>	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> <li>• Maintenance</li> </ul>
1976	NOC North Oil Company	Iraq	Tankfarm Mosul 2 Oil tanks, 2 Firewater tanks Pipeline network Total surface: 8 000 m <sup>2</sup>	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> <li>• Maintenance</li> </ul>
1976	NOC North Oil Company	Iraq	Tankfarm Jambur 4 Oil tanks, 2 Firewater tanks Pipeline network Total surface: 16 000 m <sup>2</sup>	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> <li>• Maintenance</li> </ul>
1982	Brega Petroleum Marketing Company	Libya	Tankfarm, Sawia Sansur 32 Oil tanks, 3 Firewater tanks Pipeline network Total surface: 24 000 m <sup>2</sup>	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> <li>• Maintenance</li> </ul>
1982	Mannesmann Demag AG	Saudi Arabia	Rolling mill steel complex Pipeline network 6 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> <li>• Maintenance</li> </ul>
1982	NIIGATA Co. Ltd. Tokyo	Iraq Kirkuk	North Refinery 4 Oil tanks, Pipeline network Total surface: 11 000 m <sup>2</sup>	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> <li>• Maintenance</li> </ul>
1984	Nord-West Oelleitung GmbH	Germany	Tankfarm Wilhelmshaven 1 Oiltank Total surface: 7 850 m <sup>2</sup>	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> </ul>
1984	ABB	Iran	Nils Power plant Pipeline network 45 km	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> <li>• Commissioning</li> </ul>
1985	Mannesmann Anlagenbau AG	Libya	Steel plant Misurata Pipeline network 85 km	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> </ul>
1985	Siemens AG KWU	Algeria	Power plant Ras Djinet Pipeline network	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> <li>• Maintenance</li> </ul>



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1986	AGOCO Arabian Gulf Oil Company	Libya	Tobruk terminal Tanks Pipeline network	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul> <ul style="list-style-type: none"> <li>• Construction</li> <li>• Commissioning</li> </ul>
1986 1987	AGOCO Arabian Gulf Oil Company	Libya	GOSP areas, Nafoora oilfield Tanks Pipeline network	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul> <ul style="list-style-type: none"> <li>• Construction</li> <li>• Commissioning</li> </ul>
1987 1988	AGOCO Arabian Gulf Oil Company	Libya	GOSP areas, Sarir oilfield Tanks Pipeline network	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul> <ul style="list-style-type: none"> <li>• Construction</li> <li>• Commissioning</li> </ul>
1988 1989	AGOCO Arabian Gulf Oil Company	Libya	GOSP areas, Hamada oilfield Tanks Pipeline network	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul> <ul style="list-style-type: none"> <li>• Construction</li> <li>• Commissioning</li> </ul>
1988	SOC Sirte Oi Company	Libya	Sahl Gas Facilities Tanks Pipeline network	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> </ul> <ul style="list-style-type: none"> <li>• Commissioning</li> </ul>
1989	NOC North Oil Company	Iraq	Saddam oil field Tanks Pipeline network	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul> <ul style="list-style-type: none"> <li>• Construction</li> </ul>
1989	RASCO	Libya	Processing plant Tanks Pipeline network	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul> <ul style="list-style-type: none"> <li>• Construction</li> <li>• Commissioning</li> </ul>
1989	Krishak Bharati Cooperative Ltd.	India Hazira	Ammonia Extension Plant Pipeline network	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Commissioning</li> </ul>
1991	Beta-Raffinerie	Germany	Refinery Wilhelmshaven Pipeline network	<ul style="list-style-type: none"> <li>• Maintenance</li> </ul>
1992	Preussag Noell GmbH	Pakistan	GUDDU Power plant Pipeline network	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> <li>• Commissioning</li> </ul>
1993	AGOCO Arabian Gulf Oil Company	Libya	Tobruk Refinery extensiom Pipeline network	<ul style="list-style-type: none"> <li>• Engineering</li> </ul>
1993	RASCO	Libya	Processing plant extension Tanks Pipeline network	<ul style="list-style-type: none"> <li>• Engineering</li> </ul>
1993	Veba Oil Operations	Libya	Tankfarm Ras Lanuf Tanks Pipeline network	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> </ul> <ul style="list-style-type: none"> <li>• Commissioning</li> </ul>



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1994	Beta-Raffinerie	Germany	Refinery Wilhelmshaven Pipeline network	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> </ul> <ul style="list-style-type: none"> <li>• Commissioning</li> </ul>
1994	Dea Mineraloel AG	Germany	Tankfarm Köln Wesseling Tanks Pipeline network	<ul style="list-style-type: none"> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> </ul>
1994	RASCO	Libya	Processing plant Phase II Tanks Pipeline network	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
1995	Wintershall AG	Libya	Oil plant Nafoora Tanks Pipeline network	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> </ul>
1995	Hellmut Geiger GmbH & Co. KG	Abu Dhabi	Power plant Al Taweelah Pipeline network	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> <li>• Commissioning</li> </ul>
1999	SINDICATO ENERGETICO S.A.	Peru	Water Power Plant 372 m Down pipes Diameter: 2,60 m	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul>
2001	Radici Chimica Deutschland GmbH Krupp Uhde	Germany Zeitz	Nitric acid and Adipic acid Plant Pipeline network, Tanks	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul> <ul style="list-style-type: none"> <li>• Construction</li> <li>• Commissioning</li> </ul>
2001	TRANSGAZ KBB-Germany	Portugal	Carrico Gas Storage Project Gas Pipeline network 5 Well Casings	<ul style="list-style-type: none"> <li>• Engineering</li> </ul>
2003	Bilfinger Berger Gas and Oil Services Nigeria Limited	Nigeria	Atlas Cove Depot Oil storage tank	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> </ul>
2003	KSB Fluid Systems GmbH	Libya	Conveyance Pumping Station Benghazi Pipeline network	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul> <ul style="list-style-type: none"> <li>• Commissioning</li> </ul>
2004	SOC Sirte Oil Company	Libya	Brega Terminal Pipeline network, Tanks Underground facilities	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> </ul>
2006	Bosna-S Oil Services Company Bosnia & Herzegovina	Libya	Nafoora Oilfield CPS Upgrade	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> </ul>
2006	GASSCO Germany	Germany	NGT Emden Gas port plant	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul> <ul style="list-style-type: none"> <li>• Construction</li> <li>• Commissioning</li> <li>• Maintenance</li> </ul>



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2007	Bilfinger Berger Germany	Nigeria	Escravos Gas-to-Liquid Plant	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> </ul>
2007	Wintershall Germany	Libya	Oilfield Jakhira Manifold N1	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul>
2008	Wintershall Germany	Libya	Oilfields Tuama, Jakhira and Nakhia	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul>
2007 2008	AGOCO Arabian Gulf Oil Company	Libya	Oilfield Hamada Upgrading CP-systems	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul> <ul style="list-style-type: none"> <li>• Commissioning</li> </ul>
2008	AGOCO Arabian Gulf Oil Company	Libya	Oilfield Sarir Upgrading CP-systems	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul> <ul style="list-style-type: none"> <li>• Commissioning</li> </ul>
2008	Trianel GmbH	Germany	Epe gas storage plant	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul> <ul style="list-style-type: none"> <li>• Commissioning</li> </ul>
2009	ENEX Process Engineering	Turkmenistan	Compressor station Bagtyyarlyk	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2009 2010	Chemservice Russia	Russia	GAZPROM Compressor stations	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2010	SPPHC Sudanese Petroleum Pipeliens Company	Sudan	Strategic Petroleum Depot Al-Bara	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul> <ul style="list-style-type: none"> <li>• Commissioning</li> </ul>
2010	SPPHC Sudanese Petroleum Pipeliens Company	Sudan	Strategic Petroleum Depot Port Sudan	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> </ul> <ul style="list-style-type: none"> <li>• Commissioning</li> </ul>
2010	PETRO GAS FZE Dubai U.A.E.	Turkmenistan	Extension of General processing and storage facilities	<ul style="list-style-type: none"> <li>• Material supply</li> </ul> <ul style="list-style-type: none"> <li>• Construction</li> </ul>
2010	ENEX Process Engineering	Turkmenistan	Compressor station DOVLETABAT-2	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2011	PETRO GAS FZE Dubai U.A.E.	Turkmenistan	NPF Trunkline and two sub-sea pipelines	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2011	PDOC Petrodar Operating Company	Sudan	Upgrading Marine Terminal Port Sudan	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul> <ul style="list-style-type: none"> <li>• Construction</li> <li>• Commissioning</li> </ul>



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2011	Asia Gas Pipeline LLP	Kazakhstan	Asia gas pipeline Kazakhstan-China 8 Compressor stations	• Material supply
2013	Kazakhstan-China Pipeline LLP	Kazakhstan	Oil pipeline Atasu-Alashankou 4 Pumping stations	• Material supply
2013	RASCO Ras Lanuf Oil & Gas Processing Company	Libya	Processing plant Upgrading CP-systems 10 Magnetite anode chains	• Material supply
2013	PETROGAS FZE	Turkmenistan	Gas compressor station	• Material supply
2014	PETROGAS FZE	Turkmenistan	Gas compressor station	• Material supply
2014	GASSCO	Germany	NGT Emden New Gas port plant	• Engineering • Material supply • Construction • Commissioning
2014	GASSCO	France	Gas plant Dunkerque 11 TR-units 10 Deep well anodes	• Material supply • Construction • Commissioning
2014	STATOIL	Norway	Kollsness Gas Processing Plant Hot-spot Kvitebjørn	• Engineering • Material supply • Construction
2014	Gassnor/Shell	Norway	Kollsness-Naeringspark Connection pipelines 3 TR-units	• Material supply • Construction • Commissioning
2014	SCOP State Company for Oil Projects	Iraq	Zubair Storage Depot 16 T/R-units	• Material supply
2014	SCOP State Company for Oil Projects	Iraq	TUBA & ZUBAIR 2 Depots	• Material supply
2015	SABIC Saudi Basic Industries Corporation	Saudi Arabia	CO2 Utilization Plant	• Survey • Engineering • Material supply • Supervision • Commissioning
2014 2015	Linde Engineering SAFCO UNITED PLANT	Saudi Arabia	CP-System AL-Jubail CO2 Plant	• Survey • Design • Engineering • Material supply • Construction
2015	SABIC Saudi Basic Industries Corporation	Saudi Arabia	CP-System Tank protection KAYAN Plant	• Material supply
2014	SCOP State Company for Oil Projects	Iraq	TUBA & ZUBAIR 2 Depots	• Material supply



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2015	SABIC Saudi Basic Industries Corporation	Saudi Arabia	CO2 Utilization Plant	<ul style="list-style-type: none"><li>• Survey</li><li>• Engineering</li><li>• Material supply</li><li>• Supervision</li><li>• Commissioning</li></ul>
2015 2017	Linde AG	Russian Federation	CP-System for Plant TOBOLSK_02	<ul style="list-style-type: none"><li>• Design</li><li>• Engineering</li><li>• Material supply</li></ul>
2017	MMEC Mannesmann GmbH	Germany	Deodorisation Plant TEMP 13 <sup>th</sup> Extension	<ul style="list-style-type: none"><li>• Design</li><li>• Engineering</li></ul>