

**German Cathodic Protection**



# REFERENCE LIST

## Cathodic Corrosion Protection

### DEEP ANODE GROUND BEDS



**GCP German Cathodic Protection GmbH**  
Am Luftschacht 23  
45307 Essen  
Germany

**Telefon +49 201 61587 0**  
**Telefax +49 201 61587 10**  
**E-mail [email@gcp.de](mailto:email@gcp.de)**  
**Internet <http://www.gcp.de>**

## DEEP ANODE GROUNDBEDS

## Cathodic Protection

Year	Customer	Country	Project	Type of anodes	open hole	closed hole
1981	SOC Sirte Oil Company	Libya	Plant area Zelten and Raguba	Silicon iron		15
1984	Nord-West Oelleitungs GmbH	Germany	Tankfarm Wilhelmshaven	Silicon iron		3
1984	Nord-West Kavernengesellschaft	Germany	Oilfield Sottorf Oil wells	Silicon iron		2
1984	Deutsche Texaco	Germany	Oilfield Heide Oil wells	Silicon iron		3
since 1985	Gelsenwasser AG	Germany	Pipeline network	Magnetite		8
1985	AGOCO Arabian Gulf Oil Company	Libya	Tobruk terminal Tanks Pipeline network	Silicon iron		2
1986	Dortmunder Stadtwerke AG	Germany	Pipeline network	Silicon iron		1
1986	AGOCO Arabian Gulf Oil Company	Libya	Oil shipping pipeline Sarir - Tobruk	Silicon iron		6
1986	AGOCO Arabian Gulf Oil Company	Libya	Nafoora oilfield Oil wells, Tanks, Pipeline network	Magnetite	121	
1987	AGOCO Arabian Gulf Oil Company	Libya	Sarir oilfield Oil wells, Tanks, Pipeline network	Magnetite	92	
1987	Nord-West Kavernengesellschaft	Germany	Oilfield Lesum Oil wells	Silicon iron		1
1988	AGOCO Arabian Gulf Oil Company	Libya	Hamada oilfield Oil wells, Tanks, Pipeline network	Magnetite	81	3
1988	SOC Sirte Oil Company	Libya	Sahl Gas Facilities Tanks Pipeline network	Silicon iron		5
1989	Stadtwerke Solingen AG	Germany	Pipeline network	Silicon iron		1
1989	RASCO	Libya	Processing plant Tanks and pipeline network	Magnetite	21	
1990	Stadtwerke Hamm AG	Germany	Pipeline network	Silicon iron		2
1991	Beta Raffinerie Wilhelmshaven GmbH	Germany	Refinery Wilhelmshaven Pipeline network	Silicon iron		5

**DEEP ANODE GROUND BEDS**
**Cathodic Protection**

Year	Customer	Country	Project	Type of anodes	open hole	closed hole
1991	STATOIL	Germany	EMS, Emden Europipe Metering Station	Magnetite		1
1993	Stadtwerke Hamm AG	Germany	Pipeline network	Silicon iron		1
1994	AGOCO Arabian Gulf Oil Company	Libya	Tobruk terminal Tanks Pipeline network	Magnetite		6
1994	DEA Mineraloel AG	Germany	Tankfarm Köln Wesseling Tanks Pipeline network	Magnetite		7
1995	STATOIL	Germany	EMS, Emden Europipe Metering Station	Magnetite		5
1995	STATOIL	Germany	ERF, Dornum Europipe Receiving Facilities	Magnetite		3
1995	Budapest Gaswerke AG	Hungary	Gas pipeline network	Magnetite	17	1
since 1997	Stadtwerke Essen AG	Germany	Pipeline network	Magnetite		2
1997	Thyssengas AG	Germany	Gas pipeline network	Silicon iron		1
1997	RASCO	Libya	Processing plant extension Tanks and pipeline network	Magnetite	9	
1998	Dortmunder Stadtwerke AG	Germany	Pipeline network	Magnetite		1
1998	Waha Oil Company	Libya	Defa oilfield	Magnetite	4	
1998	Daqing Petroleum Administrative Bureau	China	Daqing oilfield Oil wells	Magnetite	1	
1999	Wintershall AG	Libya	Oil pipeline Nafoora - Jakhira	Magnetite	3	
2000 2001	AGOCO Arabian Gulf Oil Company	Libya	Sarir oilfield Oil wells Pipeline network	Magnetite	31	
2002	OFFSET GROUPS Technip, Germany	UAE	Water pipeline 2 x 64", 180 km	Magnetite	2	
2002	Budapest Gaswerke AG	Hungary	Gas pipeline network	Magnetite	4	
2003	Budapest Gaswerke AG	Hungary	Gas pipeline network	Magnetite	3	
2004	Budapest Gaswerke AG	Hungary	Gas pipeline network	Magnetite	4	

**DEEP ANODE GROUND BEDS**
**Cathodic Protection**

Year	Customer	Country	Project	Type of anodes	open hole	closed hole
2008	NWKG Germany	Germany	Cavern field Ruestersiel	Magnetite		1
2008	NWKG Germany	Germany	Cavern field Heide	Magnetite		1
2008	Stadtwerke Essen AG	Germany	Pipeline network	Magnetite		1
2008	Trianel Germany	Germany	Epe Gas storage tank	Magnetite		6
2009	Stadtwerke Essen AG	Germany	Pipeline network	Magnetite		1
2010	Austria Armaturen GmbH	Hungary	Gas pipeline network Budapest Gaswerke AG	Magnetite	30	
2010	CHEMSERVICE	Russia	Gas pipeline network and oil pipeline network	Magnetite		27
2011	SPPHC Sudanese Petroleum Pipelines Company	Sudan	Strategic Petroleum Depot Port Sudan	Magnetite	4	
2011	CHEMSERVICE	Russia	Gas pipeline network and oil pipeline network	Magnetite		108
2011	PETRO GAS FZE Dubai, U.A.E.	Turkmenistan	NPF Trunkline and two sub-sea pipelines	MMO		1
2011	Austria Armaturen GmbH	Hungary	Gas pipeline network Budapest Gaswerke AG	Magnetite	1	
2011	NWKG	Germany	Gas storage tank Heide	Magnetite		4
2011	Gassco	Germany	NGT plant	Magnetite		3
2012	PETRONEEDS Co.	Sudan	Block 17 Southern Kordofan	Magnetite		3
2012	SABIC Saudi Basic Industries Corporation	Saudi Arabia	Different Locations	Magnetite	2	
2012	NWKG	Germany	Wilhelmshaven	Magnetite		3
2012	Nordic Yards GmbH	Germany	Warnemünde	Magnetite	2	
2012	Oman Gas Company S.A.O.C.	Oman	Oman	Magnetite	1	
2013	Nordic Yards GmbH	Germany	Warnemünde	Magnetite	2	

**DEEP ANODE GROUND BEDS**
**Cathodic Protection**

Year	Customer	Country	Project	Type of anodes	open hole	closed hole
2013	NWKG Germany	Germany	Bremen-Lesum	Magnetite		1
2012 2014	GNPOC Greater Nile Petroleum Operating Company	Sudan	Different Locations	Magnetite		6
2014	GASSCO	Germany	Emden	Magnetite		6
2014	France	Germany	Dunkerque	Magnetite		10
2014	NWKG	Germany	Wilhelmshaven	Magnetite		2
2013 2014	SABIC Saudi Basic Industries Corporation	Saudi Arabia	Different Locations	Magnetite	4	
2014	S.O.C. South Oil Company	Iraq	Different Locations	Magnetite	40	
2014	Ras Lanuf Oil & Gas Processing Co.	Libya	Ras Lanuf Oil & Gas Processing Co.	Magnetite	200	
2015	Gulf Petrochemical	Oman	Different Locations	Magnetite	50	
2018	Ras Lanuf Oil & Gas Processing Co.	Libya	Ras Lanuf Oil & Gas Processing Co.	Magnetite	40	
2018	Dortmunder Netz GmbH	Germany	LA030	Magnetite		1
2018	NWKG	Germany	Heide	Magnetite		1
2018	NWKG	Germany	Bremen / K102	Magnetite		1
2019	Petro Gas LLP Turkmenogas	Turkmenistan	Different Locations	Magnetite	30	
2019 - 2023	ThyssenKrupp Industrial Solutions AG	Hungary	MOL Polyol Project	Magnetite	16	
2020	Ras Lanuf Oil & Gas Processing Co.	Libya	Ras Lanuf Oil & Gas Processing Co.	Magnetite	240	
2020 2024	OOO Promtekhmaster Transneft	Russia	Different Locations	Magnetite	3000	
2021	Ras Lanuf Oil & Gas Processing Co.	Libya	Ras Lanuf Oil & Gas Processing Co.	Magnetite	80	
2021	Equinor ASA	Norway	Kalstö	Magnetite	1	

<b>Year</b>	<b>Customer</b>	<b>Country</b>	<b>Project</b>	<b>Type of anodes</b>	<b>open hole</b>	<b>closed hole</b>
2020	Al Alamia Corrosion Control Technology	Libya	AGOCO Nafoora oilfield	Magnetite	1	
2022	DLZ-Rostock Bundeswehr	Germany	DLZ-Rostock	Magnetite	6	
2024 2025	Egyptian Maintenance Company	Libya	Az Zawiya Refinery CP-Upgrade	Magnetite	8	