

**German Cathodic Protection**



# REFERENCE LIST

## Cathodic Corrosion Protection

### CLOSE POTENTIAL SURVEY



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## CLOSE POTENTIAL SURVEY

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Year	Customer	Country	Project	Pipeline length
since 1967	Gelsenwasser AG	Germany	Water pipelines 20" - 20"	410 km
since 1968	Stadtwerke Solingen AG	Germany	Gas pipeline network 10" - 12"	145 km
since 1969	Stadtwerke Solingen AG	Germany	Water pipeline network 32"	34 km
1972	Nord-West Oelleitungs GmbH	Germany	NWO Oil pipeline 28"	40 km
since 1975	Stadtwerke Lippstadt AG	Germany	Gas pipeline network 8" - 12"	65 km
since 1975	NWKG Nord-West Kavernengesellschaft	Germany	Oil- and saltwater pipelines 8" - 44"	180 km
since 1979	Aabach Talsperrenverband	Germany	Water pipeline network 32"	42 km
since 1980	Gelsenwasser AG	Germany	Gas pipeline network 4" - 12"	210 km
since 1980	Dortmunder Stadtwerke AG	Germany	Gas pipeline network 4" - 12"	85 km
since 1980	Stadtwerke Herne AG	Germany	Gas pipeline network 4" - 12"	40 km
since 1980	Stadtwerke Hamm AG	Germany	Water pipeline 28"	18 km
since 1980	Stadtwerke Hamm AG	Germany	Gas pipeline network 4" - 12"	50 km
since 1982	Niederrheinische Gas- und Wasserversorgung	Germany	Gas- and water pipeline network 10" - 16"	20 km
1982	Stadtwerke Essen AG	Germany	Gas- and water pipeline network 10" - 40"	20 km
1982	Air Products	Germany	Oxygen pipeline 6"	1 km
1987	Deutsche Gasrußwerke	Germany	Oxygen pipeline 6"	1 km
1987	(ONGC) Oil & Natural Gas Commission	India	Oil- and Gas-Bay-Pipelines 8" - 36"	103 km
1987	(ONGC) Oil & Natural Gas Commission	India	Offshore corridor Oil- and Gas-Bay-Pipelines	10 km
since 1988	Saar Ferngas AG	Germany	Gas pipeline network 4" - 20"	950 km

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Year	Customer	Country	Project	Pipeline length
since 1988	Stadtwerke Bonn AG	Germany	Gas- and water pipeline network 2" - 20"	65 km
1988	Gas-, Elektrizitäts- und Wasserwerke Köln AG	Germany	Gas pipeline network 2" - 20"	40 km
since 1989	Stadtwerke Ahlen	Germany	Gas pipeline network 2" - 16"	16 km
since 1990	Karstadt AG Essen	Germany	Gas pipeline network 2" - 16"	2 km
since 1991	Stadtwerke Fröndenberg	Germany	Gas pipeline network 2" - 16"	11 km
since 1991	VSE AG	Germany	Gas pipeline network 2" - 16"	15 km
1991	Countinho Caro	Abu Dhabi	Product pipeline 8" - 16"	16 km
1991	STATOIL	Germany	Gas pipelines 2" - 42"	76 km
1991	AGOCO Arabian Gulf Oil Company	Libya	Gas pipeline network 4" - 12" Gas pipelines 6" - 20"	60 km
1991 1993	WINGAS GmbH	Germany	MIDAL Gas pipeline 32" - 40"	584 km
1993	Teerbau GmbH	Germany	RHG Gas pipeline 32" - 36"	120 km
1993	Südrohrbau	Germany	EUROPIPE I Gas pipeline 40" - 42"	63 km
1993	GAZPROM	Russia	Pipeline Corridor Krasnotorinsk	30 km
since 1994	Thyssengas AG	Germany	Gas pipeline network 4" - 20"	140 km
1995	Ruhrgas AG	Germany	Gas pipelines	127 km
1995	WINGAS GmbH	Germany	STEGAL Gas pipeline	50 km
1995	Beltransgas	Belarus	Gas pipeline Torgok-Minsk-Iwazewitschi	100 km
1998	Gasversorgung Westfalica GmbH	Germany	Gas pipeline network 2" - 16"	25 km
1999	BSL Olefinverbund GmbH	Germany	Product pipelines 6" - 16"	674 km

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Year	Customer	Country	Project	Pipeline length
1999	BSL Olefinverbund GmbH	Germany	Ethylene pipeline 10"	123 km
1999	STATOIL	Germany	EUROPIPE II Gas pipeline 10"	6 km
1999	BVV-Chemie GmbH	Germany	Saltwater pipeline 16"	48 km
2000	STATOIL	Norway	Gas-, Oil- and Condensate pipelines 8" - 42"	67 km
2001	AGOCO Arabian Gulf Oil Company	Libya	Oilfield Nafoora Gas lifting systems Pipelines	203 km
since 2001	Gelsenwasser AG	Germany	Gas pipeline network 4" - 10"	130 km
since 2001	Gasversorgung Westfalica GmbH	Germany	Gas pipeline network 4" - 10"	39 km
2002	NWKG Nord-West Kavernengesellschaft	Germany	Oil- and saltwater pipelines 8" - 44"	44 km
2002	STATOIL	Norway	Gas-, Oil- and Condensate pipelines 8" - 42"	112 km
2002	Saar Ferngas AG	Germany	Gas pipeline network 4" - 20"	33 km
2003	Gelsenwasser AG	Germany	Gas pipeline network 4" - 10"	64 km
2003	Stadtwerke Hamm AG	Germany	Gas pipeline network 4" - 10"	9 km
2003	Saar Ferngas AG	Germany	Gas pipeline network 4" - 20"	28 km
2003	Thüringer Fernwasserversorgung	Germany	Water pipelines 24", 32", 48"	109 km
2003	Wintershall AG	Libya	Oil pipelines 4" - 10"	22 km
2004	STATOIL	Germany	Gas pipeline 42"	56 km
2004	Gelsenwasser AG	Germany	Gas pipeline network 4" - 10"	62 km
2004	Dow Olefinverbund GmbH	Germany	Ethylene pipeline 12"	89 km
2004	GASCO Gasversorgung Sachsen Ost AG	Germany	Gas pipeline 10"	12 km

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Year	Customer	Country	Project	Pipeline length
2004	RWE Energy	Germany	Gas pipeline 20"	4 km
2004	GNPOC Greater Nile Petroleum Operating Company	Sudan	Oil pipeline 28"	80 km
2004	STATOIL	Germany	Gas pipeline 40"	54 km
2004	STATOIL	France	Gas pipeline 42"	6 km
2004	Gelsenwasser AG	Germany	Gas- and water pipelines	95 km
2004	Saar Ferngas AG	Germany	Gas pipeline network 4" - 20"	40 km
2007	Eni Gas B.V.	Libya	Whafa - Melitha Gas pipeline 16" Oil pipeline 32"	30 km 30 km
2008	AGOCO Arabian Gulf Oil Company	Libya	Hamada-Azawia 18" Shipping pipeline	51 km
2008	PDOC Petrodar Operating Company	Sudan	Downstream Oil pipeline 32"	50 km
2009	PDOC Petrodar Operating Company	Sudan	Upstream Oil pipelines	50 km
2009	NWKG Nord-West Kavernengesellschaft	Germany	Oil- and saltwater pipelines 8" - 44"	18 km
2009	Eon Ruhrgas	Germany	Gas pipeline	360 km
2010	Eon Ruhrgas	Germany	Gas pipeline	400 km
2010	STATOIL	Germany	Gas pipeline	32 km
2011	STATOIL	Germany	Gas pipeline	48 km
2012	STATOIL	Germany	Gas pipeline	30 km
2012	AGOCO Arabian Gulf Oil Company	Libya	Messla Field Pipeline system	30 km
2013	STATOIL	Norway	HD Gas pipelines Oil pipelines	50 km
2014	STATOIL	Norway	HD Gas pipelines Oil pipelines	43 km
2014	GASNOR	Norway	HD Gas pipeline	5 km
2014	NWKG Nord-West Kavernengesellschaft	Germany	Oil pipelines	26 km

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Year	Customer	Country	Project	Pipeline length
2014	TENNET	Germany	DoWin Project I - III	2 km
2014	Siemens	Germany Airport Frankfurt	Gas insulated Transmission lines 2 Systems 400 kV	6 km
2009 - 2014	Creos Deutschland GmbH	Germany	Gas high pressure pipeline systems	324 km
2015	NWKG Nord-West Kavernengesellschaft mbH	Germany	Oil, Water and Saltwater pipeline systems	24 km
2015	STATOIL	Belgium	HD Gas pipeline	6 km
2015	STATOIL	France	HD Gas pipeline	6 km
2015	STATOIL	Germany	HD Gas pipeline Oil and Condensate Pipelines	18 km
2016	STATOIL	Norway	HD Gas pipeline Oil and Condensate Pipelines	28 km
2017	Creos Deutschland GmbH	Germany	HD Gas pipeline	29 km
2017	NWKG Nord-West Kavernengesellschaft mbH	Germany	Oil, Water and Saltwater pipeline systems	31 km
2018	Creos Deutschland GmbH	Germany	HD Gas pipeline	70 km
2018	equinor	Norway	HD Gas pipeline Oil and Condensate Pipelines	32 km
2019	equinor	Norway	HD Gas pipeline Oil and Condensate Pipelines	12 km
2019	Lyse Neo AS	Norway	HD Gas pipeline	7 km
2019	Creos Deutschland GmbH	Germany	HD Gas pipeline	98 km
2020	Creos Deutschland GmbH	Germany	HD Gas pipeline	124 km
2020	NWKG Nord-West Kavernengesellschaft mbH	Germany	Oil, Water and Saltwater pipeline systems	23 km
2020	equinor	Norway	HD Gas pipeline Oil and Condensate Pipelines	25 km