

# German Cathodic Protection



## REFERENCE LIST

### Cathodic Corrosion Protection

#### PIPELINES



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## PIPELINES

## Cathodic Protection

Year	Customer	Country	Project	Activities
1967	Ruhrgas AG	Germany	RMR Oil pipeline 20" 360 km	<ul style="list-style-type: none"> <li>• Construction</li> </ul>
since 1967	Gelsenwasser	Germany	Water pipelines 20" - 48" 410 km	<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>
since 1968	Veba Chemie	Germany	Gas pipeline network 8" - 12" 20 km	<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>
since 1968	Stadtwerke Solingen	Germany	Gas pipeline network 10" - 12" 145 km	<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>
1968	Ministère de l' Energie	Senegal	Water pipeline 42" 220 km	<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>
since 1969	Stadtwerke Solingen	Germany	Water pipeline network 32" 34 km	<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>
1970	German Construction Authority	Germany	Oil pipeline 18" 120 km	<ul style="list-style-type: none"> <li>• Construction</li> </ul>
1970	Adam Opel AG	Germany	Water pipeline network 12" 35 km	<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>
1972	Nord-West Oelleitung GmbH	Germany	NWO Oil pipeline 28" 340 km	<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>
1973	Esso AG	Germany	Oil pipeline 32" 10 km	<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>
1974	German Construction Authority	Germany	Gas pipeline 8" 70 km	<ul style="list-style-type: none"> <li>• Material supply</li> <li>• Construction</li> </ul>
1974	S.O.C. South Oil Company	Iraq Basrah	Oil pipeline 48" 140 km	<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>
1974	S.O.C. South Oil Company	Iraq Basrah	Gas pipeline 18" 130 km	<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>
since 1975	Stadtwerke Lippstadt	Germany	Gas pipeline network 8" - 12" 65 km	<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>

## PIPELINES

## Cathodic Protection

Year	Customer	Country	Project	Activities
since 1975	NWKG Nord-West Kavernengesellschaft	Germany	Oil pipelines Saltwater pipelines 8" - 44" 180 km	<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>
1976	NOC North Oil Company	Iraq Kirkuk	Oil pipeline 40" 370 km	<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>
1976	NOC North Oil Company	Iraq Kirkuk	Oil pipeline 12" 230 km	<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>
1977	NOC North Oil Company	Iraq Kirkuk	Oil pipeline 18" 290 km	<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>
1978	State Organization for Minerals	Iraq Akashat	Water pipeline 20" 180 km	<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>
1978	NIIGATA Co. Ltd. Tokyo	Iraq Burzugan	Oil pipeline 4" - 12" 160 km	<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>
1978	Preussag AG Hannover	Iraq Dujailah	Water pipeline 10" - 45" 55 km	<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>
since 1979	Aabach Talsperrenverband	Germany	Water pipeline 32" 42 km	<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>
since 1980	Gelsenwasser AG	Germany	Gas pipeline network 4" - 12" 210 km	<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>
since 1980	Dortmunder Stadtwerke AG	Germany	Gas pipeline network 4" - 12" 85 km	<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>
since 1980	Stadtwerke Herne AG	Germany	Gas pipeline network 4" - 12" 40 km	<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>
since 1980	Stadtwerke Hamm AG	Germany	Gas pipeline network 4" - 12" 50 km	<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>
since 1980	Stadtwerke Hamm AG	Germany	Water pipeline 28" 18 km	<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>

## PIPELINES

## Cathodic Protection

Year	Customer	Country	Project	Activities
since 1980	Emscher- genossenschaft	Germany	Water pipeline 20" - 48" 40 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>
1980	Deutsche Solvay GmbH	Germany	Saltwater pipeline 20" 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>
1980	Stadt Meerbusch	Germany	Water pipeline 20" - 48" 40 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>
1980	Mannesmann Anlagenbau AG	Libya Es Syder	Oil pipeline 40" 2 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>
1980	Stadt Viersen	Germany	Water pipeline 20" - 48" 1 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>
1981	Siemens AG	Marocco	Water pipeline 20" 4 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>
since 1982	Niederrheinische Gas- und Wasserwerke	Germany	Water pipeline network Gas pipeline network 10" - 40" 80 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	Public Power Corporation	Saudi Arabia Al Khobar	Water pipeline 32" 42 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	Kraftwerk Union AG	Germany	Water pipeline 40" 2 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> </ul>
1982	Mannesmann Anlagenbau AG	Greece	Water pipeline 40" 2 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	Deutsche Schachtbau und Tiefbohrgesellschaft	Saudi Arabia Al Jubail	Water pipeline 4" - 44" 14 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>
since 1982	Stadtwerke Essen AG	Germany	Water pipeline network Gas pipeline network 10" - 16" 110 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>
1983	RWE Energie AG	Germany	Water pipeline 32" 40 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>

## PIPELINES

## Cathodic Protection

Year	Customer	Country	Project	Activities
1983	Union of Water Supply	Greece Preveza	Water pipeline 16" - 32" 65 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>
1983 1985	SOC Sirte Oil Company	Libya	Gas pipeline 12" - 34" 120 km Misurata – El Khoms	<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	Mannesmann Anlagenbau AG	Libya	Gas pipeline 20" 42 km Messla - Sarir	<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	AFCONS	India Vizag	Oil pipeline 12" 8 km	<ul style="list-style-type: none"> <li>• Engineering</li> </ul>
1984	Municipality of Zakynthos	Greece	Water pipeline 6" - 20" 25 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>
1985	EBISCO	Libya Misurata	Water pipeline network Gas pipeline network 2" - 60"	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> </ul>
1985	Stadtwerke Hürth	Germany	Heating pipeline 16" 18 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>
1985	Air Products GmbH	Germany	Oxygen pipeline 6" 1 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>
1985	AGOCO Arabian Gulf Oil Company	Libya Tobruk	Oil pipeline network 40" 95 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> </ul>
1985	Stadtwerke Zug	Switzerland	Water pipeline 30" 3 km	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> </ul>
1986	Deutsche Babcock AG	Egypt Alexandria	Water pipeline 6" - 10" 40 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> </ul>
1986 1989	AGOCO Arabian Gulf Oil Company	Libya, Sarir, Nafoora, Hamada	Oil pipeline 40" 95 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> </ul>
1987	Deutsche Gasrußwerke	Germany	Oxygen pipeline 6" 1 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>

## PIPELINES

## Cathodic Protection

Year	Customer	Country	Project	Activities
1987	VOESTALPINE	Libya Misurata	Water pipeline network 6" - 40"	<ul style="list-style-type: none"> <li>• Construction</li> <li>• Commissioning</li> <li>• Maintenance</li> </ul>
1987	AEG	Bolivia	Water pipeline 6" - 10" 3 km	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Construction</li> <li>• Commissioning</li> </ul>
since 1988	Saar Ferngas AG	Germany	Gas pipeline 4" - 20" 15 km	<ul style="list-style-type: none"> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> </ul>
since 1988	Stadtwerke Bonn	Germany	Water pipeline network Gas pipeline network 2" - 20" 65 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>
1988	Fluor Daniel GmbH	Germany	Gas pipeline 42" 66 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> </ul>
1988	SOC Sirte Oil Company	Libya Sahl	Gas pipeline 6" - 20" 120 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> </ul>
since 1989	Stadtwerke Ahlen	Germany	Gas pipeline network 2" - 16" 16 km	<ul style="list-style-type: none"> <li>• Maintenance</li> </ul>
1982	Public Power Corporation	Saudi Arabia Al Khobar	Water pipeline 32" 42 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>
1989	RASCO	Libya Ras Lanuf	Oil pipeline 12" 2 km	<ul style="list-style-type: none"> <li>• Construction</li> <li>• Commissioning</li> <li>• Maintenance</li> </ul>
1990	Karstadt AG	Germany	Gas pipeline 2" - 16" 2 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>
1990	RAG Ruhrkohle AG	Germany	Gas pipeline network	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> <li>• Maintenance</li> </ul>
1990	NOC North Oil Company	Iraq	Oil pipeline network Gas pipeline network 8" - 30" 260 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> </ul>
1990	Countinho Caro	Abu Dhabi	Product pipeline 32" 40 km	<ul style="list-style-type: none"> <li>• Material supply</li> <li>• Construction</li> <li>• Maintenance</li> </ul>

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## Cathodic Protection

Year	Customer	Country	Project	Activities
since 1991	RHENAG Rheinische Energie AG	Germany	Gas pipeline network 2" - 12" 16 km	<ul style="list-style-type: none"> <li>• Maintenance</li> </ul>
since 1991	Stadtwerke Fröndenberg	Germany	Gas pipeline network 2" - 16" 14 km	<ul style="list-style-type: none"> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> </ul>
1991	VSE AG	Germany	Cooling water pipeline 80" 0.6 km	<ul style="list-style-type: none"> <li>• Commissioning</li> </ul>
1991	STATOIL	Germany	Gas pipeline 2" - 42" 76 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul>
1991	Dorsch Consult	Germany	STEGAL Gas pipeline 32" 316 km	<ul style="list-style-type: none"> <li>• Engineering</li> </ul>
1991	Dorsch Consult	Germany	EUROPIPE I Gas pipeline 40" - 42" 52 km	<ul style="list-style-type: none"> <li>• Engineering</li> </ul>
1991 1993	WINGAS GmbH	Germany	MIDAL Gas pipeline 32" - 40" 316 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul>
1991	AGOCO Arabian Gulf Oil Company	Libya Nafoora	Gas pipeline 6" - 20" 60 km	<ul style="list-style-type: none"> <li>• Commissioning</li> </ul>
1991 1994	TAZAMA PIPELINES LTD	Tanzania Zambia	Oil pipeline 8" - 12" 1700 km	<ul style="list-style-type: none"> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> </ul>
1992	AGOCO Arabian Gulf Oil Company	Libya Sahabi	Oil pipeline network Rehabilitation	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul>
1993	Teerbau GmbH	Germany	RHG Gas pipeline 32" - 36" 120 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul>
1993	Südrohrbau	Germany	EUROPIPE I Gas pipeline 40" - 42" 63 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul>
1993	MAJUKO	Libya Benghazi	Fire fighting Popeline network 8 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul>

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## Cathodic Protection

Year	Customer	Country	Project	Activities
since 1994	Thyssengas AG	Germany	Gas pipeline network 140 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> </ul>
since 1994	Stadtwerke Pirmasens	Germany	Gas pipeline network 8 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Commissioning</li> </ul>
1994	Budapest Gaswerke AG	Hungaria	Gas pipeline network	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> </ul>
1996 1999	BSL Olefinverbund GmbH	Germany	Product pipeline 6" - 16" 674 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> </ul>
1997 1999	BSL Olefinverbund GmbH	Germany	Ethylene pipeline 10" 123 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> </ul>
1997	SOC Sirte Oil Company	Libya Zuetina Benghazi	Gas pipeline 8" - 34" 125 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Commissioning</li> </ul>
1997	Mannesmann Demag AG	Turkmenistan	Oil pipeline Water pipeline 4" - 8" 40 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Commissioning</li> </ul>
1998	STATOIL	Germany	EUROPIPE II Gas pipeline 40" 6 km	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> </ul>
1998 1999	SOC Sirte Oil Company	Libya Zuetina Benghazi	Gas pipeline 12" - 34" 176 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Commissioning</li> </ul>
1998	ROMGAZ-R.A.	Romania	Gas pipeline 28" 40 km	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> <li>• Commissioning</li> </ul>
1998	CPECC China	Sudan	Oil pipeline 28" 1560 km	<ul style="list-style-type: none"> <li>• Material supply</li> <li>• Commissioning</li> </ul>
1999	BVV Chemie GmbH	Germany	Salt water pipeline 16" 48 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>
1999	Wintershall AG	Libya Jakhira	Oil pipeline 8" - 10" 14 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> </ul>

## PIPELINES

## Cathodic Protection

Year	Customer	Country	Project	Activities
2000 2001	SOC Sirte Oil Company ZANGAS Greece	Libya	Gas pipeline El Khoms - Tripoli	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> <li>• Commissioning</li> </ul>
2002	OFFSET GROUPS Technip, Germany	UAE	Water pipeline 2 x 64" 180 km 2 x 24" 18 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>
2002	SONATRACH STG International	Algeria	Oil pipeline 34" 403 km	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2002 2004	MUNAITAS STG International	Kazakhstan	Oil pipeline 24" 448 km	<ul style="list-style-type: none"> <li>• Material supply</li> <li>• Commissioning</li> </ul>
2002 2004	Uhde GmbH QAFCO	Qatar	Gas pipeline 3" - 16"	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> <li>• Commissioning</li> </ul>
2003	CPPMEC AGIP Libya	Libya	Gas pipeline Condensate pipeline 32" and 16" 2 x 556 km	<ul style="list-style-type: none"> <li>• Material supply</li> <li>• Supervision</li> <li>• Commissioning</li> </ul>
2003	Wintershall AG	Libya	Oil pipeline Nakhlar - Jakhira 12" 45 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Commissioning</li> </ul>
2003	CPPMEC Petrodar Operating Co.	Sudan	Export pipeline Fula oilfield 12" 520 km	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2004	Wintershall AG	Libya	Oil pipelines Nakhlar II Extension 6" - 16" 15 km	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> <li>• Commissioning</li> </ul>
2004	Beltransgas	Belarus	Gas transit pipeline Remote monitoring and control system	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> <li>• Commissioning</li> </ul>
2004	Bilfinger Berger AG Shell Nigeria	Nigeria	ODIDI Gas pipeline 16" 30 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> </ul>
2004	CPPMEC Petrodar Operating Co.	Sudan	Oil pipeline Melut basin 32" 298 km	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2006 2007	Stroytransgas Russia	Algeria	Gas pipeline 53 km Komotini – Alexandroupolis	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> </ul>

## PIPELINES

## Cathodic Protection

Year	Customer	Country	Project	Activities	
2006	IMPAC Offshore Engineering GmbH Germany	Nigeria	Shell Oil trunkline system 300 km	<ul style="list-style-type: none"> <li>• Engineering</li> </ul>	
2006	Stroytransgas Russia	Syria	Arab Gas pipeline 36" 319 km	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Calculation of HV-Interference</li> </ul>	
2006 2007	Stroyelectro Avtomatika EICC, Russia	Algeria	GK-1 Ouled-Djella-Skikda 40" 145 km	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>	
2006 2009	STATOILHydro Norway	Norway	Gas pipeline network Oil pipeline network	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Material supply</li> <li>• Construction</li> </ul>	
2006	Sogepi Italy	Libya	West Mabruk field CPTL Upgrading	<ul style="list-style-type: none"> <li>• Engineering</li> <li>• Material supply</li> </ul>	
2008	Caspian Gas Corporation Kazakhstan	Kazakhstan	Pipeline network	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>	
2008	STATOILHydro Norway	Norway	EVM Gas pipeline Kollness- Mongstad 12" 3 km	<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>
2008	ZAMAN-QUANTOR	Kazakhstan	Oil pipeline Kenkiyak-Kumkol 761 km	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>	
2008	Stroytransgas Russia	Algeria	Gas pipeline 40"	<ul style="list-style-type: none"> <li>• Material supply</li> <li>• Commissioning</li> <li>• Training</li> </ul>	
2008 2009	Asia Gas Pipeline LLP Kazakhstan	Kazakhstan	Gas Pipeline Kazakhstan-China 1304 km, 32"	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>	
2009	Kazakhstan-China Pipeline LLP	Kazakhstan	Oil pipeline 32" Kenkiyak-Kumkol 794 km	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>	
2009	CPPE	China	Gas pipeline Kazakhstan-China 650 km	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>	
2009	ZAMAN-QUANTOR	Kazakhstan	Gas pipeline Kazakhstan-China 641 km	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>	

## PIPELINES

## Cathodic Protection

Year	Customer	Country	Project	Activities
2009	KKS Kaz Story Service	Kazakhstan	Gas pipeline Kazakhstan-China 641 km	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2010	PDOC Sudan	Sudan	Downstream pipeline Upgrading 1373 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> <li>• Training</li> </ul>
2010	NRUOTC	Belarus	Oil pipeline DRUZHBA	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2010	NPF AVEC Russia	Russia	GAZPROM Pipeline network	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2011	Kazakhstan-China Pipeline LLP	Kazakhstan	Oil Pipeline 180 km Kazakhstan-China Atasu-Alashankou	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Material supply</li> </ul>
2012	Kazakhstan-China Pipeline LLP	Kazakhstan	Oil Pipeline 120 km Kazakhstan-China Atasu-Alashankou	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Material supply</li> </ul>
2012 2014	Ferrostaal GmbH	Algeria	Naftal Multti product pipeline 140 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Commissioning</li> <li>• Training</li> </ul>
2012	Beineu- Shymkent gas pipeline LLP	Kazakhstan	Gas pipeline Beineu-Bozoy-Shymkent 1475 km	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2012	SCOP State Company for Oil Projects	Iraq	Product pipeline	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2012	Al-Mansour State Company	Iraq	8 Solar power stations 24 V – 40 A for pipeline systems	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2012	S.O.C. South Oil Company	Iraq	1000 Magnetite anodes 500 Magnetite anode chains 2500 Anti vandalism test points	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2013	Wintershall	Libya	Oil pipeline 37 km Nafoora - Amal	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Commissioning</li> <li>• Training</li> </ul>
2013	JSC OGCC KazStroyService	Kazakhstan	AGP-3 Line	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2013	Oman Gas Company S.A.O.C.	Oman	Gas pipeline	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2013 2015	SCOP State Company for Oil Projects	Iraq	Strategic pipeline Rehabilitation Phase 1 / 0-324 km	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Construction</li> <li>• Commissioning</li> <li>• Training</li> </ul>

## PIPELINES

## Cathodic Protection

2013	SCOP	Iraq	Strategic pipeline	• Survey	• Construction
2015	State Company for Oil Projects		Rehabilitation Phase 2 / 324 km – K3	• Engineering • Material supply	• Commissioning • Training
2014	Bayernnets GmbH	Germany	120 AC Voltage Limiter for induced pipeline systems	• Material supply	
2011	GNPCO	Sudan	1560 km	• Survey	• Construction
2015	Greater Nile Petroleum Operating Company		HIGLEIG-Port Sudan pipeline Remote monitoring systems	• Engineering • Material supply	• Commissioning • Training
2014	SCOP State Company for Oil Projects	Iraq	16" EXL-5 Pipe Line Ahdeb Field to Al-Zubayda Power Station	• Material supply	
2014	SCOP State Company for Oil Projects	Iraq	NINEWA Dry gas pipeline	• Material supply	
2014	SCOP State Company for Oil Projects	Iraq	48" crude oil pipeline 130 km Al-Zubair2 to Al-Fao depot	• Material supply	
2014	SCOP State Company for Oil Projects	Iraq	48" crude oil pipeline PS1 to Al-Fao depot	• Material supply	
2014	INTER EQUIPMENT CO LTD	Sudan	Replace CP system at strategic pipeline	• Material supply	
2014	RHEINMETALL	Algeria	CP System for project NAFTAL 8" and 12" Oil Pipelines	• Design • Engineering • Material supply	
2014	PETROGAS Company	Turkmenistan	CP-System for compressor Station Bagtyjarlyk-2, Turkmengas	• Design • Engineering • Material supply	
2015	Zaman Quantor	Kazakhstan	CP-System for Pipeline AGP, Kazakhstan	• Engineering • Material supply	
2015	SGSM-OIL&GAS SERVICE	Macedonia	20" Gas Pipeline "KLECOVCY TO KAVADARCI"	• Design • Engineering • Material supply	
2015	Alliance EnergyProm	Kazakhstan	CP-System for Oil pipeline Kenkiyak-Kumkol, Kazakhstan	• Design • Material supply	
2016	RHEINMETALL	Algeria	CP System for project NAFTAL 8" and 12" Oil Pipelines	• Commissioning	
2017	Goldmoon Mmc	Azerbaijan	Pipeline System of SOCAR, Azerbaijan	• Design • Material supply	
2018	Zaman Quantor	Kazakhstan	CP-System for Oil pipeline Kenkiyak-Atyrau, Kazakhstan	• Design • Material supply	

## PIPELINES

## Cathodic Protection

Year	Customer	Country	Project	Activities
2019	Wintershall AG	Libya	Oil Pipelines	<ul style="list-style-type: none"> <li>• Material supply</li> <li>• Commissioning</li> </ul>
2019	Zaman Quantor	Kazakhstan	CP-System for Oil pipeline Kenkiyak-Atyrau, Kazakhstan	<ul style="list-style-type: none"> <li>• Material supply</li> <li>• RMCS-update</li> </ul>
2019	SKYLINES	Saudi Arabia	Sabic plant Pipeline network	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2019	CHEMSERVICE CJSC	Russia	Transneft Pipeline network	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2020	Impuls Co.	Kazakhstan	Pipeline network	<ul style="list-style-type: none"> <li>• Material supply</li> </ul>
2021	Wazen Oil Services	Libya	Akakus Oil Operations Replacement Trunkline	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Supervision</li> <li>• Commissioning</li> </ul>
2021	Equinor ASA	Norway	YM Haugaland Groundbed Construction	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Commissioning</li> </ul>
2021	Equinor ASA	Norway	MGR Pipeline Kaströ AC-Limiter	<ul style="list-style-type: none"> <li>• Survey</li> <li>• Engineering</li> <li>• Material supply</li> <li>• Commissioning</li> </ul>
2021	Dortmunder Netz GmbH	Germany	Pipeline network	<ul style="list-style-type: none"> <li>• Measurements</li> </ul>
2022	Equinor ASA	Norway	Haugaland	<ul style="list-style-type: none"> <li>• Measurements</li> </ul>
2022	Dortmunder Netz GmbH	Germany	Pipeline network	<ul style="list-style-type: none"> <li>• Measurements</li> </ul>
2024	Endeco S.p.A AGOCO	Libya	Temporary CP of 34" M.O.L. Pipeline 100 km	<ul style="list-style-type: none"> <li>• Site survey</li> <li>• Engineering</li> <li>• Material supply</li> </ul>