



German Cathodic Protection

REFERENCE LIST

**Cathodic Corrosion Protection
of
OFFSHORE STRUCTURES**





OFFSHORE STRUCTURES

Cathodic Protection

Year	Customer	Country	Project	Activities
1973	Nord-West Kavernengesellschaft	Germany	Seawater pumping station Brine pipelines	<ul style="list-style-type: none"> • Engineering • Material supply • Construction • Commissioning • Maintenance
1974	NWO Nord-West Ölleitung GmbH	Germany	Marine facilities (1 Jetty) 670 Piles, 20" – 30" Total surface: 39 000 m ²	<ul style="list-style-type: none"> • Material supply • Construction • Commissioning • Maintenance
1974	Mobil Oil AG	Germany	Marine facilities (2 Jetties) 410 Piles, 40" Total surface: 42 000 m ²	<ul style="list-style-type: none"> • Material supply • Construction • Commissioning • Maintenance
1975	Wasser- und Schiffahrtsamt Wilhelmshaven	Germany	Marine facilities (1 Jetty) 620 Piles, 30" Total surface: 50 000 m ²	<ul style="list-style-type: none"> • Engineering
1975	IVG Logistik GmbH	Germany	Seawater pumping station Wilhelmshaven	<ul style="list-style-type: none"> • Engineering • Material supply • Construction • Commissioning • Maintenance
1979	C.A. La Electricidad de Caracas	Venezuela	Harbour and cooling water channels, 450 m sheet piles Total surface: 23 000m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction • Commissioning • Maintenance
1979	Siemens AG	Indonesia Kota Baja	Power plant, Offshore facilities for cooling water	<ul style="list-style-type: none"> • Engineering • Material supply • Construction • Commissioning • Maintenance
1979	Wasser- und Schiffahrtsamt Wilhelmshaven	Germany	Marine facilities (1 Jetty) 420 Piles, 40" Total surface: 40 000 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction • Commissioning • Maintenance
1980	Siemens AG	Kuwait	PIC-bridge 82 Piles, 36" Total surface: 3 000 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Commissioning
1981	Mannesmann Anlagenbau AG	Saudi Arabia	Yanbu offshore facilities Total surface: 42 000 m ²	<ul style="list-style-type: none"> • Engineering
1981	Wasser- und Schiffahrtsamt Rheine	Germany	Sluice Gleesen/Bewergern Total surface: 1 500 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction • Commissioning • Maintenance
1981	Mannesmann Anlagenbau AG	Greece Pahi Bay	Jetty Piles and sheet piles Total surface: 8 000 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction • Commissioning • Maintenance
1982	C.E.P.A. San Salvador	El Salvador Acajutla	Harbour - sheet piles Total surface: 27 000 m ²	<ul style="list-style-type: none"> • Maintenance



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1983	Niedersächsisches Hafenamt Cuxhaven	Germany	Harbour: Fährhafen Piles and sheet piles Total surface: 60 000 m ²	<ul style="list-style-type: none"> • Material supply • Construction • Commissioning <ul style="list-style-type: none"> • Maintenance
1983	Niedersächsisches Hafenamt Cuxhaven	Germany	Harbour: Alte Liebe Piles and sheet piles Total surface: 40 000 m ²	<ul style="list-style-type: none"> • Material supply • Construction • Commissioning <ul style="list-style-type: none"> • Maintenance
1984	DBE mbH Peine	Germany	Water treatment plant Sheet piles Total surface: 900 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction <ul style="list-style-type: none"> • Commissioning • Maintenance
1984	Niedersächsisches Hafenamt Cuxhaven	Germany	Sluice gates Total surface: 700 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction <ul style="list-style-type: none"> • Commissioning • Maintenance
1986	Niedersächsisches Hafenamt Cuxhaven	Germany	North West Jetty Sheet piles Total surface: 2 500 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction <ul style="list-style-type: none"> • Commissioning
1986	Niedersächsisches Hafenamt Brake	Germany	North Jetty Piles Total surface: 11 000 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction <ul style="list-style-type: none"> • Commissioning
1987	Niedersächsisches Hafenamt Brake	Germany	Seawater junction channels, Sheet piles Total surface: 850 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction <ul style="list-style-type: none"> • Commissioning
1989	Gemeinde Maasholm	Germany	Yacht harbour Quay wall Total surface: 2 100 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction <ul style="list-style-type: none"> • Commissioning • Maintenance
1990	Stadt Kiel	Germany	Harbour: Düstenbrook Quay wall Total surface: 6 100 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction <ul style="list-style-type: none"> • Commissioning • Maintenance
1990	Hafenamt Bremerhaven	Germany	Tide sluice Total surface: 850 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction <ul style="list-style-type: none"> • Commissioning • Maintenance
1990	Hafenamt Bremerhaven	Germany	Harbour: Kaiser 2 Jetties Total surface: 140 000 m ²	<ul style="list-style-type: none"> • Maintenance
1990	RRI Dortmund	El Salvador Acajutla	Harbour - sheet piles Rehabilitation work Total surface: 27 000 m ²	<ul style="list-style-type: none"> • Engineering
1991	Hansestadt Wismar	Germany	Old harbour, Jetty: Zollhaus Sheet piles Total surface: 400 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction <ul style="list-style-type: none"> • Commissioning • Maintenance



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1991	BETA-Raffinerie Wilhelmshaven	Germany	Jetty, 410 piles 40" Rehabilitation work Total surface: 42 000 m ²	<ul style="list-style-type: none"> • Material supply • Construction • Commissioning <ul style="list-style-type: none"> • Maintenance
1994	Phillip Holzmann AG	Germany	Ship yard, Warnemünde Sheet piles Total surface: 3 000 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction <ul style="list-style-type: none"> • Commissioning
1994	Wasser- und Schiffahrtsamt Herne	Germany	Sluice: Münster Total surface: 6 700 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction <ul style="list-style-type: none"> • Commissioning
1994	Wasser- und Schiffahrtsamt Lübeck	Germany Eckernförde	Marine harbour Eastpier Total surface: 12 000 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction <ul style="list-style-type: none"> • Commissioning • Maintenance
1994	Wasser- und Schiffahrtsamt Herne	Germany	Sluice: Rheine Total surface: 8 400 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction <ul style="list-style-type: none"> • Commissioning
1995	Phillip Holzmann AG	Germany Bremerhaven	Container Terminal CT3 Sheet piles Total surface: 36 000 m ²	<ul style="list-style-type: none"> • Engineering
1996	Niedersächsisches Hafenamt Cuxhaven	Germany	Jetty: Norwegen Sheet piles Total surface: 7 800 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction <ul style="list-style-type: none"> • Commissioning • Maintenance
1995	C.E.P.A.	El Salvador	Harbour - sheet piles	<ul style="list-style-type: none"> • Engineering <ul style="list-style-type: none"> • Commissioning
1996	San Salvador	Acajutla	Total surface: 27 000 m ²	<ul style="list-style-type: none"> • Material supply • Construction
1996	Niedersächsisches Hafenamt Cuxhaven	Germany	Harbour: Steubenhöft Piles and sheetpiles Total surface: 18 000 m ²	<ul style="list-style-type: none"> • Engineering
1996	Preussag AG	Germany	Harbour: Ostufer Kiel Piles and sheetpiles Total surface: 2 200 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction <ul style="list-style-type: none"> • Commissioning
1996	Wasser- und Schiffahrtsamt Lübeck	Germany Eckernförde	Marine harbour Westpier and Middlepier Total surface: 10 500 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction <ul style="list-style-type: none"> • Commissioning • Maintenance
1996	Bilfinger + Berger AG	Nigeria	Jetty: Bonny Island Piles Total surface: 40 000 m ²	<ul style="list-style-type: none"> • Engineering • Material supply
1997	Phillip Holzmann AG	Germany	Container Terminal CT3	<ul style="list-style-type: none"> • Engineering <ul style="list-style-type: none"> • Commissioning
1998		Bremerhaven	Sheet piles Total surface: 36 000 m ²	<ul style="list-style-type: none"> • Material supply • Construction <ul style="list-style-type: none"> • Maintenance



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1998	Hansestadt Bremisches Hafenamts	Germany	Sluice: Fischereihafen Total surface: 800 m ²	<ul style="list-style-type: none"> • Engineering • Material supply
2000	Bilfinger + Berger AG	Nigeria	Jetty: Bonny Island 201 Piles Total surface: 28 000 m ²	<ul style="list-style-type: none"> • Engineering • Material supply
2002	Panama Ports Company S.A. Bilfinger + Berger AG	Panama	Port of Balboa, CTD Phase 1 Steel reinforcement inside 505 Concrete Piles	<ul style="list-style-type: none"> • Engineering • Material supply
2003	S.O.C. Southern Oil Company	Iraq	Albakr Terminal Rehabilitation 150 MMO anodes	<ul style="list-style-type: none"> • Material supply
2004	Hochtief AG	Germany Bremerhaven	Container Terminal CT3 A Sheet piles Total surface: 110 000 m ²	<ul style="list-style-type: none"> • Engineering • Material supply • Construction • Commissioning • Maintenance
2006 2008	Bremenports GmbH & Co. KG	Germany Bremerhaven	Container Terminal CT4 1681 m Sheet piles	<ul style="list-style-type: none"> • Engineering • Material supply • Construction • Commissioning • Maintenance
2007 2009	Bilfinger + Berger AG	Nigeria	Jetty: EGTL 228 Piles	<ul style="list-style-type: none"> • Engineering • Material supply
2008	Züblin AG	Germany	Monopile of Research platform	<ul style="list-style-type: none"> • Engineering • Material supply
2009	GNPOC Sudan	Sudan	Jetty: Marine Terminal Port Sudan	<ul style="list-style-type: none"> • Survey
2010	H, Young Kenya	Kenya	Mombas Harbour	<ul style="list-style-type: none"> • Material supply
2010	Panama Ports Company S.A.	Panama	Port of Balboa	<ul style="list-style-type: none"> • Survey • Trouble shooting
2011	AS Elektrizsentrum	Estland	Port of Tallin	<ul style="list-style-type: none"> • Material supply
2008 2012	Bremenports GmbH & Co. KG	Germany Wilhelmshaven	JadeWeserPort 285 Magnetite Anodes	<ul style="list-style-type: none"> • Material supply
2012	Panama Ports Company S.A.	Panama	Port of Balboa	<ul style="list-style-type: none"> • Survey • Trouble shooting
2012	Mabruk Oil Operations	Libya	CP-System Platform BD1 And FPSO	<ul style="list-style-type: none"> • Inspection



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2012	BAUER	Scotland	EMEC Test site	• Engineering
2012	Julius Berger International	Nigeria	Warri Port	• Engineering
2012	IG HKS Ingenieurgesellschaft	Germany	Hadelner Kanalschleuse	• Engineering
2013	Bremenports GmbH & Co. KG	Germany	JadeWeserPorts 230 Magnetite Anodes	• Material supply
2013	Mabruk Oil Operations	Libya	CP-System Platform BD1 And FPSO	• Inspection
2014	Panama Ports Company S.A.	Panama	Port of Balboa	• Survey • Trouble shooting
2014	Nordic Yards Warnemünde GmbH	Germany	Nordic Yards 3 Magnetite anode chains	• Material supply
2014	Mabruk Oil Operations	Libya	CP-System Platform BD1 And FPSO	• Inspection