



Offshore Platform Projects

CeRam-Kote 54®, CeRam-Kote 54 SST and CeRam-Kote 2000 are used offshore as shown in the following selected projects:

| Customer | Project | Location |
|---------------------------|---|-------------------|
| Norcen Explorer | 10-12 platforms | Gulf of Mexico |
| Walter Oil and Gas | 6 new platforms and all maintenance painting | Gulf of Mexico |
| Conoco | Platform heliports, boat landings, structure legs and decks | Gulf of Mexico |
| American Exploration | High Island Block 13 Platform | Gulf of Mexico |
| Kerr-McGee | Boat landing and stairways for platforms | Gulf of Mexico |
| Coastal Oil and Gas | West Cameron 504 Platform | Gulf of Mexico |
| Coastal Oil and Gas | East Cameron 189 Platform | Gulf of Mexico |
| Petsec Energy | Ship Shoal Block 193 Platform | Gulf of Mexico |
| Petsec Energy | Ship Shoal Block 194 Platform | Gulf of Mexico |
| King Ranch Oil and Gas | Platform jacket and riser piping | Gulf of Mexico |
| IP Petroleum | Production skids on offshore platforms built by Hanover | Gulf of Mexico |
| Hanover-Maintech | Offshore compressor skids | Gulf of Mexico |
| Pennzoil | Boat landings, well heads, decks and engine blocks | Gulf of Mexico |
| Enron Oil and Gas | Platform jacket | Gulf of Mexico |
| Coastal Oil and Gas | 8-pile production platform | Main Pass 198 "A" |
| Coastal Oil and Gas | 4-pile production platform | West Cam 504 "B" |
| Forcenergy | 4-pile production platform | West Cam A551 "C" |
| Ocean Energy | Boat landing and jacket | Main Pass 69 |
| Ambar | Concrete floor for shop | Cameron, LA |
| Hydril | Subsea drilling equipment | Houston, TX |
| Houston Exploration Co. | Small production platform | East Cam 185 #2 |
| Enron | 4-pile jackets for two platforms | South Louisiana |
| O.E.D.C. | Platform components | Mobil Bay |
| Aviara Energy | Offshore platforms maintenance | Gulf of Mexico |
| Walter Oil | Maintenance painting | Gulf of Mexico |
| American Exploration | 4-pile platform | East Cam 338 |
| O.E.D.C. | 4-pile platform | V.K. 105 |
| Kværner Oil & Gas/Statoil | Gulfaks A-C - hundreds of isolation spools in carbon steel, stainless steel and titanium for produced water - oil and gas | North Sea |

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|-----------------------------------|--|-----------|
| Kværner Oil & Gas/Statoil | Statfjord A - crude oil separator tanks and spools | North Sea |
| Kværner Oil & Gas/Statoil | Gullfaks A - manifolds for crude oil | North Sea |
| Kværner Oil & Gas/Statoil | Sleipner West - isolation spools for oily drain and different fluids | North Sea |
| Kværner Oil & Gas/Statoil | Veslefrikk - isolation spools inside diameter and outside diameter for water injection and crude oil | North Sea |
| Kværner Oil & Gas/Statoil | Gullfaks A - potable drinking water tanks | North Sea |
| Kværner Oil & Gas/Statoil | Gullfaks C - water injection system to pump ID | North Sea |
| Kværner Oil & Gas/Statoil | Kallstø - all maintenance | North Sea |
| Kværner Oil & Gas/Statoil | Asgard B - riser guide, bellmouths | North Sea |
| Statoil | Asgard B - thruster props | North Sea |
| Statoil | Mongstad - 36" tube for crude oil ID, pump housings | North Sea |
| Siemens/Statoil/Saga/Norsk Hydro | All Platforms - electric motors | North Sea |
| Hydro Saga Statoil | Njord Saga Vidis Statfjord - over 600 electrical and diesel engines from Siemens (Germany) | North Sea |
| Norsk Hydro | Njord B - 39 meters (128 feet) guide tubes (Risers) internal, riser bellmouths | North Sea |
| Norsk Hydro | Oseberg A-B-C - spare boom and burner boom | North Sea |
| Norsk Hydro | Oseberg A - heavy walls inside diameter risers | North Sea |
| Norsk Hydro | Oseberg A-B-C - total coating of different tanks - frames - inside legs in concrete, support piping, handrails, valves, equipment and structures, flanges, isolation spools I.D. | North Sea |
| Norsk Hydro | Oseberg F - heavy lift crane, mud tanks, flare derrick, total maintenance program | North Sea |
| Norsk Hydro | Mongstad - 12" heavy wall tube I.D. - crude oil | North Sea |
| Norsk Hydro | Brage - tubes and supports | North Sea |
| Norsk Hydro | Troll B and Brage - frames in steel between the concrete and different tanks and frames for platform | North Sea |
| Norsk Hydro | Troll B and Brage - (3) potable water tanks | North Sea |
| Norsk Hydro | Troll B - riser pipes | North Sea |
| Norsk Hydro | Troll B - concrete protection with CeRam-Grout GC and CeRam-Kote 54® | North Sea |
| Stolt Comex Seaway Norsk Hydro | Troll B - lifting equipment for J-tubes / riser guides | North Sea |
| Norsk Hydro | Oseberg A - separator tanks for crude oil (3), valves and tubes, fire equipment | North Sea |
| Norsk Hydro | Oseberg B - five solvent tanks for different fluid, electrostatic water separator | North Sea |
| Norsk Hydro | Oseberg B - lay down areas, container landing deck, pipe rack supports, cement tanks for drilling | North Sea |

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| Norsk Hydro | Oseberg B - lay down areas, container landing deck, pipe rack supports, cement tanks for drilling | North Sea |
| Dalseide & Fløysand / Umoe/ Norsk Hydro | Oseberg A & B - various tanks | North Sea |
| Dalseide & Fløysand / Umoe/ Norsk Hydro | Oseberg A - firewater equipment, high temperature pipes and special equipment | North Sea |
| Umoe / Norsk Hydro | Oseberg A - project for gas injection, 14" isolation spools I.D. Titanium | North Sea |
| Umoe / Norsk Hydro | Oseberg C - drill well C 08 - equipment, blind flanges | North Sea |
| Umoe / Norsk Hydro | Troll B - riser pipes | North Sea |
| Umoe / Norsk Hydro | Troll C - 4,000 m ² deck area on top of "PITT-CHAR" fire protection | North Sea |
| Umoe / Norsk Hydro | Troll C - inspection and control at Hyundai Heavy Industries | Ulsan South Korea |
| Hyundai Heavy Industry/ Umoe/ Norsk Hydro | Troll C - all fresh water tanks, potable water tanks / riser tubes and bellmouths | North Sea |
| Norsk Hydro Kvaerner Masa Yards | Njord FSU (crude oil storage supertanker) - all pipes in galvanized, stainless steel and carbon steel; doors, hatches, remaining equipment on ship deck, and deck areas | North Sea |
| Aker Verdal / NH | Njord A - riser tubes | North Sea |
| Aker Stord / Norsk Hydro | Troll A - riser tubes / bellmouths | North Sea |
| NOMACO/FMC/NH | Wellhead Equipment - X-MAS TREE | North Sea |
| AMEC/ELF | Heimdal 1 1/2" firewater system I.D. salt water | North Sea |
| ELF Petroleum - Norway | Heimdal - firewater system ID Titanium | North Sea |
| Frank Mohn A/S | 4-6" Mengoz measure V-cone O.D. | North Sea |
| Phillips (PPCON) | Ekkofisk Bravo - high pressure seaface of 4" HUB machined to specified tolerance | North Sea |
| Ashleys Industries Ltd. | Oseberg - production riser, external Norsk Hydro | North Sea |
| Ashleys Industries | Amec Mobile spools | North Sea |
| Amec Process & Energy | Mobil Beryl - separator vessel repair | North Sea |
| Talisman Energy UK Ltd. | O.D. coating of liners | North Sea |
| Aberdeen Blast Ltd. | BP and Mobil pipe spools | North Sea |
| KOG / Siemens | Laminaria / Corallina - all motors delivered by Siemens | North Sea |
| Oryx UK Energy | Ninian - knockout drum / separator | North Sea |
| Schoeller Bleckmann | Spiral stabilizer coating | North Sea |
| Amoco | Separator vessel lining | North Sea |
| Amoco | Montrose A - deck & escape route coating | North Sea |
| Cairn Energy Ltd. | Sussex - Separator vessel lining | North Sea |
| Rowan Drilling Ltd. | Thruster room | North Sea |
| Brown & Root | Terranova - thruster props | North Sea |
| Hydril UK Ltd. | BOP units | North Sea |
| Santa Fe Drilling | External marine riser joints | North Sea |

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|---|---|--------------------------------------|
| Consafe Ltd. | Mud slurrification tanks Procon | North Sea |
| Salamis | Total North Alwyn - Separator Vessel | North Sea |
| Salamis | BP Buchan - Separator Vessel | North Sea |
| Salamas | Montrose Alpha - Separator Vessel | North Sea |
| Salamis | Marathon - Separator Vessel | North Sea |
| Marathon | Marathon - Separator Vessel | North Sea |
| Abu Dhabi Oil Co. Ltd. (Japan) ADOC | 30" conductor casing O.D. | Arabian Gulf Offshore Abu Dhabi |
| Maersk Drilling Co. Qatar | 20" & 30" conductor casing O.D. | Arabian Gulf Offshore Qatar |
| Maersk Drilling Co. UAE | Shaffer BOP O.D. | Arabian Gulf Sigma Engineering |
| Occidental Drilling Co. Qatar | 20" conductor casing O.D. | Arabian Gulf Offshore Qatar |
| Internationale de Travaux et de Materiale (ITM) Dubai | Drilling barge deck | Arabian Gulf Offshore Sharjah UAE |
| Internationale de Travaux et de Materiale (ITM) Dubai | Sub-structure and mud tank system | Arabian Gulf Ajman UAE |
| Internationale de Travaux et de Materiale (ITM) Dubai | BOP, sub-sea O.D. coating | Arabian Gulf Sigma Engineering |
| Schlumberger Sedco Forex Dubai | Pulsation dampener I.D. coating - with CeRam-Grout GC | Arabian Gulf Offshore Dubai |
| Schlumberger Sedco Forex Dubai | Mud tank system internals (4 tanks) | Arabian Gulf Offshore Dubai |
| TOTAL ABK Abu Dhabi | Pump riser internal, air receiver internal | Arabian Gulf Sigma Engineering |
| Esso Production (M) Inc. | Generator skid | Offshore Terengganu |
| Petronas Carigali (Baram delta operations) | Internals of fine filter vessels | Baronia field offshore Miri Malaysia |
| Petronas Carigali (Peninsular Malaysia operations) | Internals and externals of 4" (10.16 cm) and 8" (20.32 cm) fire water columns | Offshore Terengganu Malaysia |
| Petronas Carigali | Internals of pump discharge heads | Offshore Terengganu |
| Esso Production (M) Inc. | 8" (20.32) fire water columns | Offshore Terengganu |
| Esso Production (M) Inc. | Caterpillar engine | Offshore Terengganu |
| Petronas Carigali P.M.O. operations | Internals and externals of 4" (10.16 cm) fire water columns | Offshore Terengganu |
| Petronas Carigali P.M.O. operations | Internals and externals of 8" (20.32 cm) fire water columns | Offshore Terengganu |
| Chiles Offshore, Inc. | Chiles Discovery—new build—mud pit, brine tanks, mud processing units | Singapore |

| Customer | Project | Location |
|--|---|------------------------------------|
| Diamond Offshore International | Ocean Rover (Jack-up)—new build— mud pit tanks and sea chest | Singapore |
| Diamond Offshore International | Ocean Baroness (Jack-up)—new build—sea chest, mud pit tanks | Singapore |
| Smedvig Asia Limited | T-3—mud pit tanks | Singapore |
| EnSCO Offshore International | EnSCO 50 (Jack-up) —mud pit and brine tanks, mud processing and cantilever units | Singapore |
| EnSCO Offshore International | EnSCO 52 (Jack-up)—mud pit and brine tanks, mud processing and cantilever units | Singapore |
| EnSCO Offshore International | EnSCO 104 (Jack-up)—new build—mud pit and brine tanks, mud processing and cantilever units | Singapore |
| Total Elf Fina | Matterhorn TLP— new build—moonpool drill wells | Singapore |
| EnSCO Offshore International | EnSCO 106 (Jack-up) —new build—mud pit and brine tanks, mud processing and cantilever units | Singapore |
| BP—France | Shah Deniz Export Platform—new build—mud pit and brine tanks | Singapore |
| EnSCO Offshore International | EnSCO 107 (Jack-up) —new build—mud pit and brine tanks, mud processing and cantilever units | Singapore |
| EnSCO Offshore International | EnSCO 56 (Jack-up) —mud pit and brine tanks, mud processing and cantilever units | Singapore |
| EnSCO Offshore International | EnSCO 67 (Jack-up) —mud pit and brine tanks, mud processing and cantilever units | Singapore |
| EnSCO Offshore International | EnSCO 108 (Jack-up) —mud pit and brine tanks, mud processing and cantilever units | Singapore |
| EnSCO Offshore International | EnSCO 8500 (Semi-Rig) —mud pit and brine tanks, mud processing and cantilever units | Singapore |
| EnSCO Offshore International | EnSCO 8501 (Semi-Rig) —mud pit and brine tanks, mud processing and cantilever units | Singapore |
| EnSCO Offshore International | EnSCO 8502 (Semi-Rig) —mud pit and brine tanks, mud processing and cantilever units | Singapore |
| EnSCO Offshore International | EnSCO 8503 (Semi-Rig) —mud pit and brine tanks, mud processing and cantilever units | Singapore |
| EnSCO Offshore International | EnSCO 8504 (Semi-Rig) —mud pit and brine tanks, mud processing and cantilever units | Singapore |
| EnSCO Offshore International | EnSCO 8505 (Semi-Rig) —mud pit and brine tanks, mud processing and cantilever units | Singapore |
| BJ Oilwell Services (MIRI Operations) | Coating external walls and structures of vessels | Miri, East Malaysia |
| BJ Oilwell Services (Cukai Operations) | To re-coat acid carbo-skid structures | Kemaman Supply Base, West Malaysia |
| Maersk Qatar Offshore Installation | Seawater intake pipes | Malaysia |
| Micoperi | Micoperi 61 self-elevating crane barge - DeLong air hoist system legs | Italy |

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|--|---|------------------------------------|
| Roteq Services S/B | To coating internals of sultzer pump housings | Kemaman Supply Base, West Malaysia |
| Unocal Thailand FPSO Erawan | Water ballast tanks, main decks | (Erawan Offshore) Thailand |
| Columbus Shipmanagement GmbH M.V. Contship Auckland | Heeling tanks | Singapore |
| Dredging International Asia Pacific Vessel: Pacifique | Pump room | Singapore |
| FMC | Recoating of new drill heads accessories | Singapore |
| Fugro Marine Services Vessel: Bavenit Drillship | Slinger beams and panels | Singapore |
| GE Keppel Energy Services | Seawater intake, pumps housing and casing | Singapore |
| Korea National Oil Corporation (Rig Doo Sung) | Freshwater tanks and skooming tanks | Singapore |
| Larsen Oil and Gas PetroProd DP 1—CJ 70 (Jack-up Rig) | Seawater intake pipes | Singapore |
| Power Gas Ltd. | Externals of mild steel gas pipelines | Singapore |
| Maersk Oil and Gas—Norway Vessel: Half Dan Production Platform | Dissimilar materials of seawater intake pipes | Singapore |
| Prosafe Productions Vessel: Ex-Cicade de Sao Mateus (FPSO Navarin) | Seawater intake pipes | Singapore |
| Rickmers Reederei GmbH Vessel: APL Mumbai | Fresh water tanks | Singapore |
| Rickmers Reederei GmbH Vessel: CCNI Busan | Fresh water tanks | Singapore |
| Rickmers Reederei GmbH Vessel: CCNI Vancouver | Fresh water tanks | Singapore |
| Saipem (FPSO ERHA) | Off-loading discharge receptacles | Singapore |
| Smedvig Asia Limited T-3 (Semisubmersible) | Mud pit tanks | Singapore |
| Van Oord (Ex-Ham Dredging) Vessel: THSD HAM 318 | Sand and mud hopper compartments | Singapore |
| Van Oord (Ex-Ham Dredging) Vessel: THSD Rotterdam | Externals of mild steel pipes and fittings | Singapore |
| Van Oord (Ex-Ham Dredging) Vessel: Volvox Asia | Externals of mild steel pipes and fittings | Singapore |
| Western Geco (Schlumberger) Vessel: Geco Emerald | GBlack and grey water tanks, gun deck and kort nozzle, sea chest, mud pump casings, mud strainers | Singapore |
| Western Geco (Schlumberger) Vessel: Geco Searcher | Black and grey water tanks | Singapore |
| Western Geco (Schlumberger) Vessel: Western Spirit | Mud strainer and pump casing units | Singapore |

| Customer | Project | Location |
|---|--|-----------------|
| Swire Pacific Vessel: Pacific Ariki | Monkey island and deck maintenance | Singapore |
| Mectron Engineering | Mud strainer, pump casing units and black water tanks | Singapore |
| Saudi Aramco Offshore (Semi-submersible) B312 | Mud pit and brine tanks, mud processing and cantilever units | Singapore |
| EMAS Offshore Vessel: FPSO Lewek Emas | Seawater intake pipes and external duplex pipe coating | Singapore |
| PPG Marine and Protective Coatings | Offshore structural equipment | Singapore |
| SWTS PTE Ltd. | Seawater intake pipes and internals of mud pump casings | Singapore |