

Ballasting and Underbase Grouting Track Record

Operator	Client	Date	Platform
Talisman	Smit	2007	Yme – Underbase grouting
Petro Canada	Smit	2006	DeRuyter – Underbase grouting
Shell	Aker	2006	Sakhalin – Underbase grouting design
Statoil	Aker Kvaerner	2004	Snohvit – 6 subsea bucket foundations
Statoil	Saipem UK	2003	Kristin – 4 subsea structures/bucket foundations
Veba Oil & Gas	Smit	2000	Hanze F-2A – Orecting & ballasting 33,000 tonnes
Veba Oil & Gas	Smit	2000	Hanze F-2A – Underbase grouting
Statoil	Stolt Offshore	1999	Jotun – Suction anchor buckets
BP	Technip	1998	ETAPS template – Underbase grouting
Kvaerner Oil & Gas	Aker Maritime	1998	Siri – Underbase grouting
Statoil	Saipem UK	1996	Sleipner SLT – Underbase grouting bucket foundations
BP	Aker Maritime	1995	‘Harding’ – Underbase grouting of gravity structure
Statoil	Saipem UK	1994	Europipe 16/11E – Underbase grouting bucket foundation
Statoil	EMC	1992	Zeepipe – Template/tie-in and ballasting using high density slurries (3.60 SG)
Total	Scott Lithgow/Stolt Offshore	1991/92	Bruce SSIS – Levelling and ballasting using free flowing self levelling and high density slurries (from 1.60 to 3.60SG)

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Britoil	UIE Scotland	1991	Amethyst structure – A1-D; 3.60SG Barytes
BP	Stolt Offshore	1990	Forties – T-piece base structure; 3.00SG Barytes
Britoil	UIE Scotland	1990	Amethyst – Ballasting B1-D; 3.60SG Barytes
Sovereign Oil	Technip	1990	Emerald Riser Bases – Ballasting 4 subsea structures; 3.55SG
Total	Stolt Offshore	1990	Alwyn – Subsea barrier pipeline protection and ballasting; 3.60SG
Amoco	Stolt Offshore	1990	N W Hutton – Grouting and ballasting of various subsea structures; 3.60 SG
Single Buoy Moorings	McDermott Australia	1986	Jabiru Mooring System – Barytes ballast
Single Buoy Moorings	Single Buoy Moorings	1986	Ashland FPSO – VI Yoke ballasting hematite
Single Buoy Moorings	Single Buoy Moorings	1984	Statfjord 'C' – Single Point Mooring System
Single Buoy Moorings	Single Buoy Moorings	1982	Tazerka – Single Anchor Leg Storage System (SALMS) - Hematite
Britoil	Britoil	1978	Thistle – Single Anchor Leg Mooring (SALM) - 2000 tonnes