

SUCTION PILE TRACK RECORD

Design and fabrication of mooring, manifold and PLET piles
for offshore floating assets

MOORINGS AND ANCHORS

www.acteon.com

Acteon has designed and fabricated hundreds of suction piles, which have been installed and used in the most complex offshore energy projects. Our structural engineers deliver bespoke design and analysis services and work closely with our fabrication facility to manufacture and test the piles.

Serving the important Gulf of Mexico market and the rest of the world, we fabricate in Louisiana. Managed by InterMoor, a brand in Acteon's Moorings and Anchors business line, our facility in Morgan City has the capability to roll and fabricate piles from steel plate up to 2¼ inches thick (grade 50 material), up to 32 feet in diameter and 100+ feet in length.

INSTALLATION
BESPOKE DESIGN
EXPERTISE CAPABILITY
PROJECT EXPERIENCE



CLIENT	PROJECT NAME	YEAR	WORK SCOPE
TechnipFMC	Whiptail	2024–2025	Fabrication of six WAG piles and six suction piles 17-ft 9-in OD x 60-ft long
OneSubsea	JSM5	2024–2025	Design and fabrication of pump station suction pile 20-ft OD x 80-ft long
Shell	Sparta	2024	Design of mooring piles
Subsea7	Beacon Shenandoah	2023–2024	Fabrication of holdback and manifold piles <ul style="list-style-type: none"> • Two 20-ft OD x 80-ft long holdbacks (155.9 Te each) • One 19-ft 8¼-in. OD x 57 long production manifold piles (117.7 Te) • One 16-ft OD x 76-ft long gas export holdback pile (100 Te)
Shell	Stones MPP Pile	2023–2024	Design of one production manifold pile and one MPP pump manifold pile
OneSubsea	BP Argos Southwest Expansion	2023–2024	Design and fabrication of two manifold piles 28-ft 9-in x 50-ft long. Fabrication of manifold frames <ul style="list-style-type: none"> • One production manifold frame • One PLEM manifold frame
TechnipFMC	Uaru	2023–2024	Fabrication of six WAG piles and six suction piles 17-ft 9-in OD x 60-ft long
McDermott	Shell Whale piles	2023	Design and fabricate two foundation suction piles, each <ul style="list-style-type: none"> • 20-ft Ø x 55-ft long • 112.5 tons
Subsea7	Talos Venice	2023	Fabrication of two foundation piles, each <ul style="list-style-type: none"> • 20-ft Ø x 50-ft long
Subsea7	Talos Lime Rock	2023	Fabrication of one foundation pile <ul style="list-style-type: none"> • 20-ft Ø x 50-ft long
OneSubsea	Kosmos Odd Job	2023	Fabrication of one pumping system pile <ul style="list-style-type: none"> • 22-ft Ø x 50-ft long
OneSubsea	Chevron JSM 5	2023	Design of one pile for Pump Station (PS) and verification of one existing JSM1 pile for new loads
LLOG Exploration Company	Salamanca FPS Mooring anchor pile	2023	Design and fabricate 12 mooring anchor piles, each <ul style="list-style-type: none"> • 16-ft Ø x 80-ft long • 152 tons
OneSubsea	Sakarya	2023	Design of production manifold pile, monoethylene glycon (MEG) pile, and central manifold pile
Subsea7	Chevron Ballymore	2022	Fabricate one suction pile <ul style="list-style-type: none"> • 20-ft Ø x 76-ft long
OneSubsea	Chevron Tahiti Manifold pile	2022	Design and fabricate one suction pile <ul style="list-style-type: none"> • 18-ft Ø x 54-ft long @ 163 kips
OneSubsea	BP Cypre	2022	Design and fabricate one suction pile <ul style="list-style-type: none"> • 22.5-ft Ø x 35-ft minimum embedded length • 253 kips
OneSubsea	Oxy K2	2022	Design and fabricate one suction pile <ul style="list-style-type: none"> • 28-ft 10-in. Ø x 41-ft long • 168 tons
Chevron	Bigfoot	2022	Design and fabricate four suction piles, each <ul style="list-style-type: none"> • 9-ft Ø x 30-ft long • 23 tons
TechnipFMC	Yellowtail	2022	Fabricate six water alternating gas injection manifold piles and six suction piles, each <ul style="list-style-type: none"> • 17-ft 9-in. Ø x 60-ft long
OneSubsea	Chevron Ballymore	2022	Design and fabricate one pile <ul style="list-style-type: none"> • 22-ft Ø x 55-ft long
McDermott	BHP Shenzi	2021	Fabricate one foundation pile <ul style="list-style-type: none"> • 23-ft Ø x 44-ft long • 142 tons
OneSubsea	BP Herschel	2021	Design and fabricate one production manifold pile <ul style="list-style-type: none"> • 23-ft Ø x 50-ft long • 146 tons
TechnipFMC	ExxonMobil Payara	2021	Fabricate five piles, each <ul style="list-style-type: none"> • 17-ft 9-in. Ø x 65-ft long • 142 tons
Subsea7	Chevron Jack/St. Malo WR802	2020	Design and fabricate one production manifold pile <ul style="list-style-type: none"> • 18-ft Ø x 70-ft 10⅞-in. long • 161 tons
Subsea7	Murphy King's Quay	2020	Fabricate 12 piles, each <ul style="list-style-type: none"> • 16-ft Ø x 86-ft long • 150 tons

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OneSubsea	Chevron Anchor Manifold piles	2020	Design and fabricate three piles <ul style="list-style-type: none"> • Two 22-ft Ø x 55-ft long • One 32-ft 10-in. Ø x 60-ft long • 280 tons Largest pile in the Gulf of Mexico
OneSubsea	Jack/St. Malo 4	2020	Design and fabricate four manifold piles <ul style="list-style-type: none"> • Two 18-ft Ø x 54-ft long • 137 tons
Shell	Whale	2019	Design 12 mooring piles, each <ul style="list-style-type: none"> • 18-ft Ø x 63-ft long • 146 tons
OneSubsea	BP Matapal	2019	Design and fabricate one pile <ul style="list-style-type: none"> • 18-ft Ø x 23-ft long • 87 tons
Murphy Oil	King's Quay	2019	Design 12 mooring piles, each <ul style="list-style-type: none"> • 16-ft Ø x 85-ft long
OneSubsea	BP Mad Dog 2	2019	Design and fabricate two water injection manifold piles, each <ul style="list-style-type: none"> • 20-ft Ø x 50-ft long • 148 tons
LLOG Exploration Company	Stonefly	2019	Design and fabricate one holdback pile <ul style="list-style-type: none"> • 12.8-ft Ø x 52-ft long • 112 tons
OneSubsea	Reliance KG-D6 Satellite	2019	Design two manifold piles <ul style="list-style-type: none"> • 29.5-ft Ø x 65.5-ft long • 19.5-ft Ø x 52.5-ft long
OneSubsea	BP Mad Dog 2	2018/2019	Design and fabricate four manifold piles, each <ul style="list-style-type: none"> • 20-ft Ø x 65-ft long • 160 tons
Technip/Noble	Leviathan	2018	Fabricate one pile <ul style="list-style-type: none"> • 19.8-ft Ø x 85-ft long • 150 tons
LLOG Exploration Company	Buckskin	2018	Design and fabricate six holdback piles <ul style="list-style-type: none"> • Two 16-ft Ø x 93-ft long • 155 tons • Four 12.8-ft Ø x 72-ft long • 120 tons
LLOG Exploration Company	Claiborne	2018	Design and fabricate one pipeline end terminal (PLET) pile <ul style="list-style-type: none"> • 12.8-ft Ø x 64-ft long • 116 tons
OneSubsea	Reliance KG-D6 R-Cluster	2017/2018	Design two manifold piles <ul style="list-style-type: none"> • 29.5-ft Ø x 49.2-ft long • 19.5-ft Ø x 46-ft long
Shell	Vito	2017	Design 12 identical mooring piles, each <ul style="list-style-type: none"> • 18-ft Ø x 83-ft long • 163 tons
OneSubsea	Giza, Fayoum and Raven (GFR)	2016	Design four manifold piles <ul style="list-style-type: none"> • One 26.3-ft Ø x 64.3-ft long • One 26.3-ft Ø x 61-ft long • Two 26.3-ft Ø x 56.1-ft long
Shell	Stones	2016	Design and fabricate one manifold pile <ul style="list-style-type: none"> • 32-ft Ø x 47-ft long • 262 tons
OneSubsea	Rosebank	2016	Design two manifold piles <ul style="list-style-type: none"> • 29.5-ft Ø x 36-ft long • 19.7-ft Ø x 32.8-ft long
FMC Technologies	Appomattox	2016	Design four manifold piles, each <ul style="list-style-type: none"> • 16-ft Ø x 87-ft long
Subsea7	Stones	2016	Design and fabricate two riser tether piles, each <ul style="list-style-type: none"> • 11.5-ft Ø x 32.8-ft long • 58 tons

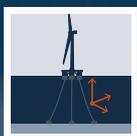


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OneSubsea	BP Taurus and Libra	2015	Design three manifold piles <ul style="list-style-type: none"> • 26.3-ft Ø x 52.5-ft long • 26.3-ft Ø x 59.1-ft long • 26.3-ft Ø x 68.9-ft long
OneSubsea	Chevron Tahiti Vertical Expansion (TVEX)	2015	Design and fabricate one manifold pile <ul style="list-style-type: none"> • 18-ft Ø x 65-ft long • 160 tons
Freeport-McMoRan/Subsea7	Holstein Deep and KOOV Project Suction piles	2015	Design and fabricate six riser/umbilical holdback piles, each <ul style="list-style-type: none"> • 12.8-ft Ø x 50-ft long • 115 tons
ExxonMobil/McDermott	Julia	2015	Fabricate four manifold piles <ul style="list-style-type: none"> • Two 20-ft Ø x 45-ft long • 140 tons • One 20-ft Ø x 65-ft long • 148 tons • One 20-ft Ø x 103-ft long • 174 tons
Shell	Appomattox	2014/2015	Design 16 mooring piles, each <ul style="list-style-type: none"> • 18-ft Ø x 100-ft long
OneSubsea	PMEX Lakach	2014/2015	Design and fabricate two manifold piles, each <ul style="list-style-type: none"> • 18-ft Ø x 58-ft long
Technip/MWCC	AHV A-Frameless Launch Free-standing riser pile	2014/2015	Design and fabricate modification to one free-standing riser pile <ul style="list-style-type: none"> • 18-ft Ø x 95-ft long
Anadarko	Heidelberg	2014	Fabricate nine riser holdback piles, each <ul style="list-style-type: none"> • 12.8-ft Ø x 64-ft long • 92 tons
FMC Technologies	Shell Stones	2013/2014	Design one manifold pile <ul style="list-style-type: none"> • 16-ft Ø x 67.8-ft long
Murphy Oil	Medusa	2013/2014	Design and fabricate one manifold pile <ul style="list-style-type: none"> • 14-ft Ø x 76-ft long
LLOG Exploration Company	Delta House	2013/2014	Design and fabricate 12 mooring piles, each <ul style="list-style-type: none"> • 16-ft Ø x 85-ft long
FMC Technologies	Thunder Horse	2013/2014	Design one manifold pile <ul style="list-style-type: none"> • 16-ft Ø x 54.3-ft long
BP	Thunder Horse	2013	Design and fabricate one PLET holdback pile <ul style="list-style-type: none"> • 11-ft Ø x 70-ft long
BP	Galapagos	2013	Design and fabricate two gas lift umbilical holdback anchor piles, each <ul style="list-style-type: none"> • 11-ft Ø x 41-ft long
Enbridge	Walker Ridge	2013	Fabricate one foundation pile <ul style="list-style-type: none"> • 17-ft Ø x 72-ft 10½ in. long
FMC Technologies	BP Mad Dog 2	2012/2013	Design two manifold piles <ul style="list-style-type: none"> • 16-ft Ø x 64-ft long • 16-ft Ø x 54-ft long
Subsea7	Pemex L60	2013	Fabricate one initiation pile <ul style="list-style-type: none"> • 12.8-ft Ø x 60-ft long
Subsea7	Pemex L67	2013	Modify length and top of initiation pile <ul style="list-style-type: none"> • 14.8-ft Ø 54.5-ft long (added 25-ft to length)
Cameron Subsea Systems		2013	Fabricate one suction pile <ul style="list-style-type: none"> • 18-ft Ø x 75-ft long
Cameron Subsea Systems	West Nile Delta Raven North and South	2013	Design pile tops for two piles, each <ul style="list-style-type: none"> • 26.3-ft Ø x 54.1-ft long
FMC Technologies	Hadrian South	2012/2013	Design one suction pile <ul style="list-style-type: none"> • 14-ft Ø x 68-ft long
Williams	Tubular Bells	2012/2013	Design and fabricate 10 suction piles, each <ul style="list-style-type: none"> • 16-ft Ø x 97-ft long

CLIENT	PROJECT NAME	YEAR	WORK SCOPE
InterMoor		2012	Design and fabricate two suction followers <ul style="list-style-type: none"> • 14-ft Ø x 95-ft long • 14-ft Ø x 60-ft long
EMAS	Tamar Project	2011/2012	Fabricate three foundation piles, each <ul style="list-style-type: none"> • 18-ft Ø x 46-ft long
FMC Technologies	Bonga NW	2011/2012	Design one manifold foundation pile <ul style="list-style-type: none"> • 18-ft Ø x 60-ft long
Cameron Subsea Systems	Jack/St. Malo	2011	Design and fabricate 11 suction piles <ul style="list-style-type: none"> • Seven 18-ft Ø x 55-ft long • Four 18-ft Ø x 75-ft long
Cameron Subsea Systems	Liwan Project	2011	Design three piles <ul style="list-style-type: none"> • 19.7-ft Ø x 31-ft long • 32.8-ft Ø x 46-ft long • 32.8-ft Ø x 65-ft long
LLOG Exploration Company	Matterhorn MC-199	2011	Design and fabricate one riser holdback suction pile <ul style="list-style-type: none"> • 12.8-ft Ø x 50-ft long
FMC Technologies	Tamar Project	2011	Design one manifold foundation pile <ul style="list-style-type: none"> • 19-ft Ø x 76-ft long
LLOG Exploration Company	Who Dat	2011	Design and fabricate one tie-in skid foundation pile <ul style="list-style-type: none"> • 12.8-ft Ø x 70-ft long
BP	PSVM Angola	2010	Fabricate two manifold foundation suction piles <ul style="list-style-type: none"> • 19-ft Ø x 60-ft long • 19-ft Ø x 76-ft long
BP	Macondo	2010	Fabricate free-standing riser piles, each <ul style="list-style-type: none"> • 14-ft Ø x 90-ft long
Murphy Oil	Thunder Hawk	2009	Fabricate PLET holdback anchor suction piles, each <ul style="list-style-type: none"> • 16-ft Ø x 95-ft long



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