

Pipelay Systems

AmClyde Norson Engineering provide pipelay systems for rigid and flexible pipes, tube & hose umbilicals, power cables and other products. Each system can be designed to suit the product handling requirements or the lay vessel deck area.

Pipelay systems can be J-lay utilising a ramp or S-lay with a stinger, and the product can be stored on a reel, in a carousel or as lengths on the deck.

Pipelay System with vertical reel, piggyback reel and fleeting ramp.

The ramp is designed to fleet over the width of the reel allowing product to be spooled on / off accurately.

The ramp can operate through 20 - 90° allowing product to be laid in both shallow and deep water.

The ramp and reel are modular and can be lifted to / from the vessel in a single lift allowing the complete system to be mobbed / de-mobbed within 48 hours.

The system is shown laying 8"NB pipe from the reel.



205Te capacity ramp with 2500Te vertical reel

Pipelay Systems

Pipelay System with horizontal reel, spooling system and fixed position ramp.

The spooling system maintains the tension at the reel to keep the product tightly packed.

A horizontal reel keeps the lay system C of G low on the vessel allowing more product to be carried.

The system is shown laying 6" flexible pipe.



120Te capacity ramp with 1750Te horizontal reel

Main Features

The lay system can be designed to handle standard offshore products or special one off materials. Capacity of the system can be tailored to the vessel size or the installation requirements. Systems can be provided as modular for vessels of convenience or as permanent equipment installations. Regenerated power can be supplied back into the vessels' power system to reduce operating costs.

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Pipelay ramp with pipe passing through the work area and enclosed within exit roller box.

Two tilting platforms are used to access the pipe and carryout field welds etc.



S-lay barge with storage reel, 550Te tension capacity and submerged stinger.



Ramp mounted 3 track Tensioner. Tracks retract to allow clear passage of flexible pipe end flange.



275Te S-lay tensioner

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J-lay system where pre-welded pipe lengths are lifted into the tower and welded prior to laying.

What ever your pipelay requirements, AmClyde Norson Engineering can provide the solution for you. With many years experience in large turnkey projects we have the engineering expertise and project management skills to ensure you get the right product on schedule. This supported by our extensive service and after sales network ensures that you have total confidence in your equipment.

Contacts:

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