

Pipelay Systems

AmClyde Norson Engineering provide pipelay systems for rigid and flexible pipes. Each system is designed to suit the product handling requirements or the lay vessel deck area.

Pipelay systems can be J-lay utilising a tower, S-lay with a stinger or a combination of both when laid from a ramp at varying angles. The product can be stored on a reel, in a carousel or as pipe stalks (lengths) on the vessel deck.

To the right is a 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

To the right is a Pipelay System with horizontal reel, spooling system and fixed position ramp.

The spooling system maintains the tension at the reel to keep the product from slackening around the core.

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 carry out field welds etc.



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



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



275Te S-lay tensioner



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

What ever your pipelay requirements, AmClyde Norson can provide the right 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 equipment on schedule and within budget. This supported by our extensive service and after sales network ensures that you have total confidence in your equipment.

We have successfully supplied equipment and systems into the pipelay market since 1989. All our equipment continues to work to this day proving its design and reliability.

Contacts:

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Visit our Web Sites
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