



# Allseas Group

The Swiss-based Allseas Group S.A., founded in 1985 and headed by Edward Heerema, has wide experience in pipeline installation. The company provides world-wide support to clients from the conceptual design stage to engineering, procurement, installation and commissioning. Allseas do not restrict themselves to available technology but develop new techniques and applications wherever necessary.

Allseas currently operate six vessels: the DP pipelay vessels *Solitaire*, *Audacia* and *Lorelay*, the shallow water pipelay vessel *Tog Mor*, the DP trenching support and subsea installation vessel *Calamity Jane* and the DP ROV / survey support vessel *Manta*.

In January 2007 Allseas took the firm decision to build *Pieter Schelte*, the 370 m long, 117 m wide dynamically positioned platform installation / decommissioning and pipelay vessel. In March 2007 the entire power plant was ordered.

*Pieter Schelte* will have a topsides lift capacity of 48000 t and a jacket lift capacity of 25000 t. The pipelay tension capacity will be 1500 t (upgradeable to 2000 t), exceeding the capacity of Allseas' *Solitaire* by 50% and thereby surpassing her as the world's largest pipelay vessel. Delivery of the completed vessel is targeted for 2011.

*Solitaire*, the largest pipelay vessel in the world, has set new standards in the pipelay industry. Based on the same principles as *Lorelay*, her ship-shape provides excellent workability. She has a pipe carrying capacity of 22000 t, making her less dependent on offshore pipe supply in hostile areas. Precise manoeuvring on full dynamic positioning allows the vessel to work safely in congested areas. Her high cruising speed and lay speed make her very competitive world-wide.

She has achieved lay speeds of over 9 km a day, operating the automatic welding system *Phoenix* which was developed in-house.

*Solitaire* has laid numerous deepwater pipelines and holds a deepwater pipelay record in 2775 m (9100'). Her S-lay capacity was increased in 2005 to a holding force of 1050 t, enabling her to lay the heaviest pipelines.

*Audacia* is 225 m long, which in terms of size places her between Allseas' DP pipelay vessels *Lorelay* and *Solitaire*. She is suited for installation of pipelines up to a diameter of 60 inches including coating, and is intended for operation in all water depths. The concept of *Audacia* has been developed entirely in-house by Allseas.

*Lorelay* was the world's first pipelay vessel on dynamic positioning, representing a new generation. Her ship-shape allows for a high cruising speed; a large pipe storage capacity makes her less dependent on offshore supply. She is able to position precisely and safely and has an excellent workability; she has made her mark world-wide. *Lorelay* has laid many deepwater steel pipelines over the past years, with a record already achieved in 1996 in 1645 m (5400') water depth.

Allseas' shallow water pipelay / multi-purpose work barge *Tog Mor* is employed world-wide, primarily in shallow water areas, both in support of *Lorelay* and *Solitaire* and independently contracted. *Tog Mor* is equipped with a 300 t crane and is moored on anchors.

The trenching support vessel *Calamity Jane* supports *Lorelay*, *Audacia* and *Solitaire* with activities such as pre- and post route survey, crossing preparation and mattress installation, and operates as an independent unit with the mechanical trencher *Digging Donald*. So far, *Digging Donald* has trenched over 3000 km of pipeline world-wide, up to a diameter of 36 inches, in soil conditions ranging from loose sand to very hard clay.

The dynamically positioned survey vessel *Manta* is used world-wide in support of *Solitaire*, *Audacia*, *Lorelay*, *Tog Mor* and *Calamity Jane*. Also, *Manta* is independently contracted for activities such as surveying, flooding, pigging, gauging, flow test and hydrotest operations, and subsea lifts using a subsea installation frame.

Allseas hold permanent offices in Switzerland (the corporate head office), Belgium, the Netherlands, the United States of America, Australia and Portugal, and temporary project offices in a number of countries world-wide.

For more information visit our website [www.allseas.com](http://www.allseas.com).