

# Vigra Spoolbase

subsea 7

Subsea 7  
North Sea  
Spoolbase  
Vigra, Norway



Vigra spoolbase is located beside Ålesund airport, Vigra on the north west coast of Norway. The base runs 3.7km across the island and includes a purpose-built deepwater quay area, covering a total area of 284,505m<sup>2</sup>. This makes it one of the longest spoolbase facilities of its type in the world.

## Key points

- Private 110m long quay
- 1520m long pipe stalk rack
- 330m fabrication building
- 22 station fabrication line
- Single and double joint fabrication
- Fully automatic pipe handling system
- Double joint fabrication line
- Auxiliary fabrication line - 160m long

## Pipe Storage/Handling

Both single and double joints can be handled and are stored on wooden sleepers. Joint handling is performed by a Volvo 180 front end loader with pipe pincers. Stalk pulling during production is performed by a Volvo 330 front end loader. Stalk handling is performed by a minimum of two excavators with roller boxes. Stalk Rack Length: 1,520m  
Stalk Rack Width: 15m

The stalk rack area is equipped with winch and equipment foundations for pipe-in-pipe operations and swage line operations.

## Firing Line

The main fabrication line has a very flexible set-up, in order to accommodate single and double joint fabrication, up to 22 working stations are available for single joint fabrication. The fabrication hall can accommodate a second firing line.

The facilities include a fully automatic pipe handling system, from the outside feed-in rack, through the pipe-in-waiting system, through the line-up station, then through the powered rollers to the end of the fabrication line.

The fabrication line produces 1,500m stalks, which are directly loaded onto the main stalk racks.

## Auxiliary Line

Auxiliary fabrication line, which is capable of fabricating stalks using pipe diameters from 2-inch to 6-inch.

## Double Joint Line

Double joint fabrication line, fabricating coated 3LPP double joints and performing the field joint coating during the fabrication process or fabricating bare double joint, these bare double joint once completed will be transported to a factory coating plant, once they have been coat the double joints would be returned to site, to be used on the main line fabrication line to fabricate the stalks.

## PIP Fabrication

PIP, pipe in pipe fabrication equipment to fabricate pipe in pipe stalks.

## Spooling Line

Spooling line length (from seaward end of stalk racks to quay) is 2,037m. The welding tie-in hall is located 50m from the last stalk rack roller, and is equipped with an automated line-up station.

In addition, a moveable field joint coating tie-in shed is located 1,520m from the welding tie-in hall, which enables welding and field joint coating on two different tie-ins to be performed simultaneously.

The field joint coating tie-in shed is located 515m from the quay. The last rollers of the spooling line fleet in order to suit the vessel ramp position.

## Vessel Berthing

The quay is an L-shaped design, enabling pipelay vessels to moor alongside the 110m long quay for pipe spooling. This gives the opportunity for simultaneous pipe spooling operations and equipment mobilisation.

Pipe joint receipts take place at the same quay and can also be accommodated simultaneously with pipe spooling activities. Tidal variations are estimated at 1.8m.

## Subsea 7 Vigra Hotel

Vigra Spoolbase hotel, we have constructed a 100 bed room hotel on the Vigra spoolbase site, this will house 100 fabrication personnel

## Contact Details

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Caption needed



Stalk handling



On the right the double joint line, on the left the main line fabrication line



PIP equipment