

### Logistics Sites for the Construction of the Nord Stream 2 Pipeline

Stretching some 1,230 kilometres through the Baltic Sea from Russia to Germany, the Nord Stream 2 Pipeline will be built with about 200,000 individual pipe joints. Its construction relies on a precisely timed supply chain, from pipe production to delivery. Designed to minimise the project’s environmental impact, the Nord Stream 2 logistics concept centres around four ports close to the planned pipeline route.

The large-diameter steel pipes needed to build the two offshore pipelines have a combined weight of about 2.4 million tonnes, which is more than doubled once they receive their concrete weight coating. Keeping to the construction schedule will mean having half of them ready and available at different storage sites when pipelaying operations begin, as well as maintaining a steady rate of deliveries to the pipelay vessels to enable round-the-clock construction.

To achieve this without harming the sensitive Baltic Sea ecosystem, Nord Stream 2 runs concrete weight coating and logistics operations out of

four harbours along different sections of the pipeline route. Rather than create infrastructures from scratch, existing port resources have been upgraded and utilised.

Transit distances are kept as short as possible, and pipe materials are moved almost exclusively using low-emissions rail or ship transport. With many of the coating materials sourced locally and most of the workers involved coming from the communities around the ports, the carefully coordinated supply chain is both efficient and environmentally sound.

Germany  
Pipe supplier








Russia  
Pipe suppliers



Coating supplier



OVERVIEW	MUKRAN	KARLSHAMN	HANKO	KOTKA
Total investment	10 million €	8 million €	5 million €	2 million €
Jobs	Up to 400 directly; 100 indirectly	Up to 100	Up to 100	Up to 400 directly; 100 indirectly
Total area (sq. metres)	350,000 for pipe storage	260,000 for pipe storage	280,000 for pipe storage	520,000 for pipe storage
Storage capacity (pipes)	~ 45,000	~ 32,000	~ 37,000	~ 65,000
Total number of pipes	46,000 to Karlshamn	52,600 for interim storage	44,500 from Kotka	44,500 to Hanko
... to be transhipped to/from storage yards				
... to be transhipped directly to pipelay vessel	38,200	52,600	61,300	51,200
... to pass through the site	84,200	52,600	61,300	102,300

-  Concrete coating plant and storage yard
-  Storage yard
-  Nord Stream 2 route
-  Nord Stream route
-  Pipe shipping perimeter