

## FACT SHEET

November 2013

### Nord Stream Logistics by the Numbers

#### The Logistics Concept – Tailor-Made Plan for the Baltic Sea

- **68** Baltic Sea ports were evaluated for the logistics concept, **5** Baltic Sea ports were chosen for Nord Stream's logistics concept
- **100-150 hectares** = space requirement that needed to be made available in existing ports in the Baltic Sea region
- **100 nautical miles** = maximum distance between the marshalling yards and the pipeline route
- **24 hours** = maximum time for a round trip for each carrier vessel supplying the pipe lay barges
- **200,000 tonnes** = amount of CO<sub>2</sub> saved through new concrete coating plants with shorter transport distances to the route = this corresponds to a billion kilometres travelled in an automobile = 25,000 trips around the world
- **650 million euros** = overall value of investment in raw materials and labour for logistics
- **400 jobs** = created directly by the logistics sites
- **4,600,000 tonnes** = pipe materials shipped in total in an environmentally-sound way

#### From the Pipe Mills to the Ports – A Fully Aligned Logistics Chain

- **140,000** = number of steel pipes produced by EUROPIPE
- **50,000** = number of steel pipes produced by the Russian manufacturer OMK
- **10,000** = number of steel pipes produced in Japan by Sumitomo
- **5 million tonnes** (500 times the weight of the Eiffel tower)=total weight of the pipes
- **12 metres** = pipe length
- **1,2 metres** = diameter of each pipe
- **1,530** = kilometres of steel pipes concrete weight coated at the EUPEC plant in Mukran, Germany
- **930** = kilometers of steel pipes concrete weight coated at the EUPEC plant in Kotka, Finland
- **24 tonnes** = pipe weight after concrete coating
- **1,5 million tonnes of iron ore, 500,000 tonnes of aggregate, 430,000 tonnes of cement, 43,000 tonnes of wire**=amount of raw materials used by EUPEC in the concrete-weight-coating plants in Mukran and Kotka
- **100 per cent** of the pipes were transported by train (95 percent) or ship (5 percent) to the marshaling yards
- **100** = capacity of pipes that can be carried by a train
- **200** = capacity of pipes a pipe carrier vessel can hold
- **2** = number of pipes a lorry can carry
- **96 percent** of the overall transport for the Nord Stream project was handled by train and ship

### **Baltic Sea Logistics Hubs – A Sustainable Investment in Port Infrastructure**

- **100 million euros** invested into developing the necessary harbour infrastructure for the Nord Stream project in the Baltic Sea region
- **2 minutes per pipe** = average time needed for ship-2-ship handling in Slite
- **65,000** = pipe storage capacity of Mukran, Germany
- **14,500** = pipe storage capacity of Karlskrona, Sweden
- **6,500** = pipe storage capacity of Slite, Sweden
- **9,000** = pipe storage capacity of Hanko, Finland
- **38,000** = pipe storage capacity of Kotka, Finland

### **From the Ports to the Pipelay Vessels – Continuous Supply for Seamless Construction Programme**

- **199,755** = total number of pipes used in the construction of both lines
- **unique** – each pipe segment was fitted with an individual Radio-frequency identification (RFID) chip in its end cap that allowed identification and tracking
- **126,000** = number of pipes that passed through Mukran
- **30,000** = number of pipes that passed through Karlskrona
- **55,000** = number of pipes that passed through Slite
- **36,000** = number of pipes that passed through Hanko
- **76,000** = number of pipes that passed through Kotka
- **10** = number of pipes coming from interim storage to the laybarges that were rejected due to damage
- **5** = number of pipe carrier vessels deployed during peak construction phase
- **2,000** = number of trips by pipe carrier vessels to supply all pipes used in the construction of the twin pipeline
- **28 kilometres** of each pipeline was built by the Castoro Dieci at the German landfall
- **342.5 kilometres** of each pipeline was built by the Solitaire in Finnish and Russian waters
- **853.5 kilometres** – the majority – of each pipeline was laid by the Castoro Sei in German, Danish, Swedish, Finish and Russian waters

More information at [www.nord-stream.com](http://www.nord-stream.com)

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