

FACT SHEET

November 2013

Nord Stream by Numbers

The Pipeline & the Gas

Nord Stream – a natural gas pipeline system that links Russia and the European Union through the Baltic Sea

- **1,224 kilometres** = length of gas pipeline = approx. length of Rhine river
- **199,755** = amount of individual pipe segments installed for both lines
- **12 metres** = length of each pipeline segment
- **1,153 millimetres** = diameter of each pipeline segment
- **24 tonnes** = weight of each concrete coated pipe segment = weight of 343 average people
- **2,424,000 tonnes** = total amount of steel used to build the Nord Stream Pipeline = approx. 242 times the weight of the Eiffel tower
- **6 years** = time from the start of concrete planning by Nord Stream AG until twin pipeline system comes on stream
- **2,850 kilometres** = distance between the gas fields in Siberia and the Gazprom Compressor Station Portovaya
- **12 days** = time it takes the gas to flow from Northern Russia to European customers
- **50 years** = minimum planned operational life of the pipelines
- **55 billion cubic metres** (bcm) = maximum capacity of both lines per year = can be used for electricity production equivalent to the average annual output of 148,000 wind turbines or 46 coal-fired power plants of 800 MW
- **26 million** = number of European households that can be supplied by Nord Stream

The Environment

The Nord Stream Pipeline is a safe and environmentally responsible way of transporting gas.

- **200,000 tonnes** = saving of CO₂ due to the award-winning 'green logistics concept'
- **200,000,000 tonnes** = saving of CO₂ over 50 years due to design without intermediate compressor stations
- **600** = number of LNG ship movements a year required to deliver the same amount of gas as the Nord Stream Pipeline

Surveys & Environmental and Social Monitoring

- **100 million euros** = investment in research of the Baltic Sea prior to construction
- **40,000 kilometres** = Baltic Sea terrain that has been geophysically surveyed prior to construction = circumference of the earth at the equator
- **2,500 square kilometres** = the area of the Baltic Sea seabed analysed since the start of the feasibility studies in 1997 = the area of Luxembourg
- **100** = munitions removed from the seabed to ensure a safe routing
- **40 million euros** = further investment in environmental monitoring along the route
- **22** = companies involved in ongoing environmental monitoring
- **1,000** = number of sampling locations delivering monitoring results

- **16** = amount of parameters (physical, chemical, biological & socio-economic) analysed

Permitting Process

- **16** = number of Espoo consultation meetings; **25** = number of public hearings
- **3,800** = number of stakeholder inquiries answered during the consultation period
- **2,585 pages** = complexity of the Espoo Report informing about the project
- **10** = number of languages the Espoo Report was published in

The Construction & the Operation

The Nord Stream Pipeline uses state-of-the-art technology to meet the highest international safety standards during construction and operation.

- **3 out of 5** of the world's largest pipelay vessels worked **24/7** for Nord Stream
- **300 metres** = length of the Solitaire pipelay vessel (used in Gulf of Finland) = length of three football pitches
- **148** = total fleet of vessels involved in all survey, construction and logistics operations
- **2,000** = number of trips by pipe carrier vessels to supply all pipes used in the construction of the twin pipeline
- **2.7 kilometres** = average length of completed pipeline per day per vessel
- **15.1 million** = man-hours to construct the Nord Stream Pipeline
- **Zero** serious disabling injuries or fatalities.
- **366 MW** = total capacity of the Gazprom Compressor Station Portovaya which compresses the natural gas to **220 bar** to transport it all the way to European customers
- **24 hours, 7 days a week** = Monitoring to ensure safe operation

The Budget & the Benefit

Nord Stream's privately financed budget is providing a major stimulus for many sectors of the European economy.

- **7.4 billion euros** = total investment of Nord Stream
- **3 billion euros** = cost of pipes and pipeline material
- **2 billion euros** = cost of pipe-laying contracts
- **Zero** = cost to European taxpayers
- **60 million euros** = saving of transportation costs due to the sophisticated 'green logistics concept'
- **100 million euros** = invested in developing the necessary harbour infrastructure in the region
- **12** = number of countries where Nord Stream's investments created business and employment

More information at www.nord-stream.com.

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