



# ASSISTANCE TO THE NORD STREAM PIPELINE PROJECT

## Bringing Gas to Europe: Environmental Studies and Authority Management

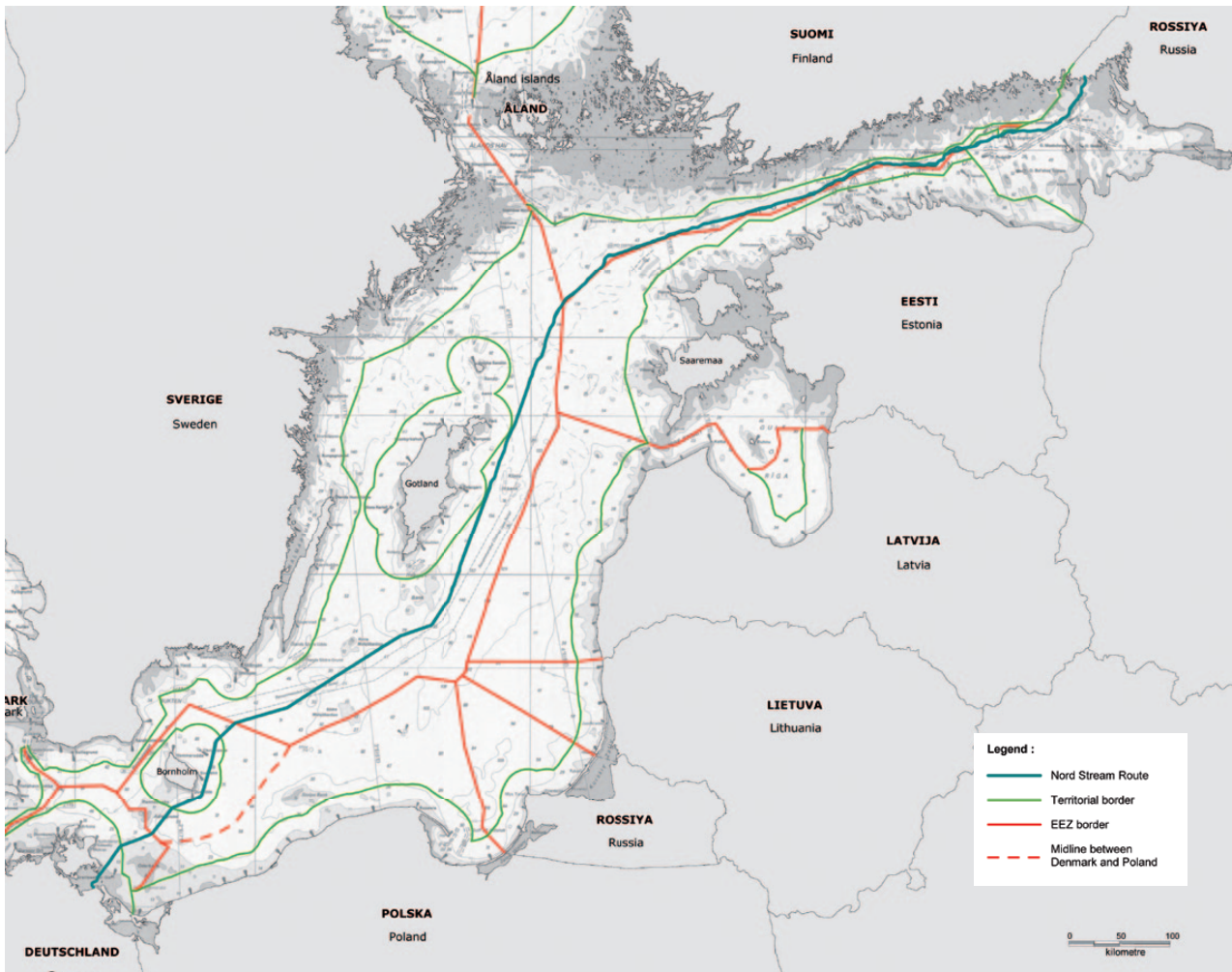
### The project

Establishing a new 1220 km natural gas transmission system from Russia to Europe, comprising two 48" offshore pipelines from Portovaya Bay at Vyborg through the Gulf of Finland and the Baltic Sea to Greifswalder Bodden at Lubmin. The transmission system will be fully operational in 2013 with a capacity of 55 bill. m<sup>3</sup>/year.

### Our services

Ramboll Oil & Gas, in cooperation with Ramboll Finland, Ramboll Sweden, Ramboll Denmark, Ramboll Estonia and other partners, have since early 2006 provided Nord Stream AG (Switzerland) with the following services:

- Overall environmental planning and authority management in Denmark, Sweden and Finland. This also includes participation in numerous authority and stakeholder meetings in all nine countries around the Baltic Sea
- Assistance to the notification process and assistance to preparing an Environmental Impact Assessment in a transboundary context, according to the Espoo Convention for EIA
- Risk Assessment studies, involving ship traffic, fishery, etc.
- Preparation of national environmental documentation and EIAs in Finland, Sweden and Denmark, as well as coordination with German and Russian EIA consultants and documentation
- Preparation of application documentation for construction permits in Finland, Sweden and Denmark
- Preparation of documentation for survey permits, munitions clearance permits and other permits
- Support to route optimisation studies and alternative route studies
- Management of and participation in offshore geophysical, geotechnical and environmental surveys
- Assistance to comprehensive munition surveys and assessment of impacts from dumped chemical munitions and mine clearance
- Assistance to marine archaeological studies, and facilitation of contacts and agreements with national cultural heritage authorities
- Assistance to preparation of cable crossing agreements with cable owners
- Preparation of background energy policy studies
- Assistance with fishery compensation schemes in Sweden, Finland and Denmark, including agreements on introduction of new trawling equipment
- Assistance to public consultation and communication, including development of presentation material, and
- Assistance to extensive translation activities into nine languages.



In addition, Ramboll prepares monitoring programmes for the construction phase, in particular for Finland, Sweden and Denmark.

### Our history with the Nord Stream Project

1997: Evaluation of options for landfall in Germany, Finland and Sweden in connection with planning for offshore pipeline from Russia to Germany. Client: North Transgas Oy

1997: Pre-feasibility study concerning natural gas transmission pipeline from Russia via Finland through the Baltic Sea to Germany. Elaboration of inventory of areas of special interest in connection with nature and wildlife and other issues (e.g. fisheries) which may influence route selection, and

proposal for an environmental permitting plan according to the Espoo Convention on transboundary EIAs. Client: North Transgas Oy

1997 - 1999: Notification Study according to the ESPOO convention on Environmental Impact Assessments in a transboundary context. Identification of potential adverse impacts in connection with the Russian-German pipeline. Client: North Transgas Oy

2003 - 2004: Elaboration of guidance document in connection with international permitting procedures for a transnational natural gas transmission pipeline from Russia to Germany. Assistance to the Environmental Impact Assessment according to the Espoo Convention. Responsible for Scoping Study and EIA programme in preparation for international consultations

according to the European EIA directive and equivalent Russian legislation. Client: OOO PeterGaz.

### CONTACT

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