



Northern Sea Route

Faster transportation between Europe and the Far East

In September 2010, Tschudi Arctic Transit, a company within the Tschudi Group, in close cooperation with Atomflot and Russian authorities, successfully executed the first international bulk transportation between two non-Russian ports via the North Sea Route. The carriage of iron ore concentrate from Kirkenes in Northern Norway to the port of Lianyungang in China, proved the commercial viability of the Northern Sea Route as an alternative international trade route during the ice free season. The international opening of the Northern Sea Route unlocks a potential for transportation of bulk, container and

specialized cargoes between ports in the Northern Atlantic and Northern Pacific regions as well as Russia.

Based on solid experience of transshipment, transportation and logistics in the High North, Tschudi Arctic Transit offers to support cargo owners and shipping companies wanting to investigate the possibility of utilizing the Northern Sea Route for their transportation needs.

Tschudi Arctic Transit will assist in arranging necessary permits and communication with the relevant Russian authorities.

NORTHERN SEA ROUTE



CARGO FROM KIRKENES AND MURMANSK

Destination	Via Suez Canal			Through Northern Sea Route			Days saved
	Distance Nm.	Speed Knts	Days	Distance Nm.	Speed Knts	Days	
Shanghai, China*	12050	14,0	37	6500	12,9*	21*	- 16
Busan, Korea	12400	14,0	38	6050	12,9	19,5	- 18,5
Yokohama, Japan	12730	14,0	39	5750	12,9	18,5	- 20,5

* Based on an actual voyage performed by M/V Nordic Barents from Kirkenes to Lianyungang (China), September 2010



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