RUSSIAN INLAND WATERWAYS:
SPECIFICS, CHALLENGES, SOLUTIONS
RUSSIAN INLAND WATERWAYS: GENERAL OUTLINE AND CHALLENGES

Length: Total length of the inland waterways in Russia is 102 000 km.

Unique geography: Russian inland waterways spread across 11 time zones.

Life and death matter: 78% of the inland waterways are the only way to deliver cargo and even people to some places.

Highly complicated system: 16 000 km of the internal waterways in Russia are artificial, they are equipped with 100 locks, 70 dams and some large pumping stations.

Short navigation period: 2.5 months at worst.
UNIFIED DEEP WATER SYSTEM OF EUROPEAN RUSSIA

- Guaranteed depth - 4 m
- Total length - 6 500 km
- Fully functional since 1975
- The shortcut connecting all the European seas
Under the state authority of Ministry of Transport of the Russian Federation, there is the Federal Agency for Maritime and River Transport. The agency supervises 15 Regional River Authorities that share responsibility for managing the inland waterways according to the map.
INLAND WATERWAYS VALUES

The things you need to think about when it comes to Inland Waterways:

- Security
- Safety
- Control
- Environment
- Innovation implementation
For the past 10 years, Nonius Engineering Ltd. has been working on optimization of the inland waterways managing processes by developing and introducing new automation equipment. Our products help to create **safe**, **controllable** and **very efficient** working environment for inland infrastructure. Committed to **safety**, **sustainability** and **modernization**.

**Unique** products, **high standards** of service and maintenance.
NONIUS ENGINEERING MAIN PRODUCTS

List of products:
- Positioning and production monitoring systems for dredgers
- Positioning systems for suction dredgers, bucket dredgers, backhoe dredgers and split-barges
- Remote monitoring systems
- Geodesic data software
- Ship systems monitoring software

More than 70 dredgers equipped with our products
AtoN MONITORING AND REMOTE CONTROL

- River LED AtoN with monitoring function
- GSM, Satellite, radio channels
- AIS compatible
- Special data transmission protocol
- Cloud monitoring and control service
LET US GO FORWARD TOGETHER!