

COASTAL AREAS, PORTS AND MARINE INFRASTRUCTURE

- ❖ **Maritime infrastructure development: harbours, navigation and safety**
 - Management of ports and harbours
 - Construction and exploitation of harbour facilities and installations
 - Integrated safety systems in harbours (incl. OSPAS)
 - Modern oil terminal: safety and effectiveness
- ❖ **Legal regulations of harbours development in the Russian Federation**
 - Legal regime of coastal waters
 - Legal regime of coastal lands
 - Maritime infrastructure: property rights and state regulations.
 - State-private partnerships in ports' development
- ❖ **Integrated coastal zones management: a city, a harbour and the sea**
 - City-planning documentation and the coastal zone
 - Coastal cities and regulation of the coastal development
 - Integrated coastal zones management in EU and in the Russian Federation
 - Coastal hydrotechnic systems, artificial harbours and islands, dredging
- ❖ **The Arctic Ocean: legal regulation of navigation and offshore activities**
 - International law, living and mineral resources of the Arctic Ocean
 - Legal regime of the Continental Shelf and EEZ of the Russian Federation
 - Legal regulations on maritime navigation in Arctic
 - Legal regime of marine scientific research and exploring of the Continental Shelf
- ❖ **Legal regulations of artificial islands and coastal zones development**
 - Legal regime of artificial lands placed on aquatories
 - Legal regulations of dredging operations
 - International regulation on artificial installations in EEZ and the Continental Shelf
- ❖ **Technic aspects of artificial islands and coastal zones development**
 - Design and survey works for artificial islands and coastal zones
 - Modern machines, equipment and technologies for dredging
 - Ground stabilisation and exploitation of artificial islands and coastal zones

ENVIRONMENTAL SAFETY OF OIL AND GAS OPERATIONS

❖ Environmental safety of continental gas and oil fields

- Environmental surveys and monitoring
- Environmental impact assessment (incl. SEA)
- Environmental technologies and equipment
- Environmental management systems
- ISO 14000 and ISO 19000 certification
- Recultivation of damaged areas

❖ Treatment and disposal systems, special equipment and chemicals

- Treatment and disposal systems, incinerators
- Environmental systems for the petroleum operations
- Special equipment and chemicals
- Environmental control and monitoring systems

❖ Satellite and aero survey systems for gas and oil industry

- Distance control of oil and gas pipelines safety
- Distance survey of oil contaminated areas
- Oil spills and incidents control on the Sea
- Legal regulations on space and aero control

❖ Environmental safety of gas and oil pipelines exploitation

- Environmental survey for oil and gas pipeline transportation systems
- Environmental technologies and constructions for continental and marine pipelines
- Environmental safety of gas and oil pipelines exploitation, technic control systems
- Abandoned pipelines and dismantling of oil and gas pipeline systems

❖ Maritime transport of oil and gas and the environment

- International regulations for ship construction related to oil and gas transportation
- Particularly sensitive sea areas and other marine protected areas
- Environmental aspects of maritime gas transportation
- Emergency services, ships and equipment
- Maritime oil terminals

❖ Environmental safety of dangerous goods transportation by land

- International regulations on dangerous goods transportation
- Risk management in transportation of dangerous goods
- Railway and car transportation: environmental safety of oil terminals
- Environmental safety of oil and gas reservoir parks