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Coastal protection and flood risk management

Access to all types of services

NIRAS has in-house access to all types of specialists and more than 40 years' experience in solving multidisciplinary coastal engineering challenges. Our services include among others:



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- Numerical modelling of waves, water levels and sediment transport
- Site and structure assessments
- Shoreline management plans
- Climate adaptation plans for coastal zones
- Coastal and marine structures
- Flood protection
- Integrated coastal zone management
- Sedimentation of accesses channels to ports and estuaries
- Dredging, reclamation and beach nourishment
- Coastal and waterfront development
- Environmental modelling
- Environmental impact assessment
- Risk assessment
- Cost-benefit analysis
- Concept design and detailed design
- Tender documents and Tendering
- Contract management and site supervision