



Integrated solutions for
Ports & Coastal protection
Engineering & consulting for
environment, safety and infrastructure

Antea Group

Understanding today.
Improving tomorrow.





Our solutions and integrated approach for ports and maritime challenges

For port and maritime projects, the constraints can be so complex that each project is unique:

- Ambitious objectives of industrial, commercial and touristic development of ports
- Tight time constraints
- Cost optimization
- Reduction of environmental impacts
- International environmental & social standards, Blue Growth approach
- Health & safety
- Energy efficiency
- Hinterland connectivity
- Climate change & sea level rise
- Requirements of sustainable and smart cities

Port development & engineering

- Port planning & development
- Port structures (e.g. quay walls, locks, piers, docks), pavement, shore protection
- Dredging & sediment management
- Remediation
- Waste management
- Urban planning

Coastal management

- Integrated Coastal Zone management
- Design of coastal protection
- Erosion management
- Marine numerical modeling

Our experts understand those challenges and can help you during the entire lifecycle of the project, from feasibility study till the maintenance and operation phases.

Antea Group provides engineering and consulting services at each stage of your projects:

- Master plan
- Technical and financial feasibility studies
- surveys & investigations
- Navigation capacity studies
- Front end engineering design, detailed design
- Numerical and physical modeling
- Structural engineering & design
- Geotechnical design
- Permitting
- Project management
- Contract management
- Work & construction supervision
- Environmental data management & GIS
- Environmental & Social Impact Assessment (ESIA)
- Risk assessment & management
- Sediment management optimization
- Health, safety, sustainability services
- Stakeholder management
- Environmental analyses and remediation





Many references around the world

The Netherlands - Petroleum port of Amsterdam

Environmental investigation, risk assessment, consulting on treatment of 100,000 m³ of heavily contaminated sediment

The Netherlands - Flevokust industrial and port area

Total design of the port, incl. fairway for ships and connecting infrastructure, quay wall and wave breaker; feasibility study, EIA and zoning plan; traffic analysis & modeling

Belgium - Port of Ghent

Full design services for the rehabilitation of port infrastructure, incl. assessment of its vulnerability to erosion

France - Port of Saint-Tropez

Project management assistance for the redesign of the promenade and expansion of the port



Panama Canal west bank development

Spain - Outer Ports of Ferrol & A Coruña

Many consulting contracts at various stages of port development, from planning, design to supervision of works

Algeria - Port of Cherchell

Development in JV of the detailed design of one of the biggest container ports in Africa with 26 million tons of goods per year



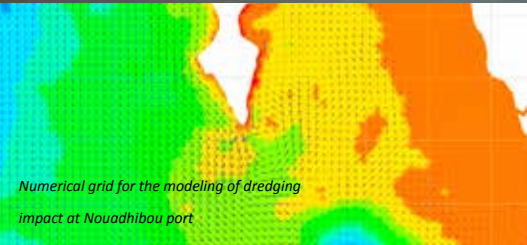
Flevokust port design

Senegal - Port of Dakar

Full design services for the rehabilitation of the Roro terminal, incl. dredging works and coordination of the bidding process

Mauritania - Port of Nouadhibou

ESIA of dredging in the ore port, incl. numerical modelling of the impact of dredging and dumping works



Numerical grid for the modeling of dredging impact at Nouadhibou port

Congo - Port of Pointe Noire

Inspection and supervision of the remediation works of the port contaminated with hydrocarbons after dredging works, incl. Environmental Management Plan

India - Port of Cochin

Comprehensive study to optimize the sediment management in a context of severe siltation while developing a customized nautical depth concept

Haiti - Port-au-Prince

Project management for the 100,000 sqft terminal construction

Dominican Republic - Industrial Port

Study of alternatives for the implementation of floating docks for liquid bulks of a refinery site

Panama - West Bank Panama Canal

Masterplan for the 1,200 hectares development of industrial and economic zone, incl. feasibility study & life-cycle cost analysis



“More than 200 port projects realized all over the world”

Global integrated engineering and consulting player



About Antea Group

As an international engineering and environmental consulting firm, Antea Group specializes in full-service solutions in fields of water, environment, infrastructure and urban planning. We combine strategic thinking and multidisciplinary perspectives with technical expertise and pragmatic action to effectively solve client challenges while delivering sustainable results for a better future.

With more than 3,100 employees in over 80 offices around the world, we have established trustworthy relationships with a wide range of customers for more than 70 years : private companies, international industries, IFIs, municipalities, local and national public authorities.


over **3100**
employees


80
offices


30* of top 200
environmental firms

* 2018 ENR- Engineering News Records

More information?

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