

# Environment



## Integrated Coastal Zone Management

Coastal areas worldwide are undergoing rapid change due to a high demand for the diverse range of goods and services produced here, as well as an expanding human population. As coastal resources are increasingly threatened by pollution, habitat degradation and over-exploitation, public and private sectors need both flexible and adaptive management tools, to ensure efficient and relevant investments and activities.

# Integrated Coastal Zone Management

Grontmij | Carl Bro offers a variety of services in Integrated Coastal Zone Management dealing with activities specific to the coastal environment and production. We have supported the private and the public sector in meeting challenges related to coastal zone activities through more than a decade. Our expertise in Pollution Management, HRD and Natural Resources Management, is applied to strengthen the resource and production base of our customers, optimising their benefits



and protecting the coastal environments. Grontmij | Carl Bro supports the development of new technologies, as well as networks, partnerships and the organisational capacity to integrate stakeholders and optimise management and services to clients, investors, employees, and neighbouring communities of our clients. Through proactive solutions, we want our customers to be at the forefront meeting demands and changes in the economic, political and legal/institutional environment. We provide an extensive human resource base with multidisciplinary experts, emphasising the understanding of complex issues and solutions.

## Our expertise areas related to the Coastal Zones include:

- Pollution Control, Waste Management and Cleaner Production (agriculture, aquaculture, industry, ports and marinas, tourism, settlement, fisheries, etc)
- Organisational Analysis, Strategic Planning and Environmental Management Systems
- Impact Assessments

- Database Development and Information System/Networks Management
- Shore Line Management and Protection Works (Beach, Dune, etc), Watershed, Flood Lands, and Mangrove Forest Management
- Planning & Monitoring of Coastal and Upland Focal & Regional Development
- Alternative Livelihoods Analysis and Development (incl. Eco-tourism)
- Protected Areas Management and Coral Reef Survey and Management
- Land-use Planning and Zoning (incl. mapping and GIS)
- Urban Runoff and Water Quality Management
- Legal Issues and Compliance with International Regulations and Standards
- HRD, Participation and Awareness Raising
- In addition, we offer specific solutions for Impact Assessments, Port Waste Management, Tourism Development and Cleaner Production.

## Selected References:

- Integrated Coastal Zone Environmental Management and Capacity Development, Cambodia
- Gulf of Aqaba Protectorates Development Programme ICZM, Egypt
- Integrated Coastal Zone Management, Malaysia
- Atlantic Biological Corridor, Atlantic Coast, Nicaragua
- Integrated Coastal Zone Management, Nicaragua
- Tourism Policy and Strategic Plan, Uganda
- Environmental Impact Analysis - Grenaa
- Offshore Wind Turbine Park, Denmark
- Cleaner Technology in Shrimp Farming, Thailand
- Environmental Assessments and EIA, Fixed Link across Øresund, Denmark
- Reception Facilities and Port Waste Management of Ship-Generated Waste in Klaipeda State Seaport, Lithuania
- Evaluation of the Coastal Zone Management Programme, Ecuador
- EIA, Sand Exploitation, Baltic Gate, Denmark
- Strengthening of Fisheries Administration, Vietnam
- Integrated Knowledge Networks for IZCM, Ghana
- Coastal Zone Management, Ghana
- Hon Mun Island Protected Area, Vietnam
- Implementation of MARPOL, Thailand and Malaysia

## For further information please visit our website or contact:

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