

# Geospatial solutions for Marine and waterways



Our geospatial port management solutions and consulting services address key opportunities and challenges for operators ranging from international mega ports, to private jetties and inland waterways.



Enabling port operators and administrators to address key challenges of **growth, safety, and profitability.**



Our solutions help **improve**- Navigational safety, operational efficiency, cost saving and congestion risk management.

## Why IIC Technologies

### Integrated Value Chain

Capabilities across value chain from surveys to development of end user applications, we offer end to end geospatial solutions around the globe.

### Data integration

Expertise in integrating large data sets, helps in improving information sharing within the organization and between different agencies, helping them plan and execute projects efficiently.

### Multi-disciplinary Skillset

Skilled work force with expertise across areas – aeronautical, marine, and terrestrial surveys, data processing and software development making us a one stop shop for all geospatial needs.

### Strategic Partnerships

We have strategic partnerships with major software providers, to integrate complex modeling, simulation and visualization capabilities into our solutions.

## KEY SOLUTIONS



### Bathymetric surveys

- Satellite derived bathymetry (SDB)
- Multi beam echo sounders (MBES)
- Single beam echo sounders (SBES)



### Data services

- 3D Terrain maps
- Geophysical surveys
- Weather information
- Position information
- Feasibility and DPR surveys



### Marine solutions

- GIS based asset management
- Automation of key processes
- Siltation analysis
- Inundation analysis
- e-Nav solutions
- Dredge monitoring
- Seabed surficial modeling



### Product Generation

- Electronic Nautical Charts (ENC)
- Raster Nautical Charts (RNC)
- Paper Charts
- Publications and Notices



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