



Decision With Insight

Esquire Port Manager (EPM) is a single web-based platform for complete operational management of ports and terminals.

The solution covers all vessel, cargo, and resources movement activities – from end to end.

With EPM, your business can optimize throughput and turnaround times to improve productivity and efficiency.

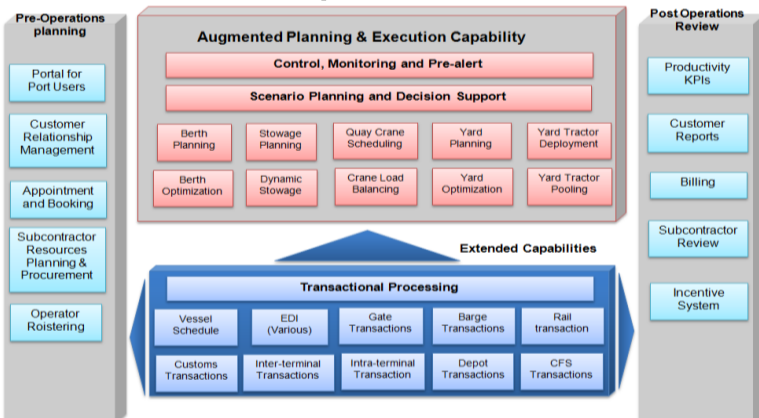
What is a Port?

- ➔ A port is a node in a transportation network – a spatial system of nodes and links over which the movement of cargo (passengers) occurs and mode of transportation changes.
- ➔ A port is also an economic unit that provides a (transfer) service as opposed to producing a physical product.

What is Port Operation?

Port operations' are the facilities and services provided by the port operator to the ships, passengers and cargoes within a port area.

Port Operations Process



How beneficial is it?

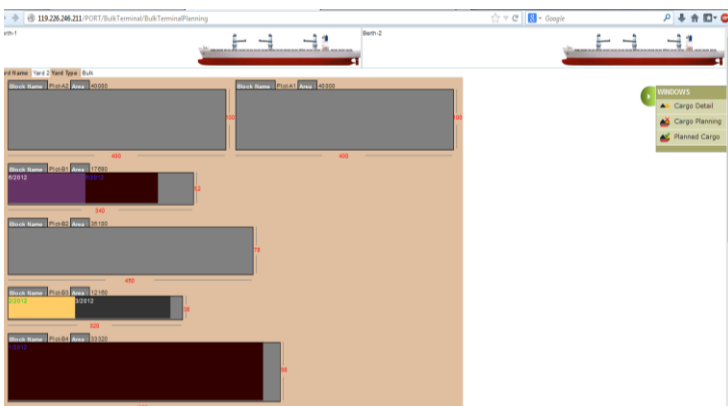
- ➔ Improve effectiveness: The system is designed to facilitate easy control and automation, thereby improving efficiency across all areas of port operations through a single, integrated platform
- ➔ Ensure profit maximization: Ensure profit maximization by improving throughput and optimizing turnaround time in environmental friendly processes
- ➔ Work with real-time data: The application provides global visibility and access to the central database to all stakeholders through Internet-based interfaces. This ensures that all users, whether in the vessel or on shore, share the same updated information
- ➔ Intelligent solutions: Esquire Port Manager Software is not only a data management system; it is also an intelligent decision-support system integrating advanced optimization algorithms and heuristics. This enables users to make informed decisions in a complex operational environment
- ➔ Easy integration: Effortless integration with third-party systems and Service-Oriented Architecture (SOA) based systems
- ➔ Informed decision-making: As information on all types of port activities and performances are available to the users at all times, qualified decisions can be made at all levels of the organization, avoiding bureaucratic processing

PORT MANAGER

- ➔ Forecasting
- ➔ Graphical representations
- ➔ Simulations
- ➔ Real time scenario Planning and Decision Support (MIS-Dashboard)
- ➔ User driven report creation (i.e. data mining)
- ➔ Consultative approach – tailor made for each port
- ➔ Inbuilt purchasing system
- ➔ Provision to integrate with third party ERP, banking systems and electronic devices (i.e. in house embedded and electronics team)



Home Page



Animated view of cargo planning with data

THE SOLUTION YOU NEED

- ➔ Vessel traffic management
Includes all processes involved in seaside operations and relevant activities:
 - a) Vessel profile and agency
 - b) Voyage registration
 - c) Vessel movements
 - d) International Ship and Port Facility Security Code (ISPS) requirements
 - e) Port clearance
- ➔ Terminal management
Includes all processes involved in landside activities and related operations:
 - a) Yard layout and optimization
 - b) Cargo import / export / transshipments
 - c) Cargo stowage
 - d) Cargo handling
 - e) Optimization of container stacking
 - f) Gate operations
- ➔ Railway management
Keeps track of all processes involved in railway activities and related operations. It includes:
 - a) Inward / outward
 - b) Integration of port and government locomotives
 - c) Railway scheduling and monitoring
 - d) Reporting
- ➔ Inland transport
Keeps track of all processes involving inland activities and related operations. It includes:
 - a) Inward / outward
 - b) Integration of port and government locomotives
 - c) Scheduling and monitoring
 - d) Reporting
- ➔ Operational financial management
Estimates tariff and resource charges, such as:
 - a) Tariff card
 - b) Overtime
 - c) Wharf age
 - d) Cargo stuffing and de-stuffing tariff
 - e) Stevedoring
- ➔ Resource and infrastructure
- ➔ Incident report and external interface & more