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Integrated Solutions For Ports (ISFP)

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OUR COMPANY

Integrated Solutions for Ports (ISFP) was founded in year 2004 under the memorandum of understanding concluded between the Egyptian Ministry of Transport and the Ministry of Communications and Information Technology.

The ultimate aim was to provide the necessary experience required to develop Egyptian and regional ports in the field of Information Technology and Communications in order to raise their competitiveness to reach international standards, moreover, in order to cope with the utmost practices in this field.

ISFP VISION

To become the leading company in offering IT services to the Maritime Transport Sector in the Middle East by providing the latest and most up-to-date technological solutions and techniques so as to promote and upgrade Egyptian and regional ports, container terminals and cargo terminals.

ISFP MISSION

Provide the maritime ports with appropriate IT integrated solutions that help improve ports operation efficiency & performance through business process reengineering, specialized software solutions, outsourced IT management services and developing customer staff through customized professional technical training.

SHAREHOLDERS

- The Arab Academy for Science, Technology and Maritime Transport.
- The Egyptian Ministry of Transport.
- The Egyptian Ministry of Communications and Information Technology.

COMPANY PRODUCTS

SMART PORT SOLUTIONS (SPS)

ISFP has developed SMART PORT SOLUTIONS (**SPS**) application, which is a group of specialized applications in operations management of ports, container terminals, general cargo and bulk cargo terminals. SPS is the first package to be developed for this purpose in the Middle East. It serves multiple functions and operations in ports and terminals, and can be applied in ports that are managed by either Port Operating or Landlord system, as well as container and general cargo and bulk cargo terminals.

SPS includes the following modules:

- SPS-Harbor
- SPS-Port-Simulator

- SPS-Container
- SPS-Stevedoring
- SPS-Warehousing
- SPS-Gates
- SPS-Billing
- SPS-Interface.

● **VESSEL OPERATIONS SYSTEM**

This system deals with planning and managing the vessel traffic and services within the port. It calculates their bills according to pre-set rules and standards, specific to each port, and defined in the system.

The Vessel Operations System contains a graphical user interface that shows the port map with vessels positions on the wharfs and also shows the position of stored goods in warehouses and yards, as well as any accidents or pollution cases. Based on the user's preference, the system can visually display the planned, current or past situation of the port.

System Features

- Semi-Automatic planning of vessel on-wharf berthing
- Semi-Automatic planning of Vessel Marine Services
- Monitoring of vessel movements and services
- Monitoring of marine equipment maintenance
- GUI Interface to displaying current, previous and future vessel positions in the port
- Flexible billing system for calculating vessel invoices
- (XML / EDI) Interface for exchanging messages
- Web-Enabled interface
- Wide range of reports and statistics.

● **TERMINAL OPERATING SYSTEM**

This application manages all operations and procedures and calculates bills of handling containers, general cargo and bulk terminals.

System Features

- Management of containers and cargo terminals handling
- Manifest Operations Management
- Monitoring customs clearances
- Containers and Cargo Stevedoring Management
- Yards and warehouses Operations Management
- Vessel Operations Management on wharfs (arrivals, berthing and Departure).

- Monitoring Stevedoring rates and comparing them with standard rates.
- Monitoring refrigerator containers
- Monitoring damaged containers
- Hazardous containers and goods handling
- Integration with container identification technologies
- Integration with truck weighbridges.
- RDT support.
- Integration with container planning systems.
- Management of terminal gates
- Trucks pre-gate handling.
- Issuing truck entry tickets.
- Integration with truck recognition technologies
- Flexible billing system for calculating cargo and container invoices
- Web-Enabled interface
- (XML/EDI) interface for electronic data exchange
- Wide range of reports and statistics.

PORT SINGLE WINDOW (PSW)

ISFP has developed **The Port Single Window (PSW)** to integrate the electronic business workflow in the port community including Port Authority, Customs, Shipping agents, Transportation companies, etc.; The system simplifies and accelerates data exchange between different entities by providing the needed tools and procedures including message exchange system and portal that enable a single authorized entity to collect all import/export business documents from customers, coordinate document processing with other entities until reaching Custom Declaration/Cargo Release or Cargo Shipping/Vessel Departure.

COMPANY SERVICES

• STUDIES AND CONSULTANCY SERVICES

ISFP undertakes all necessary studies to assist ports, container and cargo terminals to document their followed procedures in various operations. It also assists them apply reengineering functions for the purpose of increasing current operations' efficiency rates using automated systems and establishing the single window for ports. **ISFP** identifies port requirements for successfully converting from a manual to a fully automated system. Such requirements may include port operations management programs, electronic data exchange programs and procedure policies modifications. **ISFP** also prepares RFP's, conduct evaluation processes and receives and accepts work from suppliers.

• IT INFRASTRUCTURE SERVICES

ISFP provides several fully integrated services for IT infrastructure, ranging from basic consultancy services and designing ports' data centers & networks, to complete design, delivery and implementations of ports' data center & networks. Consultancy services is mainly carried out to determine port's IT infrastructure requirements for applying port automated systems to guarantee continuity and reliability based on the latest and most up-to-date technologies.

• IT SERVICE OPERATION MANAGEMENT

To support business goals, a company's IT systems must be stable, flexible and available at all times. Outsourcing IT operations to ISFP provides customers with 24-hour service desk support that meets company-specific needs. For example, customers can make separate agreements for individual applications, select housing or hand over the entire facility management. Our flexible IT operation services can handle all service levels and requirements.

We offer a wide range of consultancy and management services both as complete outsourcing solutions and unique services. These services are:

- Supervising automated work cycles and assisting in overcoming different obstacles.
- Monitoring the performance of equipment, networks and applications and working on the optimum utilization of those and other resources.
- Establishing and practicing the contingency plan to ensure the continuity of the automated system.
- Presenting periodical reports to top management and following up on guarantee services.

• INTEGRATION SERVICES

ISFP provides the necessary services for integration between various port entities. This includes conducting all necessary studies to re-engineer procedures among different parties in order to regulate the operational cycle for integration purposes. It also involves designing electronic messages and implementing programs for managing these messages.

• TRAINING SERVICES

ISFP carries out several training programs related to design, implementation, management and operation of IT services in ports and terminals. Training programs cover topics on the management of different operating systems, databases, e-mail systems, and ports & terminals operations handling systems.

COMPANY PROJECTS

ISFP has implemented its technical, consulting services, its specialized applications **SPS** and integration solutions in a number of the largest ports in Egypt and the Middle East. Egyptian clients include Alexandria, Dekheila, Damietta, El-Adabeya and Nuweibaa ports, while ports in the Middle East include El-Khoms and Misrata in Libya, the Maritime Ports Authority of Sudan and Tripoli Port in Lebanon.

ALEXANDRIA & DEKHEILA PORTS

In order to meet rising customer expectations and stay ahead of the competition, APA sought to enrich the overall port operation services by moving to a paperless environment and providing a valuable and relevant solution that completely restructures the manual process of documents exchange between port community members.

Automation aimed at and achieved the optimization of the Port Management processes from decreasing the vessel & cargo turn-around time to making available the necessary real time data for yard operations and performing all statistical and data analysis for decision makers.

DAMIETTA PORT

ISFP acts as an IT implementer and operator at the Damietta Port. Process reengineering was the first step undertaken at the Damietta Port, in an aim to establish an automated workflow. This was followed by the implementation of an international port management package, developed by Navis.

ISFP also developed the integration system between members of the port community and the port authority and is responsible for the daily operation of the Electronic Data Center at the port.

ADABEYA PORT

Adabeya Port Project is a turnkey solution. The project includes all components of the electronic management system including infrastructure components, software applications and operation services for the system.

The first phase of the Adabeya Project was about establishing an electronic management system in the port. This required establishing a professional standardized workflow before actually automating it. Developing and implementing the necessary applications required by members of the port community, such as the Egyptian Authority for Maritime Safety (EAFMS), the Passports, Emigration & Nationality Administration, the Police and the Warehouses, among other parties.

The second phase of the Adabeya Project includes integrating and establishing electronic linkage among members of the port community and between them and the port authority, through an electronic message exchange system.

NUWEIBA PORT

Nuweiba Port Project is a turnkey solution. The project includes all components of the electronic management system including infrastructure components, software applications and operation services for the system.

The project is about establishing an electronic management system in Nuweiba port and implementing a single window system for trade between Nuweiba port and El-Aqaba port. This required establishing a professional standardized workflow before actually automating it. The project includes integrating and establishing electronic linkage among members of the port community and between them and the port authority, through an electronic message exchange system.

EL-KHOMS PORT - LIBYA

As Libya undertakes the Single Window Initiative to facilitate external trade, the Libyan government is currently working to automate the Maritime Sector. El-Khoms Port was chosen as the pilot project for maritime automation. ISFP acts as both the Application provider and Infrastructure Consultant for the automation of El-Khoms Port.

Work was initiated in the form of an Automation Business Study of El-Khoms Port workflow and proceeded with **SPS** Applications being implemented in three phases. As for the infrastructure process, ISFP handled the projects' RFPs and evaluation of proposals, as well as, the implementation supervision and operation strategy.

MISURATA PORT – LIBYA

As a maritime business consultant, ISFP has conducted an automation business study for the different operational activities at Misurata Port. The study included reengineering the workflows in the port, specifying the applications and infrastructure required for the automation. By implementing this study, Misurata Port is targeting to be incorporated as a fully automated Libyan port.

SUDANESE PORTS AUTHORITY -SUDAN

The project aims to design and development a single window for the Sudanese Ports. It includes the design and development of electronic portal for the ship traffic processes, Cargo handling processes and e- payment, prepare a study for specifying the infrastructure required for the automation in order to establish electronic linkage among the port community members.

PORT OF TRIPOLI- LEBANON

The Project aims to develop and implement an integrated system for managing port operation activities including vessel movement, cargo handling, gates control and bills issuing processes. The project also includes integrating and establishing electronic linkage among members of the port community and the port authority, through an electronic message exchange system.