Seaport Information Technology

“I.T. is all about the Business”
It all starts with the Business Permit

- Facilitates the Permit Application Process from initial application through approval.
- Enforces the tariff rules and rates throughout the Permit business process.
- Issue automatic renewals and expiration notices.
- Enforces tariffs and regulations related to the permitting process at the Port.
- More than $770K were collected through the system in the last 12 months.
- 1352 Permits were processed in the system during the last 12 months.
- More than $2.5MM are kept in bonds controlled by this system.
• Created at the request of the Seaport's Marketing Group to address the need to replace the discarded Mailing Address System. The Marketing Group at the Port serves as the principal contact with a wide variety of existing and potential customers.
• Serves as the central depository of company related information for all new systems developed and or purchased by or for the Port of Miami.
• Provides a centralized data-maintenance tool for the Company and the Contact tables along with ample mass mailing, mass e-mail and mass faxing capabilities.
Initiation of the Port Access Function: Security rules, background checks, company validity, expiration, renewal and issuance rules and regulations, certifications, personal information, and access-rules to restricted/secured areas are all enforced by this system.

- Applies effective tariff rates to each type of transaction.
- Provides an easy way to assign parking rights as well as access to restricted areas (via an API to the LENEL Access Control System)
- Closely integrated to other systems: Cashiering, LENEL, Gates, Accounting, and Permit.
- Interfaces with CrossMatch Fingerprinting Store-and-Forward System.
Cargo Gate System

- Welcomes Port’s partners to the cargo yards in a professional and well-structured manner.
- Enforces Port’s, State’s, and Federal security regulations.
- Enforces Port’s business rules related to permit, valid-identification, current balances in pre-deposited accounts/credit allowances, security holds, and 5/90 exceptions.
- Integrates to a Customs’ radiation-control system to ensure security and safety outbound.
- Shortens the processing time: 1.5 minutes for trucks/ 40 seconds for cars average.
- The Gate is system is integrated with the Credentialing, Access Control, Accounting and Permit Systems.
• Designed to meet the needs of any size organization, from one that requires entry-level, two-reader system to a large corporation with numerous facilities and thousands of card readers located around the world.

• Supports an unlimited number of card readers, alarm points and cardholders.

• OnGuard is integrated with the Port of Miami’s Credentialing, Parking and Cargo Gate Vehicle Processing Systems.
Waterside Surveillance System

- Integrates Radar, Automatic Identification System (AIS) and Video data to provide the highest value wide area surveillance system available.
- Automates detection, tracking, and alarming, based on the Port’s security plan, therefore security personnel can perform tasks other than monitoring the detection system.
- The AIS component has been integrated to our Berthing System for automatic detection of vessel arrival and departure times. Also integrated with our LENEL Access Control System for intrusion detection and temperature alarms.
NiceVision ControlCenter

Complete Event Management

- Intuitive, Easy-to-Use GUI
- Drag & Drop Cameras & Playback Video
- Map-Driven Navigation
- Configurable Views Upon Event
- Alarm-Triggered “To Do” Lists
- Scenario Reconstruction
- Integrated Multi-Site Management
- Enhanced Multiple User Administration
- Simplified, Centralized Maintenance
- “Insight Onsite” – PDA & Web Viewers
Security Command Center Video Wall
The Berthing Officer Assistant keeps up-to-date berthing data concerning the docking ops of the POM (berth requests, vessels, ship-lines, billing and husbanding agents, stevedores, etc.). The system integrates with the Financial Billing and AIS. This module also features several reports (i.e.: Daily Dock, Crane Schedule, etc.)
Planning Board
The Planning Board depicts the berthing data graphically for both the cruise and the cargo areas.

Port Image
A real-time image of the Port linked to AIS system showing current berths by representing vessels at scale.
Seaport Billing and Accounts Receivable System

- Bills the appropriate agents for the services provided such as wharfage (passenger and cargo), dockage, crane use, water, etc. Creates invoices for other ‘secondary’ charges such as GT-fees, damages to port property, scale usage, leases and rentals, and storage.
- Reports generated by the collections portion of the system serve as the basis for journal entries submitted to the Financial System.
- Stores and reports the statistics upon which the charges are based such as cargo tons, passenger counts, ship tonnage, TEUs, empty and loaded containers and trailers.
- Integrated with all Legacy Port of Miami applications – Contact, Berthing, Cashiering, Verification, Accounting, Ground Transportation, and Gate Security systems. Reefer,
Cashiering and Verification System

- Collects moneys from all sources, and for all purposes related to Port’s businesses that involve financial transactions.
- Ties each dollar to the originating transaction and enforces tariffs and regulations.
- Integrates to other systems (i.e.: ID-Badge, Accounting, Gates, etc.) to facilitate the collection of moneys.
- Provides accounting tools to handle cash reports and end-of-day procedures following accounting best practices and double balance rules.
- Cash drawers are integrated within the system to provide enhanced security and individual accountability. Receipts are printed for all transactions. The system provides a full range of journals, research tools and self-auditing capabilities along with reporting capabilities to satisfy the management’s needs.
Federal ADP Parking Revenue System

- Allow users to manage revenue from their workstation. The user can be in constant communication with all of the stations within the parking facility.
- Allow the user to lock gates open or closed, to put particular stations out of service as needed, or to instruct exit stations to “swallow” tickets, right from the user’s work station.
- The communications server polls the stations to collect data about each parking transaction, including patrons entering and exiting the lots, back-out alarms, vehicle counts, parking payments, etc. All transactions are stored in the database for reporting.
- PCI-Compliant.
Ground Transportation System

- Comprehensive and fully automated Ground Transportation System that will monitor, correctly identify, and authenticate all commercial traffic entering the cruise areas via an Automatic Vehicle Identification (AVI) System.
- The primary detection equipment will be installed over the existing (or modified) sign structures on the eastern end of the bridge which spans the four inbound lanes.
- The detection equipment will track all commercial vehicles entering and leaving the POM and consequently a Port-provided handler will charge those vehicles with the applicable fees.
• Provides the user with a flexible interface that allows for different presentation modes, various font styles and character height options, simple graphics and animations, moving text, current time display, current temperature display, LED brightness control and scheduling capabilities.
• Messages can be changed instantly via the Port’s network.
• Future integration planned with Berth Planning System
Refrigerated Trailer Inventory

- Enforces current tariffs. Facilitates accurate and timely invoicing.
- Designed to track the refrigerated trailers which connect to the POM outlets that supply electricity to the container refrigeration units.
- Inventory of trailers connected to outlets are taken several times a day and entered into the system for billing purposes. Companies are charged based on a per-diem rate.
- Integrated with the Billing and Accounts Receivable System Management System where tariffs and discounts are controlled and the invoice is created.
Online Services

Daily Dock Report
Whether you are a vessel agent trying to request a berth assignment or a passenger trying to find your reservation details, you can easily get the information you need by printing our Daily Dock Report. Just enter a date range and your request will be amply satisfied.

Gate Passes
Trucking companies can easily access their individual Gate Pass logs by visiting our Gate Transaction Inquiry website. You can also print reports and obtain valuable data to reconcile charges (or extended credits) for the use of our scales. In order to protect the privacy of our customers, you will need to be registered users to access the site.

Account Replenishment
It is easier to manage - and financially beneficial to the Port Customers to keep pre-paid accounts with the Port to pay for services (i.e. ID-Badges, Ground Transportation, and Gate Scales). Our secured Account Replenishment site allows you to keep your accounts funded without having to visit our offices. You will need specific company information to use this convenient feature.

Financial Services
SeaPal is a secure online service where Port of Miami Partners can efficiently manage their accounts. SeaPal features include viewing and printing statements, completing secured e-check payments, posting invoice disputes, immediate two-way access to SeaPort Finance personnel and much more. In order to protect your privacy, you will need to pre-register. Join today!

Port ID Renewal
No more lines. Complete your renewal process online and come to the Port just to pick up your card. The SeaPort ID Renewal site was designed with your comfort in mind.

Company Authorization
If your company has a pre-paid account with the Port to cover your employees' charges when renewing their IDs online, use our Company Authorization website to issue name-pass codes to those employees who you authorize to use your company's pre-deposited money.

Ground Transportation Trip Inquiry
Ground Transportation vehicles do not have to stop any more to fill out forms. The Port of Miami has deployed a state-of-the-art system that captures trip information and applies the corresponding charges automatically. If you are in the business of taking passengers to/from the Port of Miami, visit our Ground Transportation Trip Inquiry site. You will be able to review your trip log, print statements, verify transponder readability and much more.

Ground Transportation Company Directory
Many Ground Transportation Companies offer affordable and convenient charter and shuttle services to passengers using the Port of Miami. Prearrange your pick-up or drop-off with one of these fully permitted companies and let them take care of your needs. They will gladly service small and large groups based on count and itinerary; individuals too, who are willing to share a bus with other passengers and maybe, why not? Make new friends.

Live Video
The Port of Miami is not only one of the busiest but it is also one of the most beautiful ports in the Florida peninsula. Visit our Video Management site for live views of both our cargo and passenger areas. Do not stop there... reserve a cruise visit with us soon.
Future Systems

Security
• Underwater Surveillance (Sonar)
• Public Mass Notification Alert System
• Physical Security Information Management System
• Law Enforcement Automated License Plate Recognition System
• Cargo Gate Consolidation
• Cargo Green Lanes

Development
• Capital Development & Facility Lifecycle Management

Operations
• Electronic Water Meter Readings
• Electronic Reefer Hook-up Identification
Future Systems

Business Initiatives
• Customer Relationship Management System

Finance
• Permit Application and Renewal via the Internet

Business Partners and Customers
• Port Community System