

People Making Technology Work™



## Overview of the PierPASS Project

ACS, Inc. (Nasdaq: ACS)

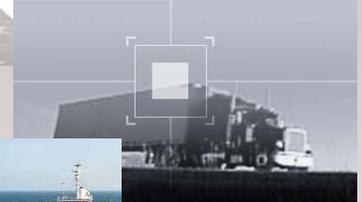
**ACS is the leading full-service provider of business process and information technology outsourcing solutions.**

- ▶ **Founded in 1988**
- ▶ **Recognized *Fortune 500* company**
- ▶ **\$5 billion in annual revenue**
- ▶ **Operates 750 global locations**
- ▶ **Supports client operations in nearly 100 countries**
- ▶ **Employs more than 50,000 people**



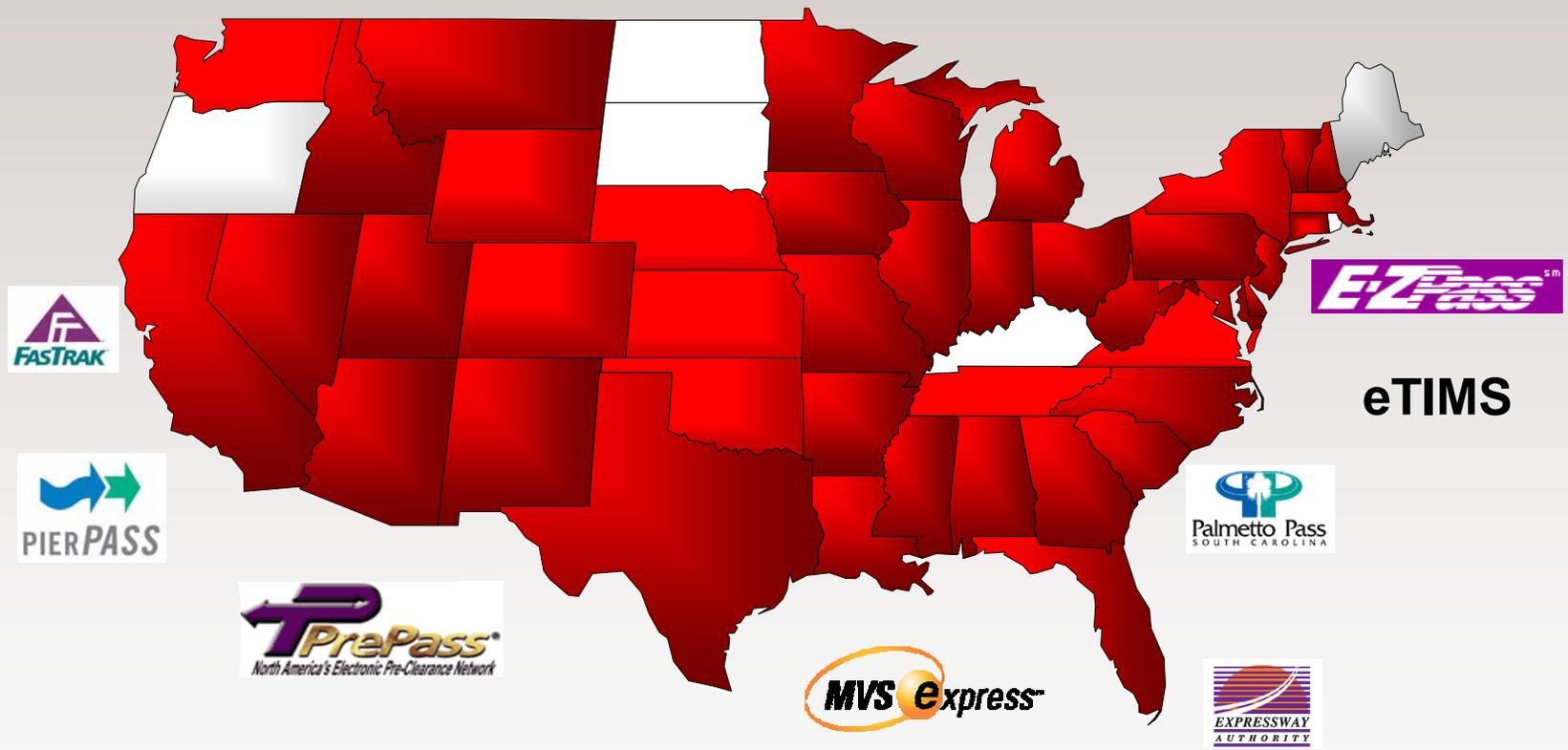
# Transportation Solutions

- ▶ **Electronic toll collection**
- ▶ **Commercial vehicle operations**
- ▶ **Motor vehicle services**
- ▶ **Parking violation processing**
- ▶ **Photo enforcement**
- ▶ **Port management systems**



# Market Presence in Transportation

Industry leader in transportation outsourcing with contracts in 42 states, as well as in The Netherlands and Canada



# Ports of Los Angeles and Long Beach

## Port-Related Problems:



**Congestion**



**Pollution**



**Capacity Constraints**

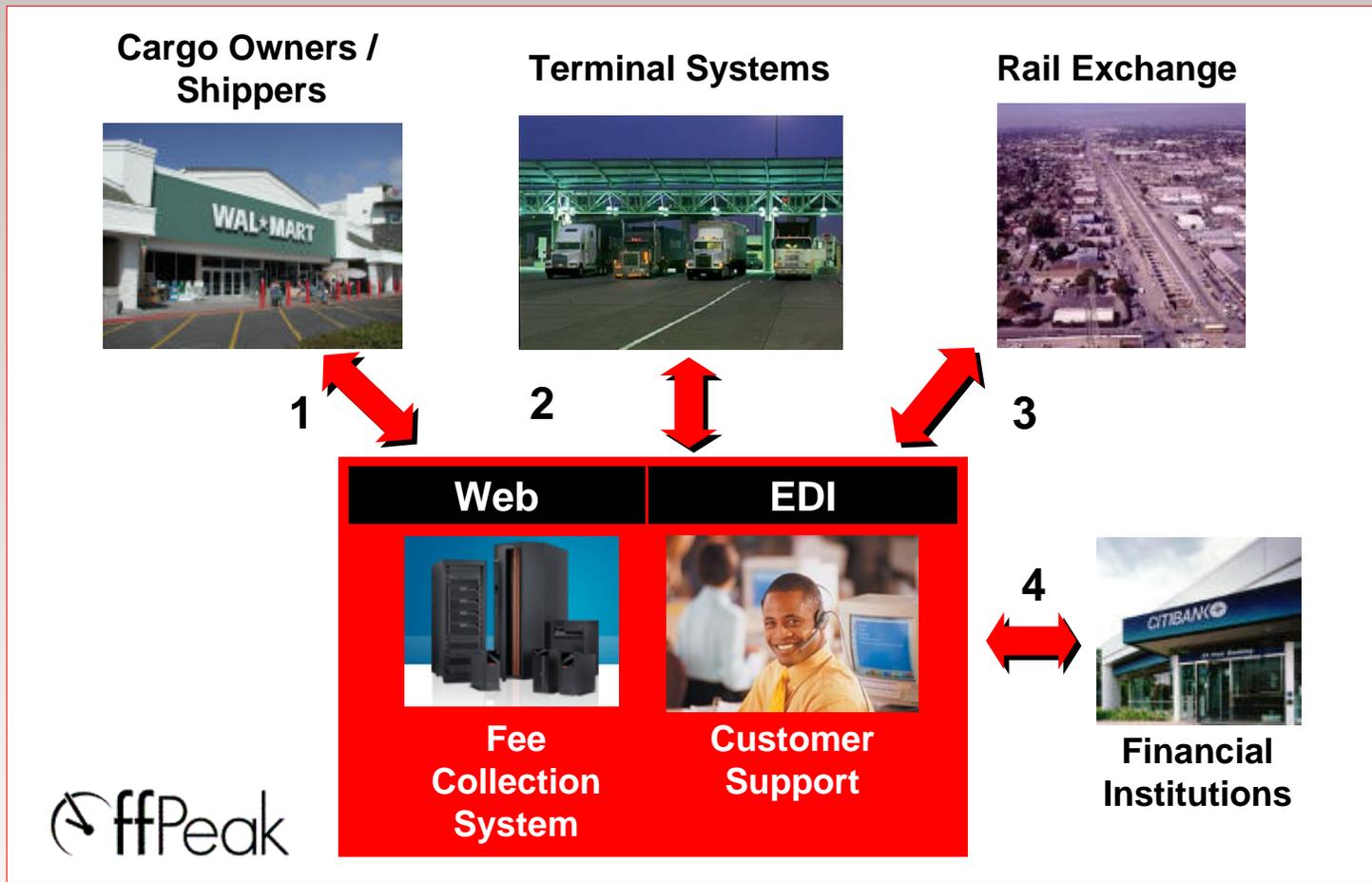


## Innovative Solution:

- ▶ **Traffic mitigation fee to pay for extended hours of port operations**
- ▶ **Use peak-hour fee to shift truck traffic to new off-peak hours 6 pm to 3 am Monday-Friday and 8am to 6pm on Saturday**
- ▶ **Form non-profit entity to administer the program**

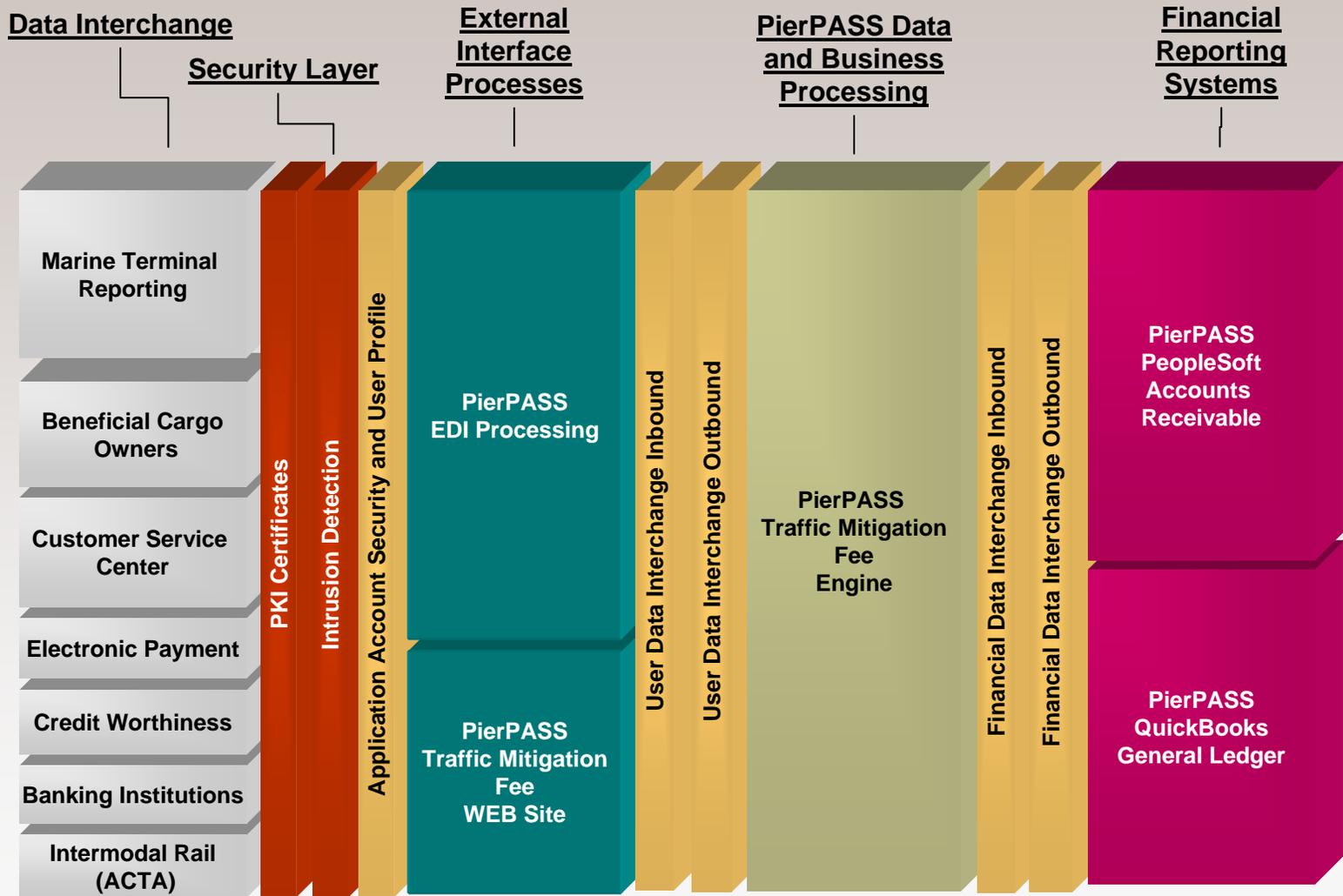


# High-Level View of Our Solution

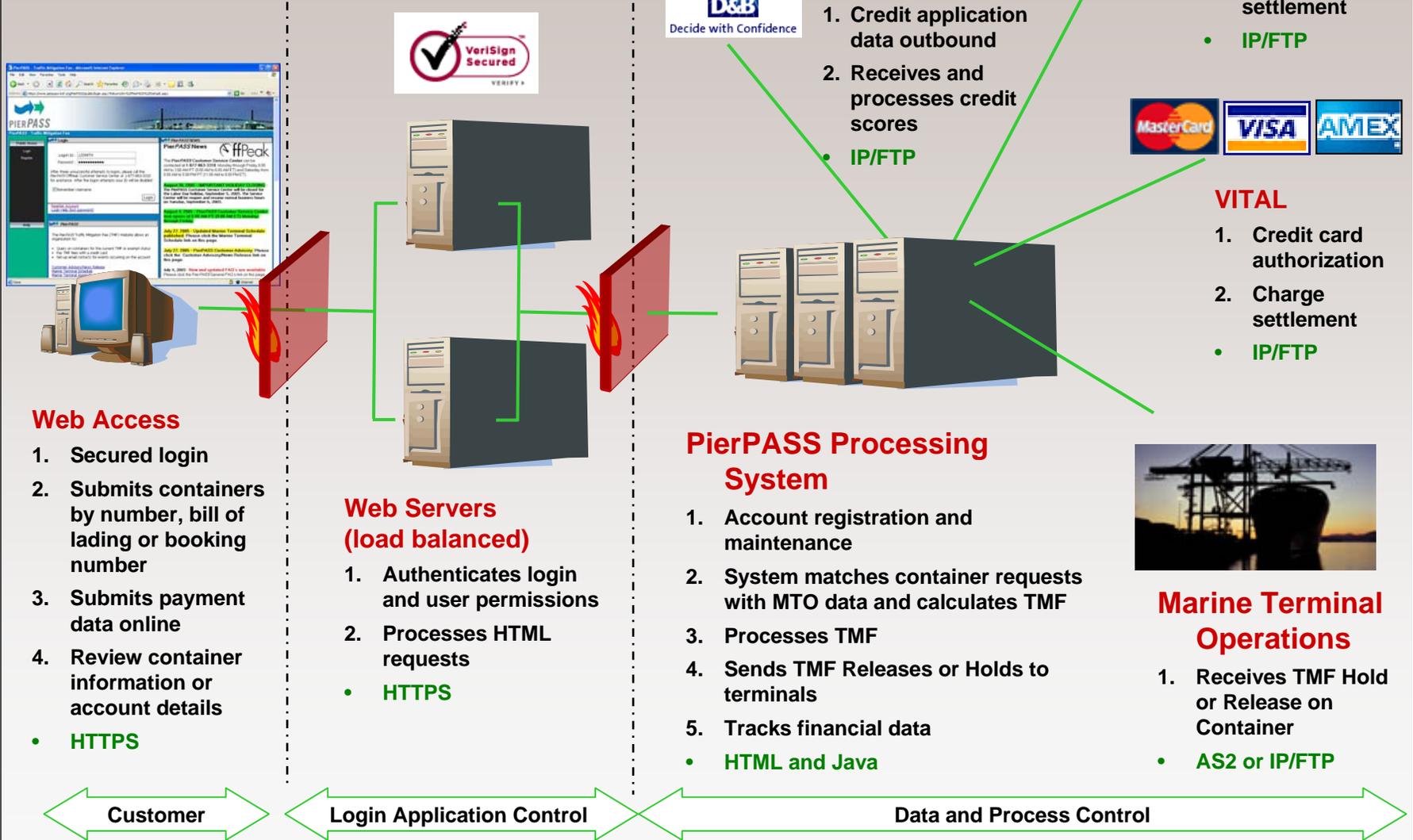


1. Shippers enroll on [www.pierpass.org](http://www.pierpass.org)
2. Terminal systems feed database; shippers identify their containers
3. Determine if exempt, otherwise collect \$40/TEU fee for peak traffic
4. Revenue disbursed for extra hours

# System Architecture



# Website Processes



# EDI Processes

## Marine Terminal Operations

1. Send Container records based upon BAPLIE/Manifest file processes
  2. Receive TMF Status records based upon eligibility/payment
  3. Send Gate Activity files
- AS2, IP/FTP



## Beneficial Cargo Owners, Operators and Agents

1. Send Container records for claim, invoicing and/or direct payment
- AS2, IP/FTP



## PierPASS Processing System

1. EDI event driven processes deliver real-time responses to MTOs and website
  2. Stores and maintains container TMF statuses
  3. Matches container requests with MTO Data and calculates TMF
  4. Processes TMF
  5. Sends TMF Releases or Holds to terminals
  6. Reconciles with gate activities
- SQL

## FTP Servers (load balanced)

1. Authenticates IP source, controls and permissions
  2. Processes FTP requests
  3. Pass-thru AS2 requests
- IP/FTP

## EDI Management and Transformation

1. Controls inbound and outbound messaging with all trading partners
  2. Translates messages from and to ANSI X.12 and ASCII
  3. Transforms messages directly into and out of the database
- HTML/SQL

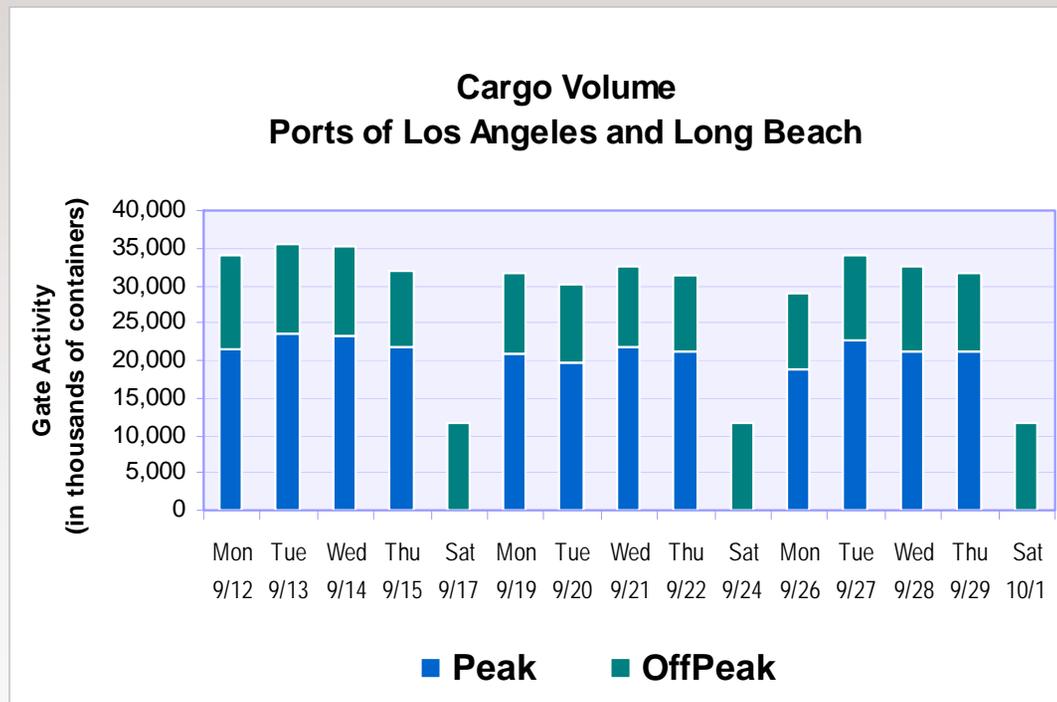


## Interesting Operational Stats

- ▶ **10,000 customers with active accounts**
- ▶ **12 marine terminal operators have container and gate activity data interface via EDI**
- ▶ **95,500 EDI transactions are processed per day**
- ▶ **31,200 containers are processed per day**
- ▶ **29 customers linked via EDI**
- ▶ **\$2.2 million in traffic mitigation fees collected per week**
- ▶ **Fees collected via invoice (58%), credit card (30%), and e-check (12%)**
- ▶ **4-month implementation for July 23, 2005 go-live**

# It's Beating Expectations

- ▶ **PierPASS' two-year goal achieved in two months**
- ▶ **35% of daily container traffic moves in off-peak hours**
- ▶ **More than 10,000 trucks a day during typical off-peak shift**
- ▶ **Peak-hour traffic on the 710 freeway down 24% (ACTA study)**



# Why is this Program Significant?

- ▶ **Private sector solution to a public problem**
- ▶ **Technology enables fee collection directly from shippers**
- ▶ **Variable pricing to optimize movement**
- ▶ **Supported by the shippers and unions**
- ▶ **Positions ports for rapid growth**
- ▶ **Potential for follow-on applications in surcharge collection, port security, supply chain management, etc.**



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