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 8 am to 6 pm on Saturday
- Form non-profit entity to administer the program
High-Level View of Our Solution

1. Shippers enroll on 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

Data Interchange
- Marine Terminal Reporting
- Beneficial Cargo Owners
- Customer Service Center
- Electronic Payment
- Credit Worthiness
- Banking Institutions
- Intermodal Rail (ACTA)

External Interface Processes
- Intrusion Detection
- Application Account Security and User Profile
- PierPASS EDI Processing

PierPASS Data and Business Processing
- User Data Interchange Inbound
- User Data Interchange Outbound
- PierPASS Traffic Mitigation Fee Engine

Financial Reporting Systems
- Financial Data Interchange Inbound
- Financial Data Interchange Outbound
- PierPASS Traffic Mitigation Fee WEB Site
- PierPASS PeopleSoft Accounts Receivable
- PierPASS QuickBooks General Ledger
- PeopleSoft Accounts Receivable
- QuickBooks General Ledger
Website Processes

**Web Access**
1. Secured login
2. Submits containers by number, bill of lading or booking number
3. Submits payment data online
4. Review container information or account details
   - HTTPS

**Web Servers (load balanced)**
1. Authenticates login and user permissions
2. Processes HTML requests
   - HTTPS

**PierPASS Processing System**
1. Account registration and maintenance
2. System matches container requests with MTO data and calculates TMF
3. Processes TMF
4. Sends TMF Releases or Holds to terminals
5. Tracks financial data
   - HTML and Java

**Dunn and Bradstreet**
1. Credit application data outbound
2. Receives and processes credit scores
   - IP/FTP

**FDMS**
1. E-Check guaranteed authorization
2. Funds settlement
   - IP/FTP

**VITAL**
1. Credit card authorization
2. Charge settlement
   - IP/FTP

**Marine Terminal Operations**
1. Receives TMF Hold or Release on Container
   - AS2 or IP/FTP

**Customer**

**Login Application Control**

**Data and Process Control**
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

FTP Servers (load balanced)
1. Authenticates IP source, controls and permissions
2. Processes FTP requests
3. Pass-thru AS2 requests
   • 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

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

Customer
Login Application Control
Data and Process Control
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)

![Cargo Volume Graph]

**Ports of Los Angeles and Long Beach**

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<td>Gate Activity (in thousands of containers)</td>
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**Peak**  | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 | 25,000 |

**OffPeak** | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 | 10,000 |
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.