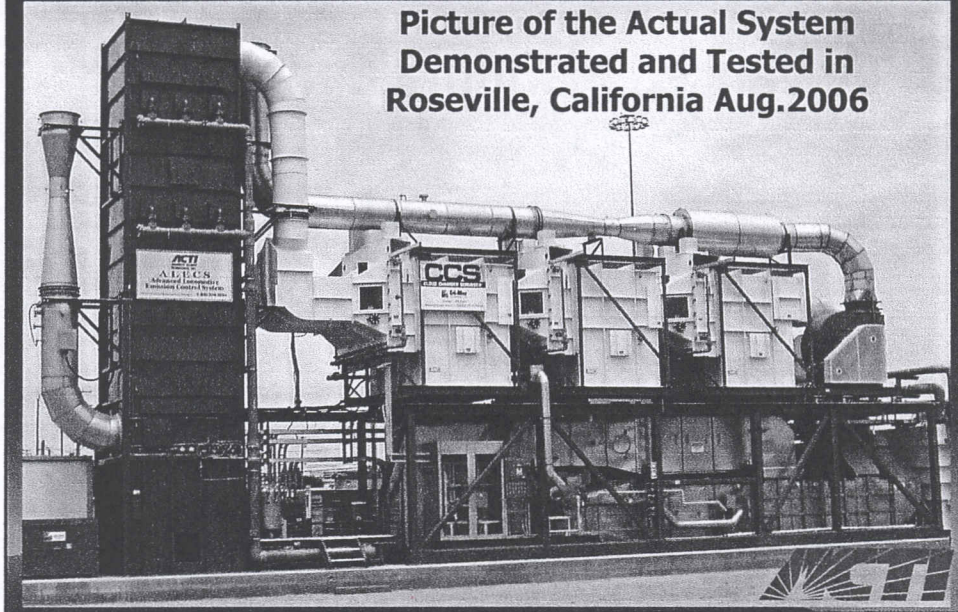
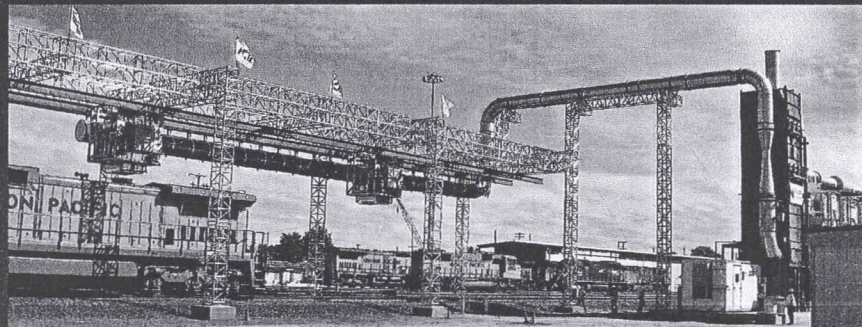


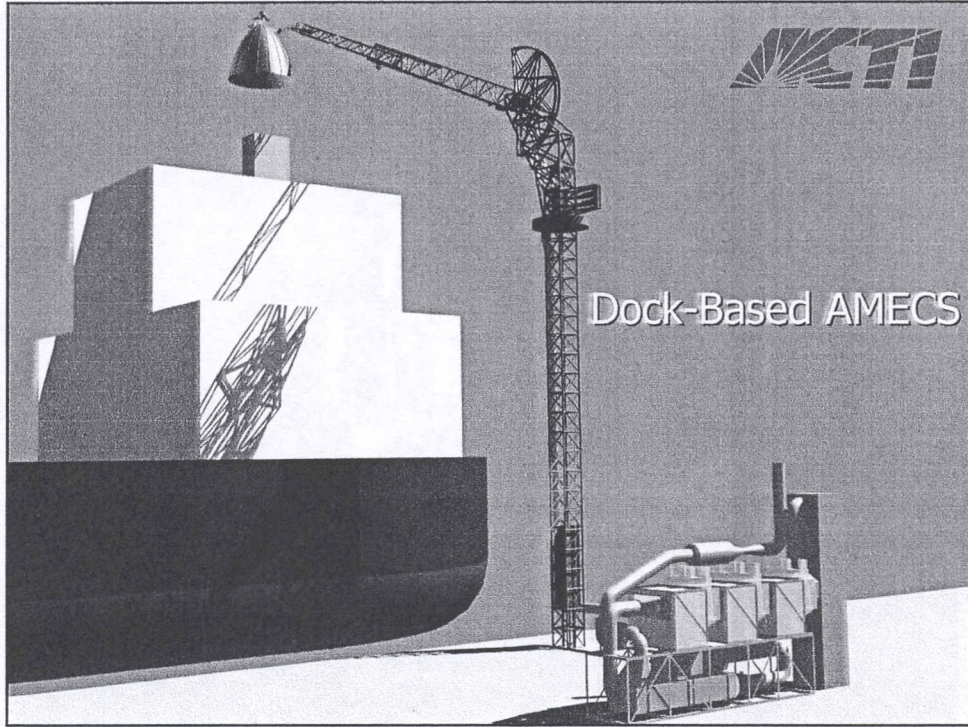
Emissions Treatment Subsystem

**Picture of the Actual System
Demonstrated and Tested in
Roseville, California Aug. 2006**

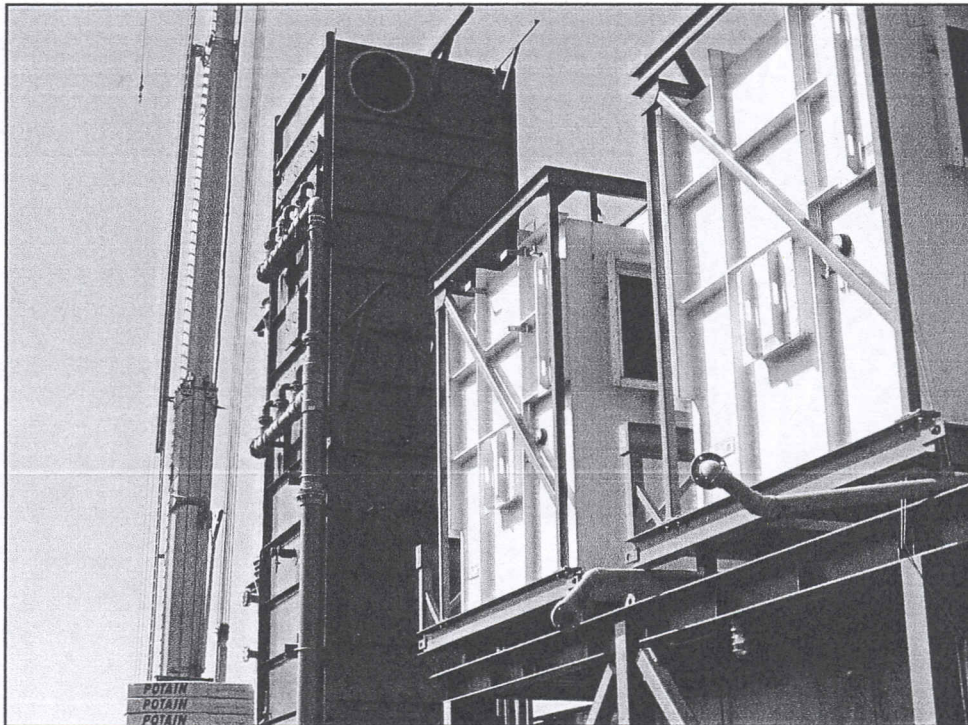


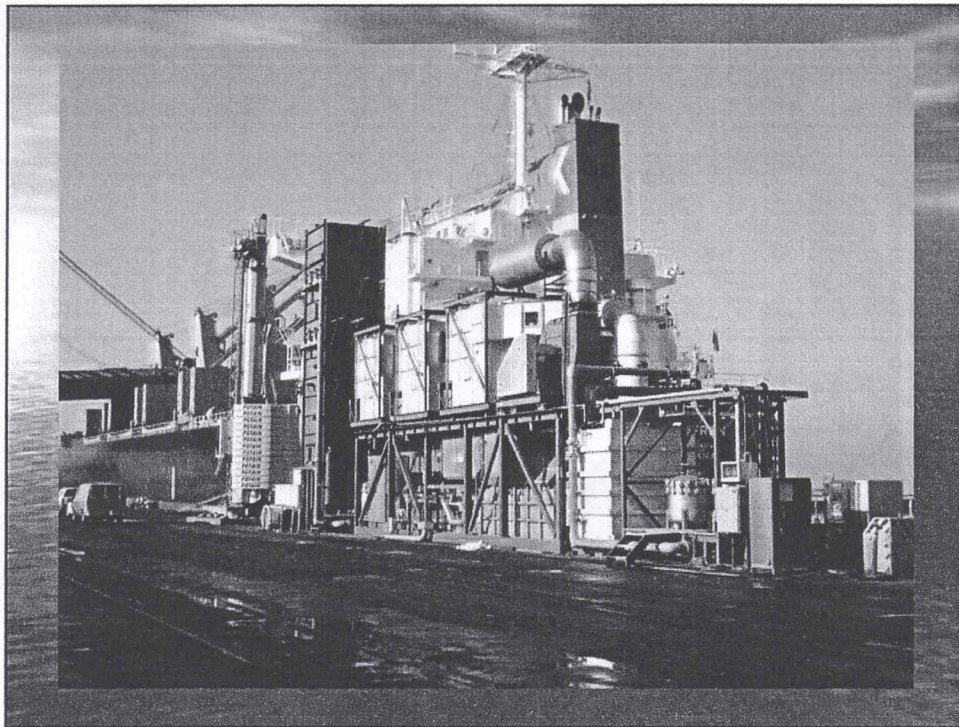
Successful Demonstration Program Union Pacific Yard. Aug. 2006



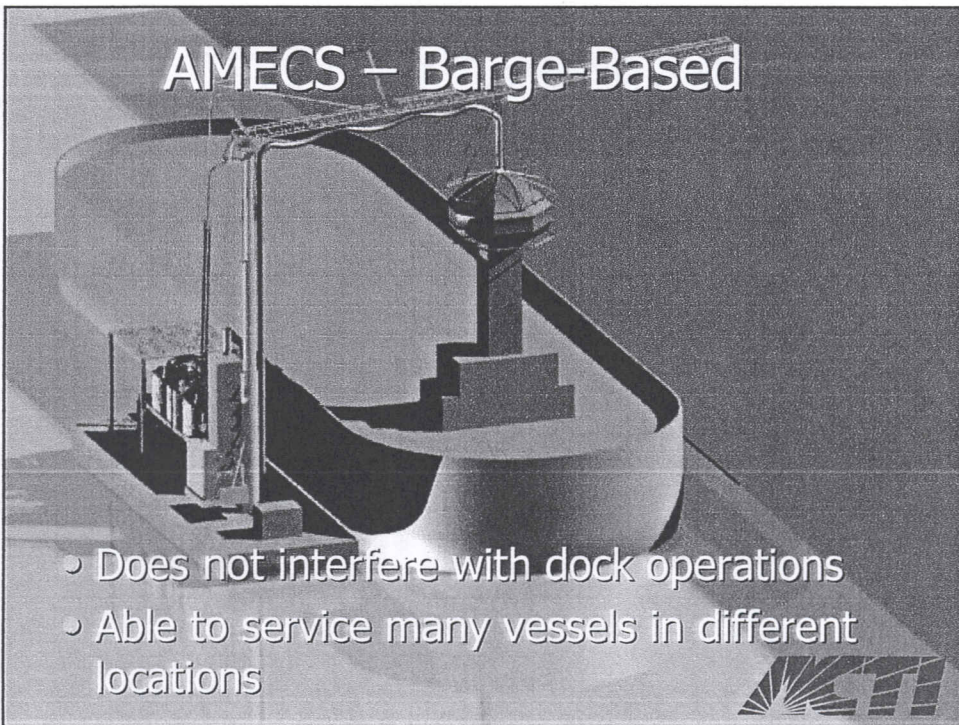


Dock-Based AMECS



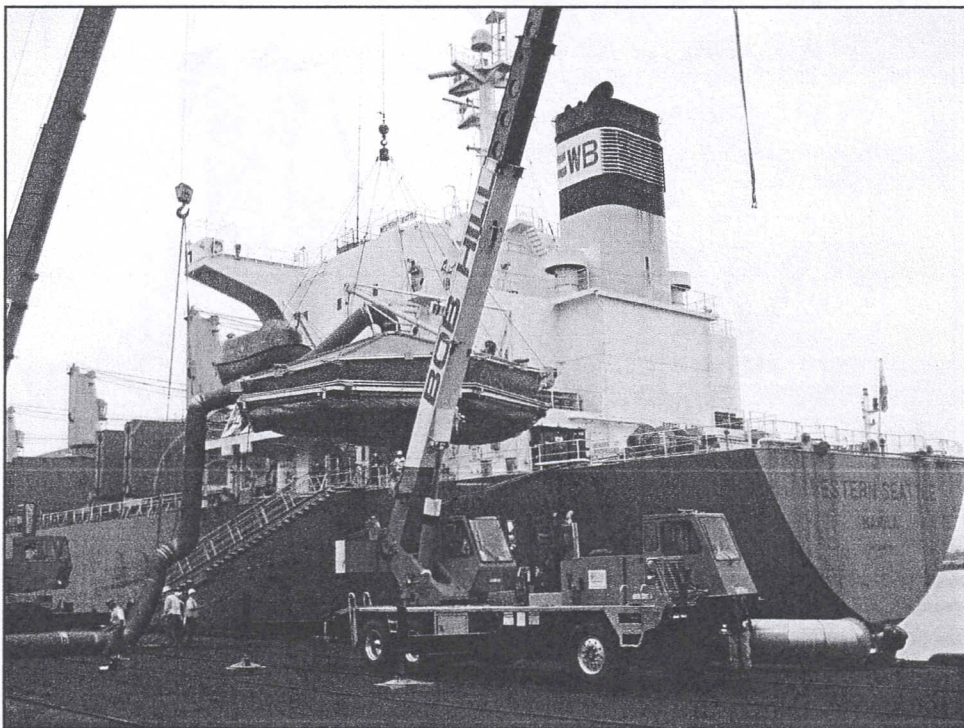
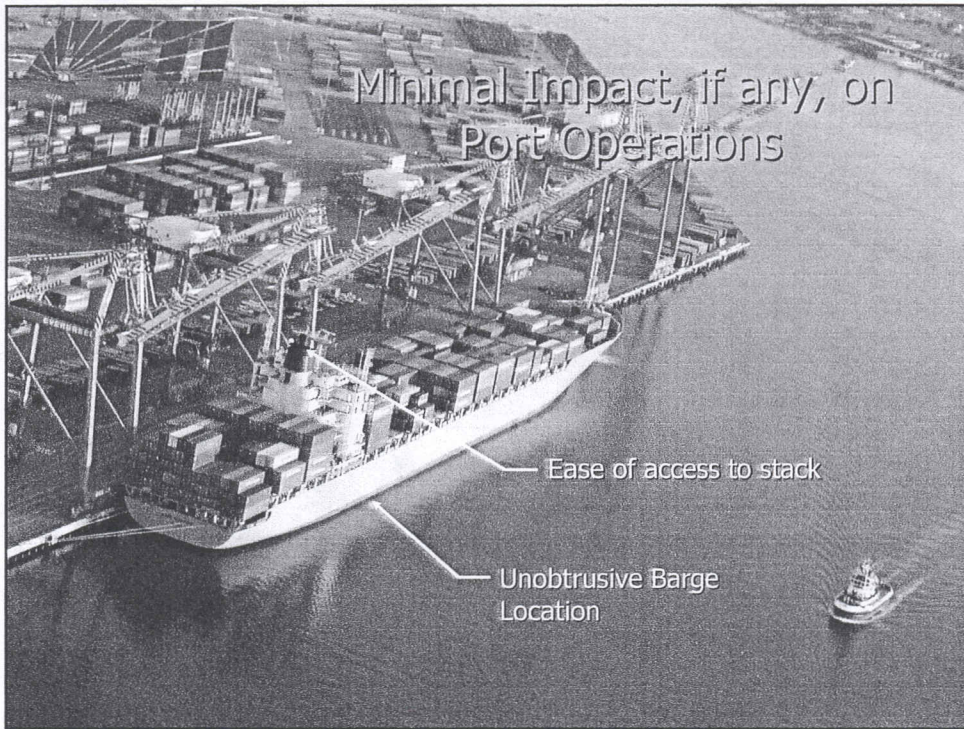


AMECS – Barge-Based

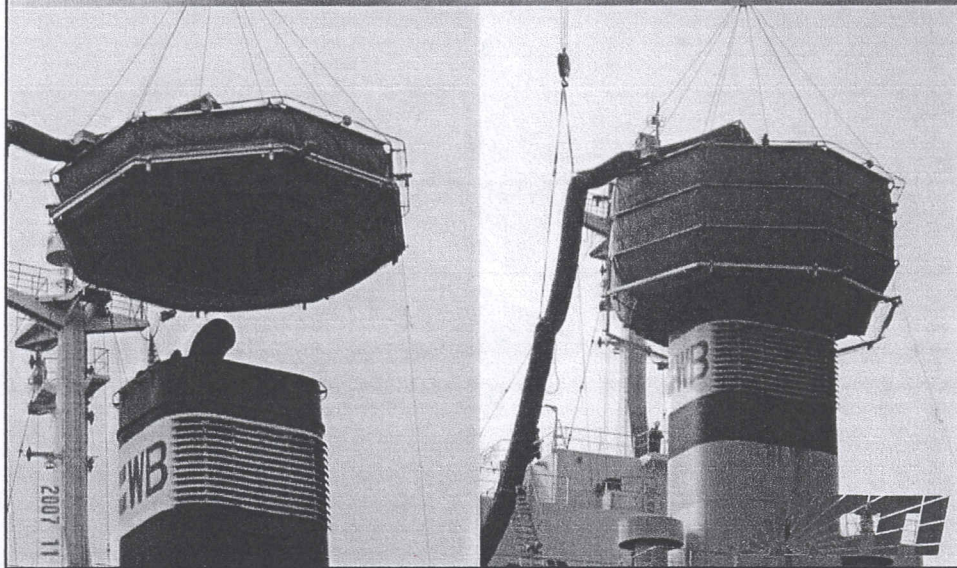


- Does not interfere with dock operations
- Able to service many vessels in different locations

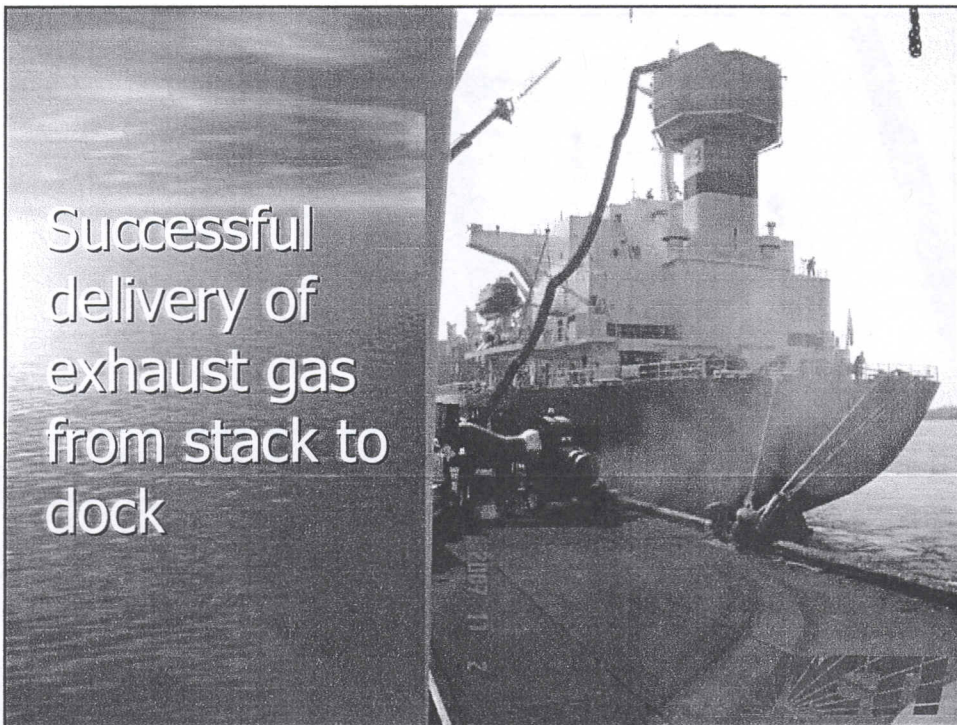




Bonnet Attachment



Successful
delivery of
exhaust gas
from stack to
dock





Advanced Maritime Emissions Control System (AMECS®)

Advantages:

- No ship modification required
- 90% of ships arriving at LA/LB come less than three times per year
- Major Reduction of Pollutants while ships are berthed or at anchorage.
- Provides a Cost-Effective alternative to shore power/cold ironing.
- Removes boiler's emissions
- Can be implemented quickly



Test Results

- Partnered with CARB, US-EPA, Placer APCD, SCAQMD, Sacramento Metro AQMD, Roseville, UPR and obtained successful testing of the AMECS/ALECS treatment system
- Test Results on Union Pacific locomotives at Roseville, CA. in Aug.-Sept. 2006 :-
Reduction: **97.8%** NO_x; **97.3%** SO_x; **92.1%** PM;
feeding 0.05% Sulfur Diesel
- Cost Effectiveness
 - \$12,000/ton pollutants reduced - 10 yrs
 - \$8,900/ton pollutants reduced - 20 yrs



Steps Taken

- Demos of ETS and Bonnet completed
- Gained Support from Terminal Operator
- CEQA permit approved; POLB
- Permit to construct approved; SCAQMD
- Test of Integrated AMECS: May 2008
- SCAQMD & CARB Approved Test Protocol
- POLB, POLA and SCAQMD will fund test
- CARB will approve AMECS after successful test



Options for AMECS Service

- 10 year lease of AMECS systems
- Customer purchases AMECS systems
- Alliance purchases AMECS Systems
- Customer leases AMECS system per day
- ACTI operates AMECS systems



Potential Benefits from AMECS

- Financial Incentives from POLB/LA
 - Potential Reduction in Port Fees
 - Changes in Lease Agreements
- Dollars from Emission Reduction Credits
 - Voluntary Reduction in NO_x, PM and SO_x

Other Prospects

- Bay Area Ports
- Port of Stockton
- Texas Comm. Environ. Quality
 - Port of Houston
 - Port of Freeport
 - Port of Galveston
 - Port of Corpus Christi
 - UP Dallas Rail Yard (ALECS)
- Port of Virginia
- Port of New York / New Jersey
- Union Pacific (ALECS)
- BNSF (ALECS)



Questions & Answers

Advanced Cleanup Technologies Inc.

Matt Stewart – Exec. VP

18414 South Santa Fe Avenue
Rancho Dominguez, California 90221-5612
310 763-1423