

# Specialty Oil Refinery Stepwise Modernization



**Solution Partner:** Western States Controls Martinez, CA USA  
**Customer:** Speciality Oil Refinery, California  
**Segment:** Speciality Chemical Process

Improving Performance for a Specialty Oil Refinery by modernizing to PCS 7 from APACS+ OS

## Contact:

815 Arnold Drive  
Suite 118  
Martinez, CA 94553 USA

Phone: (925) 370-1500  
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## Founding year:

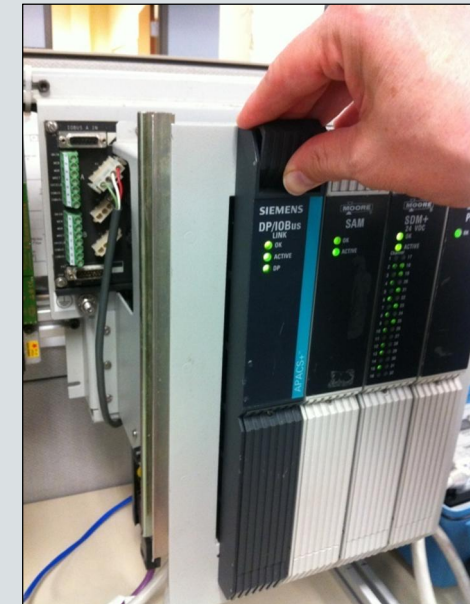
1996

## Employees:

28

## Requirements of the customer:

- Company treats medium sweet charge oil to produce specialty lube oils
- Modernize the automation system to improve automation system capacity, reliability and performance
- Minimize downtime during the transition and utilize existing assets if possible
- Manage costs



Solution  
Partner

SIEMENS

Automation

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## Implementation by the Solution Partner:

- APACS+ DP/IOBUS controller migrations for two process areas from peer-to-peer redundant APACS+ ACMs to PCS 7 AS417H controllers with no hardware changes to the installed APACS IO
- Collaboration with Siemens who did the bulk engineering migration of the APACS+ 4-mation to PCS 7 and Western States completed the project adding the custom logic and complete system test
- Update HMI block icons from APACS+ OS style to PCS 7 APL style



## Benefits for the customer:

- Are able to migrate other process areas over time as PCS 7 support dual leg architecture with APACS+
- Operators have a familiar navigation from APACS+ OS HMI to PCS 7 OS APL which minimizes training
- One day hardware cutover as no IO was moved
- Improved asset management, system capacity, expansion capabilities and functionality with transition to PCS 7

