



Strategic Management and Automation of Refinery Offsite Operations

Presenter

**Dr. Suresh S. Agrawal
President**

Offsite Management Systems LLC

**Sugar Land, Texas, USA
www.globaloms.com
s.agrawal@globaloms.com**

**February 19, 2015
10-11 CST**

OMS-W03 Strategic Management and Automation of Refinery Offsite Operations

Table of Content

- 1-Webinar Title
- 2-Webinar Format
- 3-About Offsite Management Systems LLC
- 4-Speaker's Profile
- 5-Webinar Objectives
- 6-What do we get from a barrel of Oil
- 7-What are Offsite Operations
- 8-Integration of Offsite and Onsite Operations
- 9-Business Challenges of Offsite Operations
- 10-Components of Offsite Operations
- 11-It has Large Numbers of Equipment
- 12-Magnitude of Offsite Activities
- 13-Terminal Operations
- 14-Challenge Severity Matrix of Terminal Operations
- 15-Challenges of Terminal Operations
- 16-Types of Crude Blending
- 17-Pipeline to Tank Crude Blending
- 18-Feedforward and Feedback Integration of Crude Blending
- 19-Challenges of Crude Feeds
- 20-In-plant Material Movement
- 21-Inter-tank Transfer Activities
- 22-Automation Level of Material Movement
- 23-Challenges of Material Movements
- 24-Tank Farm Operations
- 25-Steps to Determine Tank Inventory
- 26-Challenges of Tank Farm Operations
- 27-Product Blending Operation
- 28-Modes of Blending Operations
- 29-Types of Blending Configuration
- 30-Blending Challenges
- 31-Run-down Inline Open loop Diesel Blender
- 32-Run-down Inline Open loop Kero Blender
- 33-Run-down Inline Open and Close loop Gasoline Blender
- 34-In-line Closed loop Gasoline Blending System
- 35-Feedforward and Feedback Integration of Blend Control
- 36-Economical Benefits of in-line Blending
- 37-All Offsite Operations and Hydrocarbon Management
- 38-ROI vs Implementation for a Blending Automation
- 39-Cost and benefits of Offsite Automation
- 40-Automation Strategy for the Offsite Operations
- 41-Summary