

# Solutions for Refining

*North American refining capacity is highly concentrated, exacerbating supply-demand- imbalance driven price volatility. According to the annual NPRA report, as of January 1, 2008, the total U.S. crude oil refining capacity was 17,600,000 barrels per day. The top 17 refining companies in the United States produce an astounding 84% of the country's total. When product margins improve, the big producers all rush to capture short-term profits and, in so doing, drive margins down again. Given the current economic outlook, competitiveness and profitability in refining will depend on efficiency for the foreseeable future.*

Refinery benchmark surveys show that most refineries can improve their profitability by hundreds of millions of dollars per year. Inventory carrying costs, parts cost, lost production and turnarounds can all be improved by breaking down traditional functional silos and implementing a condition-driven maintenance model. Each dollar saved contributes to profitability and protects the refinery from volatility in product margins. Indeed, with refining margins likely to remain low for the next several years, this opportunity needs immediate attention.

According to Business Monitor International, Oil and Gas Insight “The biggest issue facing the oil market is one of inventories. Historically, there has been a close correlation between stock levels and prices, as the inventory trend is the most accurate fundamental guide to the health of the oil market. Stocks in 2009 have reached alarming levels – but prices have so far failed to respond in the expected manner. Without an early drawdown of crude and products inventories, the risk will persist that prices could fall sharply.”

Emerson’s approach breaks down the silos typically found in the refining industry. We implement ISO 14224 compliant programs, ensuring that asset health information is not trapped in a functional silo. Irrespective of whether the information originates in operations, maintenance, engineering, marketing or environment, health and safety, this information is available to drive asset optimization decisions.

Build a tailored solution based on your goals, business objectives, and budget, from design through implementation. We work with you to create your personalized Reliability Roadmap™ and a team of consultants, project managers, field engineers, materials, and training specialists work together to accelerate your results.

Our experts are seasoned professionals with a combined average of 30 years of consulting experience. Most are also Certified Maintenance and Reliability Professionals (CMRP), a certification accredited through Society of Maintenance and Reliability Professionals (SMRP), with hands-on plant experience and the know-how to help you achieve your goals.



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