

Challenges

In 2004, Lyondell wanted to find a way to capture, track and integrate field data with data from other sources for intelligent asset management. The company's desire was to upgrade its Corpus Christi, Texas olefins plant and leverage new technologies to achieve this goal.

Lyondell defined various project goals in looking for an appropriate solution including:

- Replace existing paper reading sheets with new electronic spreadsheets in all five plant areas
- Add static data from the field to existing spreadsheets containing live DCS information
- Provide outside operating procedures as needed
- Build help pages to provide operator guidance
- Install RFID tags on all major pieces of equipment

"We needed an integrated solution of both hardware and software products to help arm our field personnel with the right mobilized equipment to ensure accurate collection and analysis of data," said Gerald Bru, Senior Control Systems Specialist, Lyondell.

Solution

Lyondell has been a Honeywell customer for several years and has a Honeywell DCS that it has relied on for the past 15 years. "Although we did our diligence and tested other vendors, we were more satisfied with Honeywell, who once again surpassed our expectations," said Bru.

Lyondell implemented Honeywell's IntelTrac PKS system for field data collection and intelligent asset management, enabling its users to integrate field data with data from multiple sources, including production, process control and work management systems. Field operators were armed with tools for the accurate capture, collection and use of time-critical data through the use of ruggedized computers, RFID tags and other peripheral devices, such as temperature guns, vibration probes and NDT testing devices.

"It is evident that we chose the right solution provider based on the excellent workmanship and service and support they provide," continued Bru. "We've been able to outfit our field personnel with the capabilities of an advanced mobile system that enables them to perform their jobs onsite with accurate data, saving both time and money, but nothing demonstrates dedication like picking up the phone at 2 a.m. for a field call and Honeywell is right by your side."

*IntelTrac is a registered trademark of the SAT Corporation.

More Information

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