

PeroxyThai Selects Experion to Update its Automation System



“Honeywell was able to meet our needs in terms of product quality and capabilities, delivery and service and support. They had the people with the expertise to provide the support we needed for a rapid three-day upgrade from the Fisher PROVOX system to Honeywell’s Experion PKS, proving their hard work, great teamwork and total commitment.”

Dr. Sombat Pyharnvichitnooch, Plant Manager, PeroxyThai

Benefits

When PeroxyThai realized it had to upgrade its legacy PROVOX control system, it turned to Honeywell’s Experion® Process Knowledge System (PKS). Experion demonstrated the flexibility and reliability of a proven control system that helped satisfy a return on investment based on opportunity cost. Honeywell met the demand for local support and services, and provided the following additional benefits:

- Risk minimized by quick cutover to new system
- Project delivered on time and on budget, and installed seamlessly within just three days
- Zero errors minimized inconvenience for operations to switch over to new system
- Upgrade to PC control system required less time and training
- Flexibility of system enabled links to various applications dependent on process needs at hand
- Localized technical support provided onsite engineering services and team environment for project execution
- Plant performance improved through increased productivity
- Access to plant information improved through better operator interfaces



PeroxyThai upgraded the technology at its chemicals facility with Experion PKS.

Background

Established in 1989, PeroxyThai is a leading producer and supplier of peroxygen chemicals with manufacturing facilities at Rayong and a head office in Bangkok. The company produces hydrogen peroxide for use mainly in the pulp and paper industry with export sales of 40 percent and in-country sales of 60 percent, producing more than 20,000 tons/year.

PeroxyThai is a division of Solvay Group, a global chemical and pharmaceutical company with headquarters in Brussels. It employs some 30,000 people in 50 countries. In 2005 its consolidated sales were EUR 8.6 billion generated by its three activity sectors: chemicals, plastics and pharmaceuticals.

Challenge

In early 2005, PeroxyThai looked to upgrade its control system but required absolutely no loss in production. The company needed a technology upgrade from its outdated Fisher PROVOX system, as well as localized service and support from a committed partner.

“Once we made the decision to upgrade our system, we then faced a variety of other challenges to confirm that this update would be reliable and that the cutover would be seamless and completed in a mere three days,” said Dr. Sombat Pyharnvichitnooch, Plant Manager, PeroxyThai. “We were ready to move to the next-generation technology and found that our old system was really being pieced together with obsolete spare parts.”

Solution

When PeroxyThai recognized that it had to change its outdated control system, it found that Honeywell provided the needed expertise, proven technology and localized service and support.

Furthermore, Honeywell's unparalleled track record in providing customers with investment protection gave the plant confidence in the decision to go with Honeywell. Honeywell customers can easily upgrade to the latest in control system technology without having to scrap their legacy hardware and software.

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More Information

For more information about Experion and Honeywell migration solutions, visit www.honeywell.com/ps or contact your Honeywell account manager.

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The cutover to the new system, completed in two phases, comprised the following components: extraction of the existing system information, Experion hardware and software engineering, new graphics display, training, and localized testing and site work.

“Honeywell was able to accomplish the system upgrade within our three-day shutdown without affecting our existing system and within our budget parameters and onsite engineering support needed,” continued Dr. Pyharnvichitnooch.

PeroxyThai was so impressed with the new Experion system that it looks to have the experience replicated. “We appreciate the Honeywell team and are so confident with the system and this project team that we expect similar success in ongoing phases and future jobs,” said Dr. Pyharnvichitnooch.