



RFID technology enables efficient use of assets in gas cylinder industry

[03/25/10]

UPM Raflatac and Technology Solution Partners LLC have jointly developed a curved UHF RFID tag as part

of a gas cylinder tracking and production solution called Trakaid CyTrack. The solution interfaces UPM Raflatac Belt RFID tags equipped with NXP's U-Code G2XM chips with a four part application comprising tracking, interface, mobile and synchronization systems.

The solution seamlessly integrates the production, warehousing and distribution processes. Each gas cylinder is tagged, and data from the tags is automatically read and entered into the system. This leaves no room for data entry errors due to illegible handwriting, poor readability, transcription or transposition.

Trakaid CyTrack was first implemented at Kay Nitro, a manufacturer and supplier of industrial gases including medical oxygen and nitrogen in Maharashtra, India. The company uses the solution to manage cylinder movement during receipt, filling and issue in order to reduce operating costs and improve productivity by automating data entry. This automation

improves overall accuracy, allows an efficient use of assets, enables a faster turnaround of inventory, increases employee and customer safety, reduces cylinder loss and enhances the customer experience.

"The RFID solution helps Kay Nitro improve the visibility of the cylinders' operational cycle and improve customer-facing processes while reducing untraceable assets," says Yogendra Chaudhary, Manager of Kay Nitro. "We use RFID technology to shorten the production and turnaround time for cylinders to remove costs and down time from our processes. This also results in improved safety, which shows directly on our bottom line." Kay Nitro implemented the RFID solution into its normal operating processes without any disruptions.

The benefits of an RFID implementation to the gas cylinder industry are measurable. Cylinders represent a highly valuable investment, and productivity is closely tied to how well these assets are managed. Overall, the average increase in productivity from receiving to shipping is 30%.

About UPM Raflatac

UPM Raflatac, part of UPM's Engineered Materials business group, is one of the world's leading suppliers of self-adhesive label materials and the world's number one producer of HF and UHF RFID tags and inlays. UPM Raflatac has a global service network consisting of 13 factories on five continents and a broad network of sales offices and slitting and distribution terminals worldwide. UPM Raflatac employs 2,600 people and made sales of approximately EUR 0.95 billion (USD 1.3 billion) in 2009. Further information is available at www.upmrfid.com.

About Technology Solution Partners

Technology Solution Partners LLC is a developer of RFID-enabled solutions based on EPC Gen 2 global open standards, and focuses on providing customers the full advantage of RFID technology in a way that is simple to use at the best value. TSP's systems help companies use RFID technology to streamline operational and customer-facing processes, which translates into higher revenues and healthier margins. The company's latest release, the Trakaid CyTrack system, enables industrial gas manufacturers and their integration partners to deploy an RFID-powered system that integrates easily with the manufacturer's existing tracking system in a cost-effective manner. TSP has been an RFID solution developer since 2006. For more information, please visit www.trakaid.com.

About Kay Nitroxigen

Kay Nitroxigen P Ltd, located in Maharashtra, India, is an established manufacturer and supplier of industrial medical oxygen and nitrogen gas alongside the trading of allied industrial gases. The company provides different on-demand industrial and medical gases to manufacturers and hospitals. Plants are strategically located to supply gases to nearby

industry. For more information, please visit www.kaybouvet.com.

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