

14th, April, 2004

YRP Ubiquitous Networking Laboratory

Ubiquitous ID Center

IC tag demonstration experiment - jointly conducted by Ubiquitous ID Center and NYK Line in Ohi Logistics Center - succeeds

~ Cargo number management and highly accurate 3D cargo location management in warehouse, achieved ~

YRP Ubiquitous Networking Laboratory (Director: Ken Sakamura, Professor of the University of Tokyo, Chairman of Ubiquitous ID Center) and MTI (Monohakobi Technology Institute : Former NYK Logistics Technology Institute), a wholly-owned subsidiary of NYK Line (Representative: Koji Miyahara, President) jointly conducted an IC tag demonstration experiment in NYK Ohi Logistics Center (operated by Uni-X Corp.)



Since June 2003, experimental plans had been discussed with MTI playing a central role, and an experimental system was built in a corner of a warehouse receiving technological assistance from YRP Ubiquitous Networking Laboratory. In March, this year, a demonstration experiment was conducted and completed successfully.

In the experiment this time, IC tags were attached to pallets used in the warehouse and on the warehouse floor, and management of the numbers of cargos on the pallets and highly accurate 3-D cargo location management in the warehouse was achieved. In this experiment system, ucodes or the Ubiquitous ID Center's standardized codes, T-Engine computers that do not have automatically operated components, and laser barcode scanner-installed ubiquitous communicators developed by YRP Ubiquitous Networking Laboratory, etc. were utilized.

A system for only a part of the functions for warehouse operations was made this time, but further system improvements and experiments in the future will enable more advanced warehouse management systems. Utilizing IC tags in supply chains on the assumption that IC tags are attached to every single cargo will also be investigated in the future.

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