



MULTOS Case Study

Hitachi Employee ID on MULTOS

Electronics giant Hitachi Ltd., has launched a new employee ID system that uses MULTOS smart cards, allowing employees to use Mondex electronic cash with 3 merchants and 80 vending machines.



The new system, using a hybrid card containing both contact (MULTOS) and non-contact (MIFARE) integrated chips was introduced to Hitachi on February 1, 2000. The smart card ID, developed in co-operation with the Mondex Promotion Association in Japan (MXJ), will be issued to approximately 100,000 Hitachi Group employees by the end of 2000, expanding to approximately 300,000 in 2001.



The Role of each company involved



- **Project administration:** MPA Japan, JCB Ltd., The Sanwa Bank Ltd., MasterCard International
- **Originator:** The Sanwa Bank Ltd.
- **Card manufacturer:** Dai Nippon Printing Co., Ltd.
- **Acquirer:** JCB Co., Ltd.

Purpose of the implementation

- Integration of employee ID and integration and automation of issuance and administration.
- Management of employees based on company-wide directory (create standard environment for identifying individuals).
- Improve administrative efficiency through outsourcing of payment settlement (using credit).
- Use of e-money (Mondex) at in-house kiosks and vending machines.
- Enhancement of security controlling building and room access.



Advantages of implementation:

For employees:

- Efficient access to applications
- Cash-free environment within building
- Speedy administrative processing

For the company:

- Highly secure identification of individuals
- Management of access to buildings and information
- Cost reductions through reduced settlement processing and cash handling
- Use of credit cards and Mondex

For further information on Hitachi and other MULTOS rollouts around the world, contact info@multos.com