



Success Story A Fortune 500 Japan-based Telecom Company

Pushpin

The Challenge

- Depict applicability of embedded sensor networks using Pushpin technology
- Depict the applicability of algorithm using distributed computing
- Depict the applications of embedded sensor network based on BerthaOS

The Solution

Pushpin computing is hardware and software platform primarily used for distributed sensor networks.

Network Programs developed a prototype to demonstrate distributed computing of Pushpin technology. The application is self-configurable, decentralized and performs the localized operation.

The Network Programs team also developed a demo application utilizing the Pushpin computing technology to evaluate the Pushpin hardware and software components.

Benefits

- ◆ The user is able to port distributed embedded sensor network using infrared communication
- ◆ The user can place this type of embedded sensor network in areas of non-accessibility
- ◆ This type of network is self-configurable

Features

- Timer notice board application that demonstrates the LED and timer control functionality
- Binary add communication application that demonstrates the computational and IRDA functionality
- Temperature-based alarm application demonstrates the internal temperature sensor functionality