

CASE STUDY 3:

Connected personalised spaces project

Customer:

A large telecom products and services company

Project description:

This solution answers the challenge of allocating office space optimally by facilitating the reservation of desks/cubicles, office floor space distribution, as well as personalizing the office space as per the employee's preferences. The dynamic allocation of seats based on reservations leads to higher utilization and reduces the effective per employee cost of corporate real estate on an ongoing basis. Reservations that are based on users' preferences of location and workplace personalization lead to a positive employee experience and hence adoption. The solution builds on our client's leadership in unified communication, digital signage and media technology along with the ability to integrate with diverse building systems. The solution also provides facility managers increased visibility into how corporate real estate is being utilized so they can keep a check on an ongoing basis.

Solutions provided by the product:

The Connected Personalized Spaces Solution combines unified communication, web technologies, digital signage and integrated network architecture, built on a platform that can efficiently add new personalization elements:

- Connected Personalized Spaces Application: This is a web-based application using which users can reserve a workplace on a one time or recurring basis as per their preference. The application will be made available on mobiles and kiosks as well.
- Unified Communication: End users can check in into their desks/offices using IP phone interfaces with building systems (HVAC, lighting, blinds etc.) through a building gateway to allow the user to control his environment.
- Digital media player and signage: The product has a robust, configurable and remotely manageable digital media player and also works as a personal signage display, which shows user's pictures, calendar, RSS feeds, etc.
- Unified Computing Server: This product has internal third party software components in the solution, run on UCS.

Features:

- It provides reservation and a check-in facility
- It allows personalization and is portable
- It features Personal Space Resource Management from IP Phone
- It gives a high level of assurance
- It helps effective administration
- It has sound reporting functionality
- It is an internationalized application

The architecture for the Connected Personalized Spaces integrates collaboration and digital media to deliver a comprehensive set of features in the areas of reservation, check-in, personalization and administration. The solution is flexible and extensible and allows for varying degrees of personalization as suitable for the customer.

Technologies used:

- J2EE
- Java
- Struts 1.3
- Hibernate 3
- Spring
- HTML/CSS/JavaScript
- JQuery Mobile
- PhoneGap

Benefits for the client:

The most important benefit of using this product is that it enables corporates to save real estate costs while enhancing employee productivity and comfort. It provides the following benefits to the customers:

- It lowers real estate costs per employee through improved utilization of cubicle and cabin space by enabling reservation
- It allows personalization of digital profiles
- It enhances experience through the ability to manage room resources (HVAC, Lights, Blinds, A/V) through an IP phone
- It enhances room environment experience through personalization
- It gives a better visibility into space utilization for continuous optimization
- It provides a single window for administration of rooms across enterprise locations