



## *iBus//Mobile* *Success Story shorts*

### **iBus//Mobile – messaging without wires**

Softwired's iBus//Mobile is industry's only 100% Wireless JMS solution. It provides a versatile *gateway* between mobile devices and Java applications running in the J2EE environment. iBus//Mobile runs on various platforms (Palm, Symbian, Windows CE, Windows 98 | ME | NT | 2000, Linux, Solaris, etc.) and also supports various communication bearers (SMS, WAP, GRPS, UMTS, TCP, HTTP, e-mail, etc.). It is designed for connecting a variety of mobile devices, programmable as well as non-programmable, to server-side Java applications. The server applications can be either standalone Java applications or Enterprise Java Beans (EJB) components running under the control of an application server. iBus//Mobile is a pure software solution based on the Java Message Service (JMS) and on the XML standards.

### **Solution examples**

The following short success stories are examples of how Softwired customers and partners have applied iBus//Mobile to their business needs, outlining the challenges faced and the benefits enjoyed.



Atraxis, a fully owned subsidiary of the Swissair Group, is committed to take customer service applications to the mobile device. To do this requires seamless integration by Atraxis of its backend applications into a fully scalable distributed system extending to the customer's pocket device. Atraxis has a leading position in the use of Internet technology such as their online check in facility. This Java based application is available for Qualiflyer frequent flyer customers with a confirmed booking and carry-on baggage only and allows them to check in 24 hours in advance via the Internet.

#### **The Challenge:**

Atraxis is taking the next step to deliver information relevant to their clients anytime and any place. To do this they need to develop innovative, next generation solutions.

#### **The Solution:**

A major innovation of Atraxis is axSExpert, an automated business solution product-line encompassing a set of

products and modules for various business fields of the travel industry. The main benefits of axSExpert are:

- reducing manual tasks to a minimum by performing them automatically with consistently high quality
- collecting, preparing and dispatching detailed data for all kinds of data mining activity (e.g. customer care, sales support)
- ensuring revenue optimization

#### **Architecture**

The axSExpert architecture is composed of many JMS abstraction layers between the business applications and the outside world, as well as between the different internal business services. Matteo Frapolli of Atraxis Advanced Services Division: "We looked at all the major JMS vendors and decided for iBus from Softwired primarily because of their ability to meet our needs in terms of product features and technology innovation. We also need the stability and very high performance offered by iBus//MessageBus, which is unique in the JMS field. But as we move forward the iBus//Mobile will play an ever more important role as we provide innovative services to our customers both on the ground and in the air."

Fully prepared for the introduction of 3G technologies, Atraxis are free to focus on their customer-centric policy.

More details: [www.atraxis.com](http://www.atraxis.com) or [www.sairgroup.com](http://www.sairgroup.com)



Expatpol.com is an ethno-centric portal targeted at expatriate Polish persons living in the USA and Canada.

#### **The Challenge:**

The expatriate portal provides uniquely targeted content to members who use the portal's variety of services. The services initially provided include Polish language news, sports, weather, travel etc specifically for Polish-speaking persons.

#### **The Solution:**

Some of the features offered by Hayabooza such as mobile chat, message alerts, buddy lists and global positioning are fundamental to the wireless portal's requirements. Administrative and marketing capabilities such as billing, location and profiling in a secure and reliable manner are also key features that expatpol.com finds compelling from the Softwired product offering. The portal will also incorporate communication features, which include e-mail, chat, forum, and wireless interaction.

#### **Architecture**

To drive the wireless component of the portal's strategy, expatpol.com has used Softwired's iBus//Mobile gateway and Hayabooza mobile framework. Softwired was chosen as it provides a highly scalable solution written in Java and is able to push content onto both non-Java and Java-enabled mobile devices.

More details: [www.expatpol.com](http://www.expatpol.com)



Established in January 1996 as a joint venture of ABB and Daimler-Benz (now DaimlerChrysler), Adtranz is a transportation company specializing in the construction of railway locomotives (amongst other products). Railway companies around the globe employ locomotives produced by Adtranz.

#### **The Challenge:**

Imagine the impact a minor engine fault could have on the outcome of a railway journey – especially if such a fault is not found or occurs between routine inspections! Adtranz were well aware when designing new engine monitoring systems for their locomotives that, despite

regular servicing and careful checks, problems can still occur and such problems can become serious. A minor engine fault can, at best, cause a delay. At worst, it may just cause a serious accident. Only a 100% reliable method of communicating engine status back to a control center during a journey could guarantee that problems are identified before they become a threat. Given the fact that many railway journeys involve tunnels and other barriers to "normal" wireless communications or signaling approaches where a constant connection is required.

#### **The Solution:**

Adtranz found an answer to their need for a reliable communications method in Softwired's iBus//Mobile wireless JMS solution. A number of features contributed to their choice:

- The open carrier support of iBus//Mobile allowed the support of existing communications protocols with the ability to adopt future standards. The Adtranz solution utilizes SMS (via GSM) as a carrier.
- iBus//Mobile is pure Java, enabling it to run on many platforms – this was a must for Adtranz.
- The store-and-forward messaging and customizable Quality of Service (QoS) capabilities of iBus//Mobile ensure that every message sent by the locomotive is guaranteed to arrive at the control center – once, and only once – despite tunnels and other service interruptions.

Faults are reported in a timely manner and service interruptions do not impact the reliability of the reporting. The result is a significant increase in safety and reductions in both regular service costs and the frequency of emergency repairs.

#### **Architecture**

The Adtranz solution runs within a Java runtime environment inside the systems supported on Adtranz locomotives.

More details: [www.abb.com](http://www.abb.com)

#### **Contact Information**

Softwired Inc.

[www.softwired-inc.com](http://www.softwired-inc.com), [info@softwired-inc.com](mailto:info@softwired-inc.com)

Phone +41 1 445 23 70, fax +41 1 445 23 72

Technoparkstrasse 1, 8005 Zurich, SWITZERLAND

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