

**February 22, 2006**

**PSINAPTIC Inc. Announces JMatos® for Devices Running Java 2 Platform, Micro Edition (J2ME™)**

CALGARY, AB PsiNaptic Inc. (TSX-VN : PST) the first company to implement standalone Jini™ Network Technology for embedded processors, announced today the availability of JMatos for devices running J2ME.

According to Sun Microsystems, Java technology is showing explosive growth with approximately 2.5 billion Java enabled devices appearing in volume everywhere - even in places never expected. Mobile phones and hand-held Java-enabled devices are currently outstripping PC volumes, with more than 708 million devices estimated to be in use by June 2005, and over 1.5 billion in prospect by 2008, according to Ovum forecasts.

Consumers are using these devices for communication, games, navigation, music, video, payment, medical records, home applications and so on.

Despite explosive adoption rates of Java and ease of application development, these mobile, multifunctional devices are presently limited in the manner in which they can interact with each other. For example – in order for a mobile phone to interact with a Point of Sale machine, both devices need to have make, model, version level application software pre-installed on both devices.

JMatos software, at less than 100KB, eliminates the need for both devices to have pre-installed application specific software, drivers or graphical user interfaces. Instead, JMatos uses the Java concept of “write once, run anywhere” and code mobility to deliver application code to devices when and where the code is required.

JMatos offers powerful and unique elements:

1- A software ‘container’ where devices register services to be found by other devices. In the example above, the mobile phone can register its e-payment service in JMatos (running on the phone).

2- Code Mobility - as client devices require services or applications, the code is obtained from JMatos and executed on the client device. In the example above, when the mobile phone comes into proximity of a Point of Sale machine, it can offer its e-payment service to the Point of Sale machine. The Point of Sale machine uses this Java code and allows payment.

3- Automatic software removal – when there is no longer a connection between the devices, the software which was moved to the client device is removed. This ‘auto clean up’ feature is very important for resource constrained devices.

Neither the mobile phone nor the Point of Sale machine required application specific software in order to interact. The two devices are able to advertise, find and use each others services in an autonomous manner, by moving software containing intrinsic information about each other’s attributes, behaviour and services.

This allows users to go about their daily life routine, moving from environment to environment with their multifunctional, mobile devices, offering and/or consuming services when and where needed, without having pre-installed all the different application software drivers for the devices they will encounter, significantly simplifying the user experience. Other examples are:

- an MP3 player dynamically discovering and connecting with a vehicle or home sound system;
- intelligent home appliances interacting with the electric grid to conserve energy;
- medical devices used for monitoring patients connecting to existing wireless telephone networks to decrease medical costs and save lives.

Software application developers and Original Equipment Manufacturers can implement distributed computing applications on resource constrained devices which can operate on multiple platforms and across various networks. With PsiNaptic small footprint adaptive networking technologies, networks of intelligent objects – from servers to embedded processors and Bluetooth® chips – can dynamically exchange information and services where and when needed, on a single protocol.

JMatos for J2ME devices provides important benefits:

- Allows small, wandering processors to use and exchange services over short distance networks (such as Bluetooth or WiFi) without the overhead of central server solutions.
- Allows applications to be used when and where needed, as opposed to pre-installing all the applications that you MAY want to use. This allows resource constrained devices, such as mobile phones, music/game players, appliances, medical devices etc. to execute an infinite number of applications.
- Drives Service Oriented Architecture (SOA) to small devices.
- Is easily deployed. The devices come with the services, and the code to implement those services.
- Reduces single points of failure by allowing multiple devices to participate in a dynamic federation of devices – meaning, a device can transact with any one of a multiple POS machines.
- Uses the same methodology of SOA at the enterprise level as at an embedded device. This allows clear end-to-end application deployment using a single technology – Jini.
- Allows application providers to leverage a common methodology and language (Java) with a growing developer community (4+ million Java developers).

A Software Development Kit is available for download at [http://www.psinaptic.com/dev\\_community.jsp](http://www.psinaptic.com/dev_community.jsp)

### **About PsiNaptic Inc.**

PsiNaptic is a technology company that develops and markets software based on open standards, to connect small, low-power wired or wireless devices without human intervention, configuration or set up.

PsiNaptic software uses the Java concept of “write once, run anywhere” and code mobility to deliver application code to devices when and where the code is required. This approach to device interaction eliminates the need for both devices to have pre-installed application specific software, drivers or graphical user interfaces. Resource constrained devices, such as mobile phones, music or game players, appliances etc. can execute an infinite number of applications.

PsiNaptic solutions operate on multiple platforms, across various networks including Bluetooth and WiFi.

PsiNaptic Inc.

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