

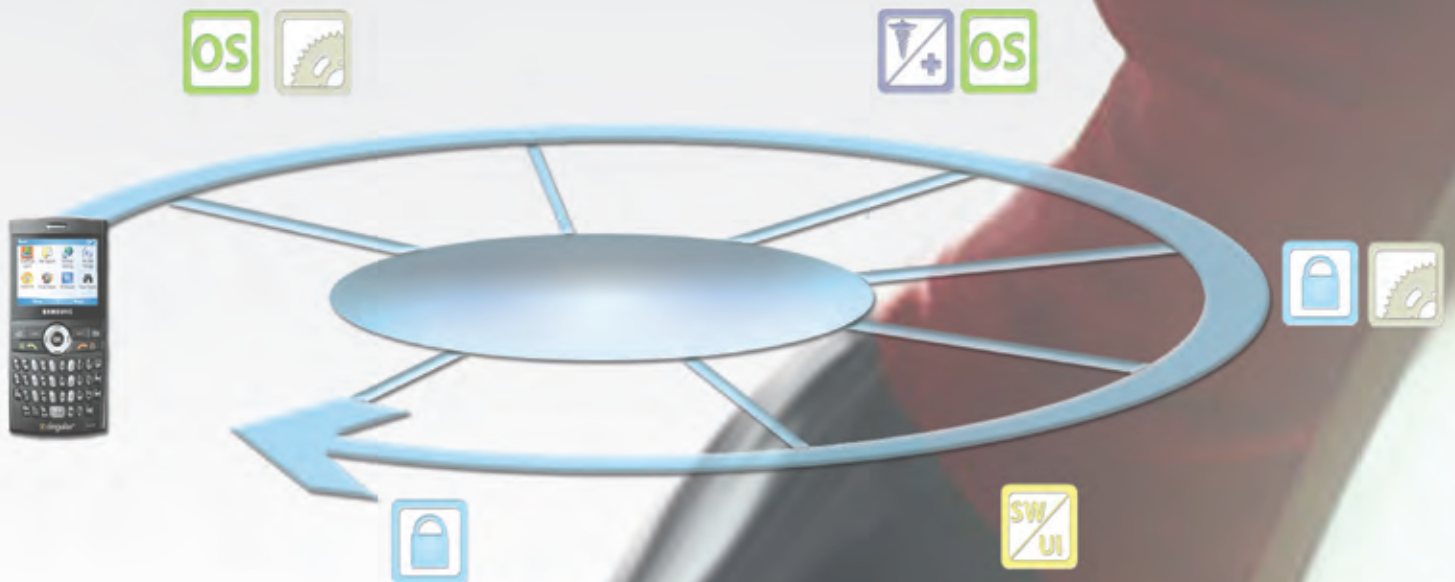
## iMDM Device Suite

### What if...

- ...you could achieve faster time-to-market with new devices?
- ...you could prevent costly and disruptive device recalls?
- ...you could reduce customer service and warranty costs?
- ...you could improve brand loyalty and customer satisfaction?

### You can.

InnoPath's Integrated Mobile Device Management Device Suite provides solutions to these and other challenges, offering device makers and operators a flexible, scalable, easy-to-integrate platform consisting of standards-based server and client. Device makers and network operators alike can appreciate the benefits of a standards based client, while network operators and enterprises can enjoy the benefits of a fully integrated, end-to-end solution.



## InnoPath's iMDM Device Suite

The InnoPath iMDM Device Suite is a standards-based software client that runs on wireless handsets. This client enables Mobile Device Management servers to manage the handset. InnoPath iMDM enabled devices interoperate with InnoPath's iMDM Carrier Suite, as well as any other standards-based MDM server. MDM enables OEMs to:

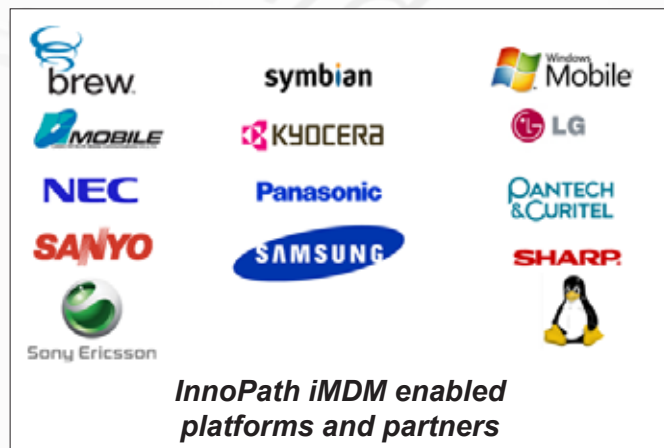
- Achieve faster time-to-market with new devices
- Prevent costly and disruptive device recalls
- Reduce customer service and warranty costs
- Improve brand loyalty and customer satisfaction

InnoPath, unlike many other vendors, offers both an MDM server and an MDM client. When deployed together, they provide an end-to-end full-lifecycle solution for mobile device management. Deployment is fast and cost effective with no additional integration required.

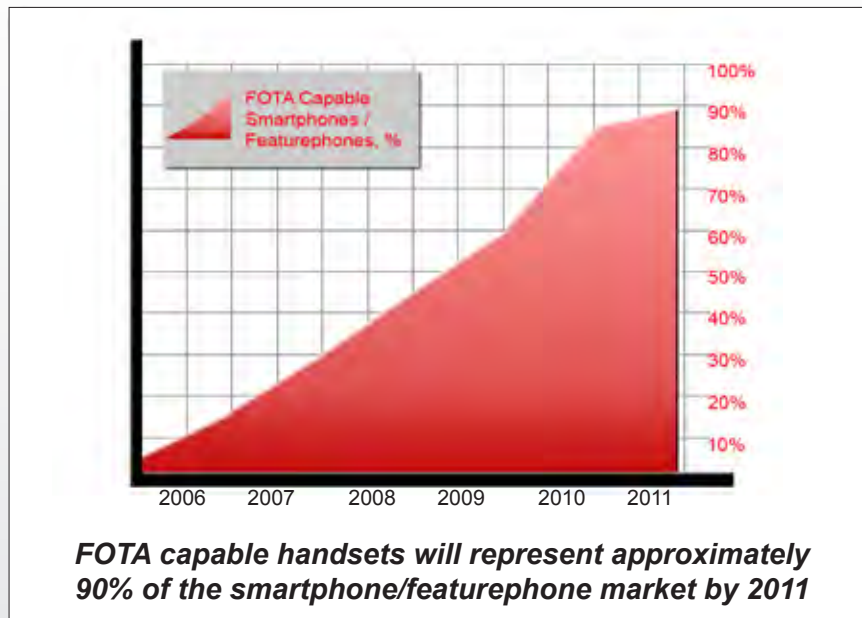
Activation based pricing, zero cost basic client and free client porting are ways that InnoPath helps lower the barriers to entry for device makers who are considering the deployment of an MDM client. When the client is supplied to an OEM, a comprehensive set of porting tools, support, interoperability testing services and development servers goes with it. With extensive experience with MDM deployments in Tier 1 networks, InnoPath is uniquely positioned to help insure successful client deployments.

Deployed on over 100 million handsets across 200+ device models from leading handset vendors such as Kyocera, LG, NEC, Panasonic, Pantech & Curitel, Samsung, Sanyo, Sharp, Sony Ericsson and Toshiba, the InnoPath Device Suite supports many popular platforms including BREW, Linux, Nucleus, REX, Symbian and Windows Mobile.

Standards-based client applications, matched to the server, include firmware management, configuration and diagnostics management, security management, as well as software and UI management.



Application	Advantages	InnoPath Benefits	Features
<b>Firmware Manager</b>	<ul style="list-style-type: none"> <li>• A powerful engine capable of replacing all or any part of the software on an embedded device</li> <li>• New software is delivered over the air (OTA) and can be targeted for individual devices</li> <li>• Coupled with the InnoPath Delta Manager which generates a DIF from a new image</li> <li>• Built around OMA standards (FUMO &amp; OMA DM)</li> </ul>	<ul style="list-style-type: none"> <li>• Accelerates time-to-market for new services and devices</li> <li>• Lowers customer support costs and reduce device recalls</li> <li>• Increases service usage and revenue by proactively addressing firmware issues</li> <li>• Fast, trouble-free upgrades insure uninterrupted service access, increased customer loyalty and reduced churn</li> </ul>	<ul style="list-style-type: none"> <li>• 100% Fault Tolerant &amp; Error Recovery</li> <li>• Installation confirmation including integrity checks</li> <li>• Fail-safe, brings devices to operable state after upgrade/update and handling of typical causes of network or device failure.</li> <li>• Self updating client</li> <li>• Flexible format support</li> <li>• Flash agnostic</li> <li>• Suspend/resume</li> <li>• Package encryption &amp; compression</li> <li>• DIF size/blocks optimized</li> <li>• Multi-step DIF handling</li> <li>• Stable API set</li> </ul>
<b>Configuration and Diagnostics Management</b>	<ul style="list-style-type: none"> <li>• An engine capable of sending data from the handset to the server for analysis as well as changing the configuration settings of the handset</li> <li>• Data is delivered over the air (OTA) and can be sent to a single device or a group of devices</li> <li>• Commonly used to provision applications and services as well as the device itself and diagnose problems</li> </ul>	<p><b>Configuration:</b></p> <ul style="list-style-type: none"> <li>• Enables OEMs to sell more devices with easy support of services</li> <li>• Enables OEMs to provide a better user experience by helping users to avoid manually managing their own application and service settings</li> <li>• Protects customer information by providing a secure method of sending valuable user and device data</li> <li>• Allows carriers to enable and disable features and services as needed</li> <li>• Reduces customer support and activation costs</li> </ul> <p><b>Diagnostics:</b></p> <ul style="list-style-type: none"> <li>• Enable OEMs to provide a better user experience by enabling the carrier to quickly and easily resolve configuration and service issues</li> <li>• Carriers can reduce CSR call handling times by resolving issues faster</li> </ul>	<p><b>Configuration diagnostics:</b></p> <ul style="list-style-type: none"> <li>• Facilitates data gathering for real time diagnostics and repair of customer handset</li> </ul> <p><b>Diagnostic event monitoring:</b></p> <ul style="list-style-type: none"> <li>• Can log complex errors and events and upload to the InnoPath server</li> </ul>
<b>Security Management</b>	<ul style="list-style-type: none"> <li>• A powerful engine capable of protecting a wide variety of user data</li> <li>• Capable of locking and wiping data across the device and providing a large number of additional security functions (e.g. alarms and battery drain)</li> <li>• Supports both OEM and carrier security initiatives</li> <li>• Built around OMA standards (OMA DM)</li> </ul>	<ul style="list-style-type: none"> <li>• Protects valuable user data with a carrier/enterprise grade security engine</li> <li>• OEMs enable a positive consumer product experience by enabling protection of user data</li> <li>• Carriers create stickiness by protecting user data during their hour of need</li> </ul>	<ul style="list-style-type: none"> <li>• Strong authentication with server</li> <li>• Lock</li> <li>• Wipe</li> <li>• Alarms &amp; other key features</li> <li>• Controlled using DM tree</li> <li>• Remove/disable at build and runtime</li> <li>• 911 override</li> </ul>
<b>Software and UI Management</b>	<ul style="list-style-type: none"> <li>• A powerful engine designed to manage the software and UI load on the device</li> <li>• Users and carriers can easily push and pull applications to and from the device while adhering to licensing requirements</li> <li>• Enables the user to manage memory on their device</li> <li>• Applications can be configured following their introduction to the device</li> <li>• Built around OMA standards (OMA DM, SCOMO)</li> </ul>	<ul style="list-style-type: none"> <li>• Creates a "PC-like" experience on a mobile device</li> <li>• OEMs can easily add applications to a device after shipment</li> <li>• OEMs create customer loyalty to their devices by improving ease of use around application deployment</li> <li>• Carriers can create additional points of sale to increase ARPU</li> <li>• UI themes can be sold to drive ARPU</li> <li>• OEMs can create additional UIs to sell after the handset ships (additional revenue)</li> </ul>	<ul style="list-style-type: none"> <li>• Strong authentication with server</li> <li>• Enforces license restrictions and carrier application policies</li> <li>• Portal, device and carrier driven software management</li> <li>• Deploy additional user experiences independent of device architecture</li> <li>• Downloaded applications can be configured using the configuration manager coupled with the software manager</li> <li>• Applications and user experiences can be moved on and off the device repeatedly</li> </ul>



## About InnoPath

InnoPath Software, the leader in Integrated Mobile Device Management (iMDM) solutions, enables wireless carriers and mobile device manufacturers to transparently deliver and support current and future revenue producing services.

InnoPath was the first company to commercially deploy firmware over-the-air mobile device management, and its standards-based iMDM Solutions Suite uniquely permits carriers to combine configuration, diagnostics, security, and application management for lifecycle delivery of services into a single integrated workflow.

Hundreds of millions of active subscribers are experiencing the value of InnoPath patented solutions through leading carriers including AT&T, KDDI, Sprint and Softbank Mobile and device manufacturers including Kyocera, LG, NEC, Panasonic, Pantech & Curitel, Samsung, Sanyo, Sharp, Sony Ericsson and Toshiba.

Headquartered in Sunnyvale, California, InnoPath is privately held with offices in China, Japan, Korea, and Germany.

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