### Persistent Systems' Mobility Services

#### Overview

Persistent brings over a decade of experience in mobility solutions cutting across domains and platforms. We deliver a comprehensive suite of services across the mobility value chain to enable enterprises, ISVs, OEMs and service providers to differentiate, capture value and realize the full potential of mobility. Our leading industry partnerships, engineering expertise, and business thought leadership enable us to develop game changing mobility solutions for our clients. We have deep expertise in enterprise and consumer applications and specialize in developing rich, contextualized, and latency/bandwidth optimized applications across various platforms. Persistent has a holistic understanding of the mobile industry challenges and has made significant investments in developing highly portable frameworks such as Skype framework, STAMP, iPAF and many more, that allow us to deliver applications faster, at lower cost, and with reduced risks.

#### Services Portfolio

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<tr>
<th>Mobility Services</th>
<th>Enterprise Mobility</th>
<th>Usability Engineering</th>
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<tr>
<td>Multi-platform Engineering</td>
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<tr>
<td>Multi-platform application development; reusable building blocks/ components framework</td>
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<td>Mobile application porting</td>
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<td>Creating SDKs / APIs, reference applications</td>
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<td>Device/application testing and certification services</td>
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<td>Mobile commerce/banking</td>
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<td>Mobile social networking</td>
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<td>Mobile advertising</td>
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<td>Location based and context aware solutions</td>
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<td>IT services management applications</td>
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<td>ERP, CRM mobile applications</td>
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<td>Push Email solutions</td>
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<td>Media streaming/live feeds</td>
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<td>Instant unified messaging</td>
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<td>Usability engineering review</td>
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<td>Usability structure definition and design</td>
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<td>Usability walkthroughs, workflow analysis</td>
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<td>User centered conceptual design, graphic design and prototyping</td>
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<td>Usability benchmarking and testing</td>
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<td>Usability test execution</td>
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<th>Middleware Services</th>
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<tr>
<td>Skype Services</td>
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<td>Qt Services</td>
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<td>WebKit Services</td>
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<tr>
<td>Various processor platforms with ARM, MIPS, or x86 cores</td>
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<td>Multiple OS platforms such as Android and Linux</td>
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<td>Diverse device types from smartphone’s, tablets to connected TVs and IP STBs</td>
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<td>Qt application engineering</td>
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<td>Qt system integration services</td>
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<td>Qt customization services</td>
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<td>Qt testing services</td>
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<tr>
<td>Porting WebKit to different platforms (embedded and OS)</td>
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<td>Integration of WebKit into custom products or devices</td>
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<td>Developing WebKit based plug-in</td>
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<td>Performance optimizations</td>
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<td>WebKit customization</td>
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#### Why Persistent?

- Extensive experience in building applications across various categories and publishing them on iPhone Appstore, Blackberry Appworld, Android Marketplace etc.
- Platform Expertise: Android, Brew, iOS, MeeGo, Nokia Qt, RIM, Samsung BADA, Symbian, Windows Mobile, Windows Phone 7
- Expertise in developing enterprise and carrier grade mobile applications
- Customer ROI from Usability Engineering projects range from 80% to nearly 6,000%
- Persistent has its own Skype technology framework
- Specialized Skype porting expertise on Android and Linux
- One of the 16 worldwide partners offering Qt consulting services
- Technology partnerships with platform providers: Forum Nokia, Nokia Qt, Samsung BADA, Skype, Symbian Foundation
**Mobility**

### Embedded Services

- **Android Development on Embedded Systems**
  - Android application development
  - Custom widget development
  - Android kernel level development and porting
  - Launching Android on custom boards
  - Commercialization services
  - Performance fine tuning
  - Testing and validation of the complete Android based solution

- **Embedded Solution Design and development**
  - Customizing U-Boot and device drivers
  - Development and customizing of the board support packages for different platforms
  - Customized kernel/system configuration, performance and boot-time optimization
  - PCB layout and designing
  - Linux porting to new hardware

- **Digital Media Services**
  - TV recording and live pause solutions
  - Streaming video playback
  - On demand media provisioning
  - Developing widgets for media delivery (photo-viewer, weather/news, music etc.)
  - Developing electronic program guide
  - Third party middleware integration

### Consulting & Professional Services

#### Professional Services
- Deployment
- Testing
- Support
- Maintenance
- Performance engineering
- Managed services

#### Consulting Services
- Mobility strategy, technology consulting
- Workshop and training
- ROI calculation

### Why Persistent?

- Expertise across the stack from kernel level development and porting to application development
- Extensive embedded software experience
- Dedicated Embedded Competency Center
- Proficiency across diverse domains: Healthcare, Manufacturing, Electronics, Automobiles, Life Sciences, Telecom
- Expertise on building applications for: Netbooks/Tablets, Connected TVs/ IP- STBs
- Wide experience deploying, integrating, testing, and supporting complex end to end solutions
- Testing Competency Center with 750+ QA professionals
- Technology partnership with Intel

### Persistent’s IP

Persistent has developed ready to use Mobile Application development frameworks.

#### Skype Framework
Facilitates rapid porting of Skype to any embedded platform, enables complete integration with any peripherals including development of a custom GUI.

- Portable across platforms
- Portable across OS – Linux, Android & more
- Ability to connect to different GUIs
- Faster time to develop and market
- Help build universal applications for iPhone and iPad
- Advance reusable components and easy to use third party components
- Lower maintenance costs
- Ease of application branding
- Extendibility to all devices
- Faster time to market - save up to 60% of engineering efforts
- Support latest and upcoming features

#### iPAF Framework
Enables quick development of premium applications for iPhone and iPad

#### STAMP Framework
Enables quick development of premium applications for JAVA enabled phones

### About Persistent Systems

Persistent Systems (BSE & NSE: PERSISTENT) builds software that drives our customers’ business; enterprises and software product companies with software at the core of their digital transformation. For more information, please visit [http://www.persistent.com](http://www.persistent.com)

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