



Reduce development risk by leveraging pre-packaged software and frameworks

Accelerate Femtocell Development and Deployment with Aricent Solutions

Challenges

Collapsing multiple nodes into single smaller form factor and integrating it with existing network infrastructure in the absence of standard interfaces is highly complex, risky and expensive.

Solution

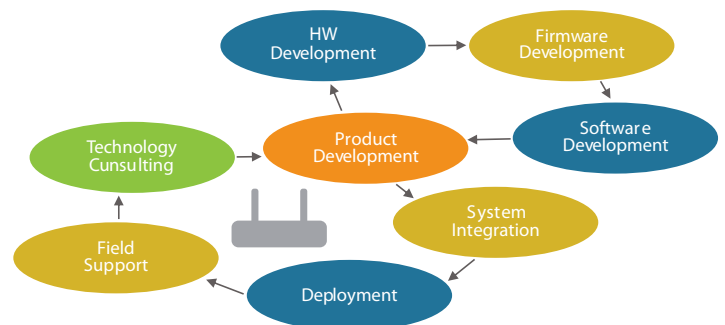
Aricent provides a comprehensive solution that comprises prepackaged software and extensive lifecycle services to enable you to quickly develop and deploy Femtocell solutions.

Benefits

Aricent enables you to rapidly introduce new Femtocell solutions cost effectively without compromising the overall feature depth and product quality.

Developing and Deploying Femtocell is Expensive

Femtocell manufacturers face the daunting task of cost effectively collapsing functionality of multiple nodes into a single small form factor appliance. This requires integrating components from multiple vendors that requires complex interoperability testing which often leads to cost escalation and delay in introducing new products. Service providers face challenges in reducing the cost of deployment and maintenance of the Femtocell network.



Aricent Femtocell Solutions

Aricent has a unique experience of working with the entire Femtocell ecosystem, which includes - working with chipset vendors to develop baseband solutions; developing Femtocell products based on multiple architectures with equipment vendors, and finally working with service providers to deploy solutions for lab trials and commercial services. Aricent through its combination of prepackaged software and frameworks can help reduce the development and deployment cost of Femtocell solutions.

- *Co-developed the world's 1st commercially available Femtocell solution*
- *Co-developed one of the world's 1st WiMAX base stations*
- *Introduced one of the world's 1st LTE eNodeB development suite*
- *Active member of the Femto Forum, 3GPP, and WiMAX Forum*

Prepackaged Software and Frameworks

Aricent has developed a hardware agnostic software framework that supports multiple network interfaces such as IMS/SIP, UMA, and Iuh. Aricent Femtocell reference implementation is pre-integrated with PicoChip's PC202 Femtocell reference board and baseband software. Some of the key elements include performance-optimized software, support for voice and high-speed data; and integrated home router solution.

Product Lifecycle Services

Aricent provides a comprehensive set of product lifecycle services for equipment vendors, silicon vendors and service providers to cost-effectively build and deploy Femtocell solutions quickly. Our extensive services include technical consulting, product development, network integration, testing and deployment.

Product Design and Development: Aricent Femtocell design and development services include defining system architecture and interfaces, platform reengineering, developing and integrating the overall system, software porting and optimization; feature development and enhancements; and end to end testing of the product.

Network Integration: Our network integration services include support for lab trials, early field trials, and integration with both existing and Greenfield networks; and integration with overall IT system.

Testing and Deployment: Aricent Femtocell testing and deployment services include test automation, interoperability testing, system integration, performance and stability testing, and field support.

Features and Benefits

Pre-packaged Software: A fully standards compliant software framework enables you to quickly build Femtocell solutions with reduced risk and lower R&D expenses.

SIP Enabled Femtocell Reference Design: This reference design helps you build a complete IP based system that can be easily integrated with IMS core. It enables you to migrate Iuh based Femtocell to SIP/IMS based Femtocell.

Aricent IPRs for Femtocell: Aricent has a comprehensive set of protocol software and applications providing complete 3G signaling capability and basic call control support. Aricent provides a ready to use reference framework that has an aggressive roadmap to include support for Iuh interface in the future releases.

Ready –to-use Femtocell solution: Aricent provides a ready-to-use Femtocell solution on a given target platform, which includes support for circuit switched voice calls, HSDPA, and other Femtocell functions such as access control and PS traffic local breakout

Aggressive Roadmap to LTE: Aricent Femtocell software currently supports 3G HSPA with an aggressive roadmap to LTE Femtocell reference implementation.

Extensible Software Solutions: Aricent Femtocell reference framework can be expanded to include features such as PS HSDPA support, RRM admission control, RRM resource allocation, and access control and subscriber management.

Aricent Femtocell services are backed by its decades of experience in co-creating wireless network infrastructure solutions for multiple standards such as GSM, GPRS, UMTS, UMA, LTE, and WiMAX. Aricent is an active member of the Femto forum with significant contribution to the technology evolution. With an aggressive roadmap to LTE Femtocell reference implementation, and over 400 engineers dedicated to Femtocell technology, Aricent can help you quickly build and deploy Femtocell solutions.

Next Steps

To learn more about Aricent Femtocell services, contact your sales representative. You can also find more information at www.aricent.com/femtocell.



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