

The Mobile Channel to the Home

NEC Femtocell Solution

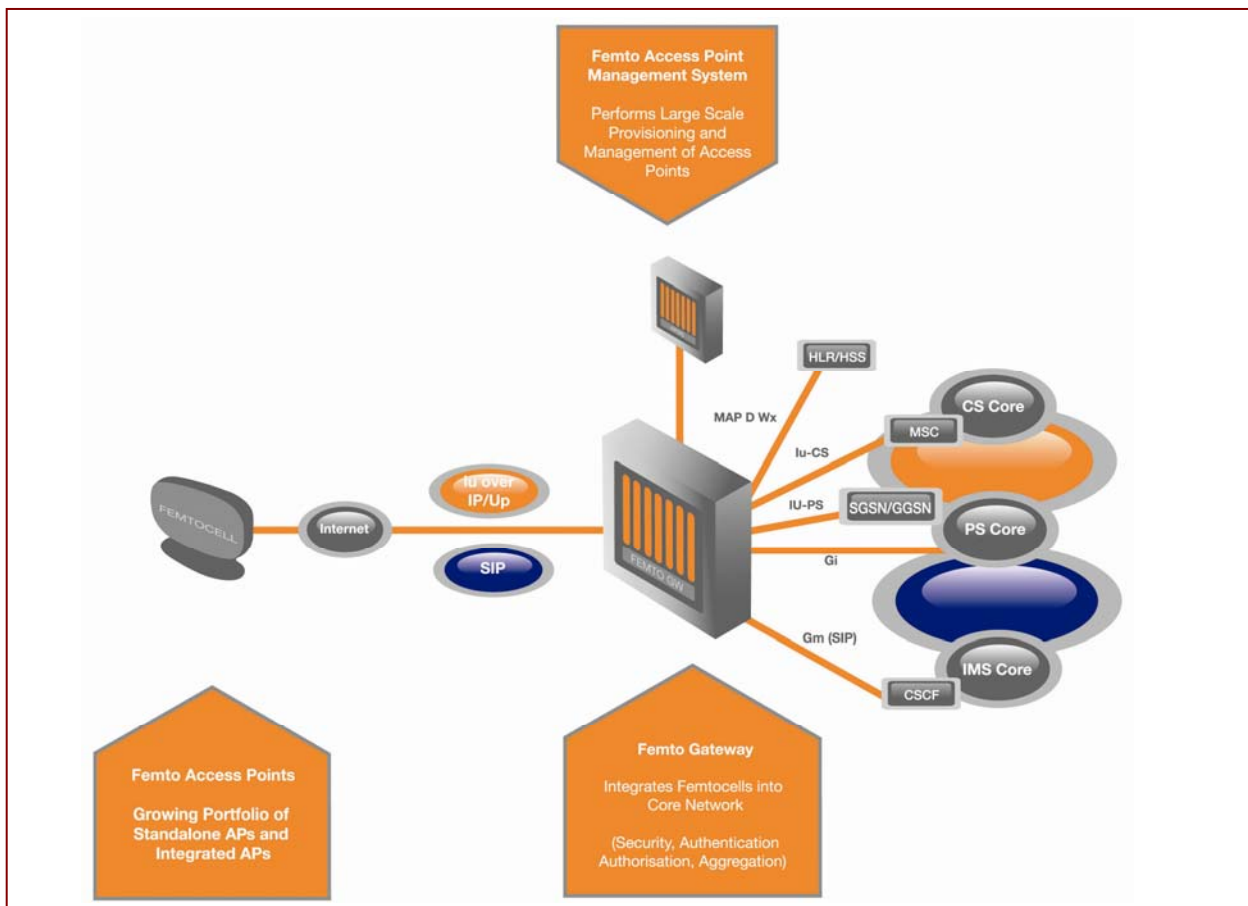
A Proven Solution with End-to-End Performance

Features

- Provides localised 3G coverage and capacity in a home/SME
- Interworks with legacy handsets with no change required
- Zero touch, plug and play Access Point
- Allows access to a user-specified and configurable subscriber list
- AMR Voice, R99 PS data, HSPA, Multi-RAB, Emergency call, etc

Overview

- NEC provides a complete end-to-end Femtocell solution for operators that includes the 3G Femtocell Access Point, Femtocell Gateway and Access Point Management system.
- The Access Point is a small plug-and-play consumer device that connects to the user's broadband gateway.
- The NEC solution is standard-based providing Iu-over-IP or SIP interface between the Access Point and the Femtocell Gateway. The Iu-over-IP interface is based on the 3GPP GAN standard.



Advantages

- Femtocell offer a cost-effective alternative. A Femtocell is a 3G access point which has been developed as a consumer electronic device for use in buildings. Femtocells provide low-cost dedicated 3G coverage and capacity indoors, enabling a user with an existing mobile phone to access high-quality voice and high-speed mobile data services. Thus enabling a true ubiquitous high speed mobile broadband experience.
- Overall NEC's Femtocell Solution meets the operator challenge of driving enhanced revenue streams through increased uptake of data and other services while simultaneously reducing the operator's cost base.

Application Examples

- Femtocell positively impacts the operator's bottom line in a number of ways. For example the cost of service delivery is reduced by using customer broadband for backhaul and other customer assets such as the site for deployment and power.
- Furthermore NEC's Femtocell Solution allows an operator to offload data traffic from the core network thus eliminating the need for a major core network capacity upgrade.
- NEC offers a choice of Standalone and Integrated Access Point which includes WiFi DSL and Femtocell in a single unit. The NEC strategy is to offer a choice of multi-vendor access points to operator.



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