

altran

Virtualized Evolved Packet Core



Aricent is now Altran

Overview

The evolution of LTE entails a whole new core network with a flat, all-IP based architecture. The SAE defined by 3GPP has the Evolved Packet Core (EPC) as its main component and Mobility Management Entity (MME), Serving Gateway (SGW) and PDN Gateway (PGW) as the subcomponents. The introduction of this new architecture implies that the telecom equipment manufacturers need to either undertake a migration of their current packet core platforms or develop a new evolved packet core ground up.

Altran offers a comprehensive suite of products and services for the Evolved Packet Core, including EPC gateways (SGW and PGW), MME, HSS, and PCRF. Altran offers comprehensive EPC solutions for MME and SGW/PGW network nodes, designed to help vendors build high-quality solutions with pre-tested and pre-optimized components. Altran EPC are white label ready solutions and are available in source code form as well to allow customers to add secret sauce to the solutions to help accelerate the development of carrier-grade communications infrastructure - speeding time to market and reducing risks. These are optimized software frameworks that can run on any Cloud, containers, virtualized platform and on COTS hardware.

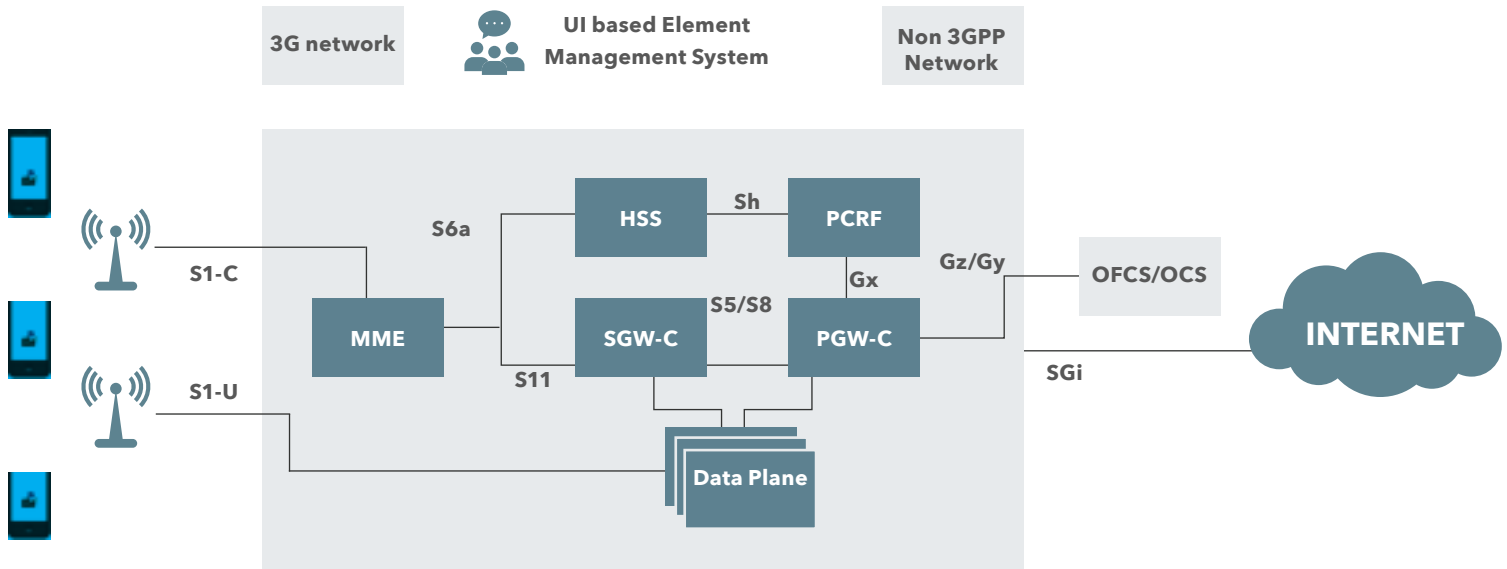


Altran Wireless Core Networks

Altran wireless core networks are carrier grade white label ready solutions that can be used in various deployment models such as private networks, public networks, IoT/M2M, public safety. It enables OEMs/NEPs to reduce time to market and keep up with the pace of fast evolution of 3GPP. It is highly scalable and can be used as a hosted model on the cloud by customers as well. There are many value-added features also available in core networks, which are over and above the specification compliance. Core networks can be deployed both as collapsed core or as distributed core based on deployment requirements. Following are primary industries Altran core network solution can be used for

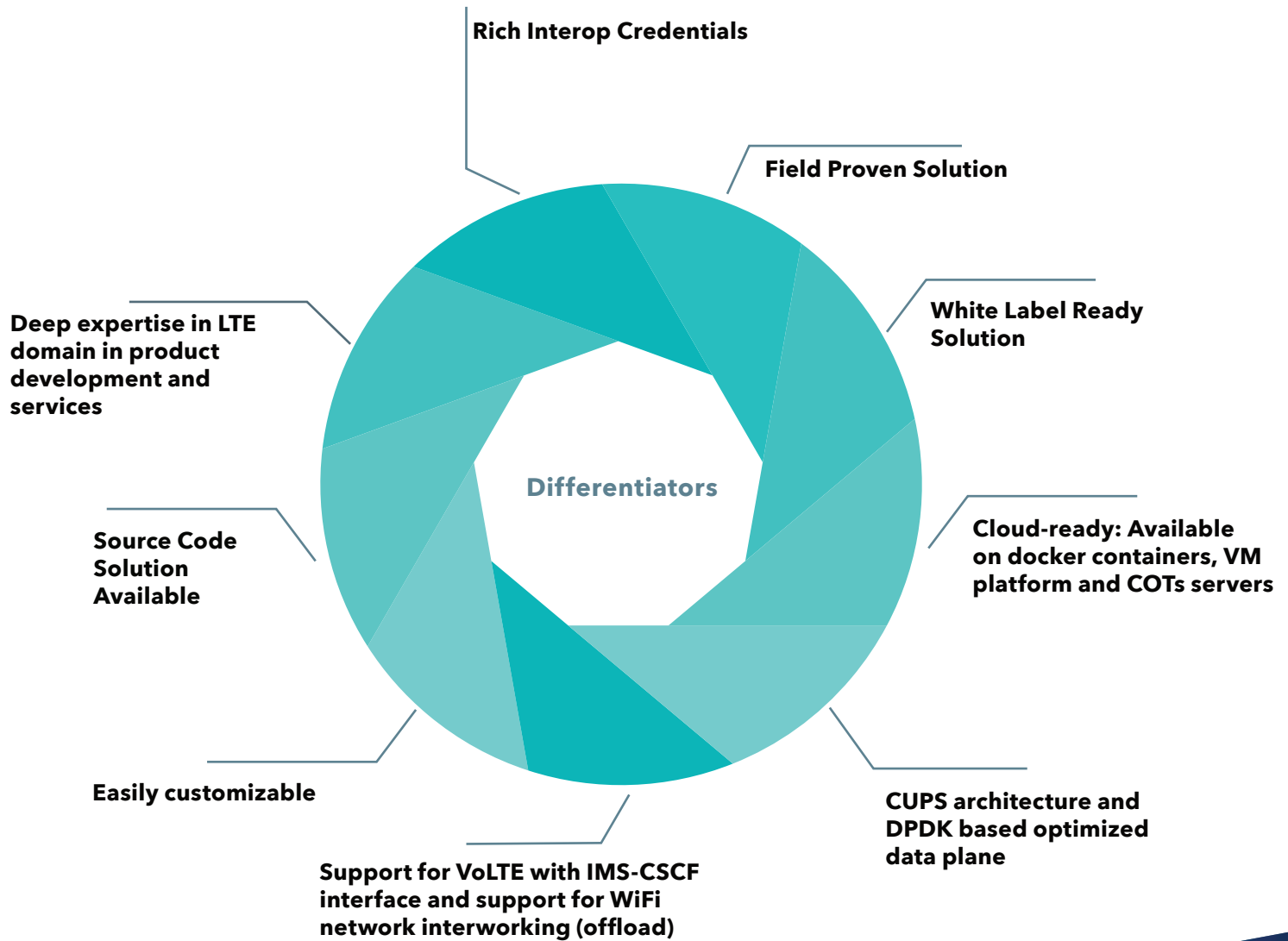
- Mobile broadband for private and public networks
- Rural & Enterprise networks
- IoT/M2M networks
- Public Safety
- Fixed wireless access
- MVNO deployments
- CBRS deployments
- Local Offloading
- Niche deployments such as Adhoc networks, mining solutions, etc

Altran Virtualized Evolved Packet Core Solution



EPC Lite is an integrated software offering which includes MME, Serving GW, PDN GW, HSS, PCRF and HeNBGW components or any combinations thereof to help TEPs develop low footprint customized core solutions for Niche markets such as public safety, rural and enterprises. EPC Lite can support 1 million provisioned and 200,000 simultaneous attached subscribers. It supports carrier grade features such as lawful interception, high availability, subscriber tracing, DPDK based data plane for higher throughput. It comes with a web-based management system to configure, provision, control and monitor the network. It provides many value-added reports/KPIs, which can help customers to monitor the network and use the data to optimize the network resources further as and when required.

Why Altran?



Find out more about what our software product development can do for your company.

Get in touch to set up a call or meeting with an Altran expert today: marketing@Altran.com

You can work with a company that develops software for today. Or you can work with one that develops software for tomorrow.

About Altran

Altran ranks as the undisputed global leader in Engineering and R&D services (ER&D), following its acquisition of Aricent. The company offers clients an unmatched value proposition to address their transformation and innovation needs. Altran works alongside its clients, from initial concept through industrialization, to invent the products and services of tomorrow. For over 30 years, the company has provided expertise in aerospace, automotive, defense, energy, finance, life sciences, railway and telecommunications. The Aricent acquisition extends this leadership to semiconductors, digital experience and design innovation. Combined, Altran and Aricent generated revenues of €2.9 billion in 2018, with some 47,000 employees in more than 30 countries.

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