

## Press Release

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# Altran Collaborates with Baicells to Create Multi-Platform 5G RAN Solution

***Leveraging state-of-the-art mmWave and sub-6GHz technology, Altran and Baicells' solution helps OEMs and operators monetize 5G faster***

Altran, global leader in Engineering and R&D services (ER&D), today announces it has collaborated with Baicells, high tech company that provides disruptively priced and technically innovative LTE wireless broadband access solutions in support of fixed wireless and mobile small cells, to develop a 5G RAN multiplatform solution thanks to Altran's decades of wireless expertise.

**Dominique Cerutti, Chairman and Chief Executive Officer of Altran** said: *"We worked closely with Baicells to create a differentiated 5G RAN solution that reflects the company's commitment to innovation, while also ensuring that it is cost-effective for operators. Operators are looking to recoup their investments in 5G infrastructure faster, and the ability to quickly deploy multiple 5G use cases will be critical for achieving a good ROI. To achieve successful 5G deployments, robust RAN solutions will be key."*

As the 5G ecosystem rapidly expands, a number of original equipment manufacturers (OEMs) are collaborating with Altran to design and deliver solutions that leverage 5G technology for both operators and enterprises. Baicells, a leading cloud-based 4G/5G wireless solutions provider, is the latest OEM to select Altran's 5G RAN software framework. With Altran's expertise, Baicells will fast track its 5G RAN solution to support several key markets, including telecommunications, industrial, enterprise and private networks.

5G is expected to achieve economies of scale over the next two to three years, lowering costs across network architecture.<sup>1</sup> As such, RAN is a critical piece of infrastructure to deliver monetizable use cases. Altran's innovative 5G RAN software framework enables OEMs to accelerate product development and support deployment roadmaps for operators at a reduced cost. The framework uses a single software package that works across both millimeter wave and sub-6GHz for both non-standalone (NSA) and standalone (SA) modes, regardless of platform type. This significantly reduces the cost of maintenance for software releases across different platforms.

The 5G RAN framework leverages Altran's decades of wireless expertise, including stack development for 2G, 3G and 4G networks, to support multiple platforms and use cases. It is fully compliant with 3GPP, O-RAN, Open RAN and service control functions (SCF) for femto application platform interface (FAPI) and network FAPI (nFAPI) interfacing, making it interoperable with multiple physical layer (PHY) and remote radio unit (RRU) providers and ecosystems.

*"Our solutions are flexible and work across multiple platforms and ecosystems, and Altran's framework is a perfect fit with our product ethos,"* said **Lixin Sun, CEO at Baicells**. *"Besides our support for the global operators, Baicells is expanding our cooperation with strategic partners in vertical business in the 5G era. Altran's solution has strengthened our 5G RAN portfolio and product development capabilities, paving the way for operators and enterprises to monetize 5G faster. Thanks to Altran's 5G framework, our solutions work across many more use cases, giving us a critical competitive edge."*

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<sup>1</sup> [Strategy Analytics Unveils 2023 5G Global Market RAN Forecast](#)

### **About Altran**

Altran ranks as the undisputed global leader in engineering and R&D services. The Group 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 automotive, aeronautics, space, defense & naval, infrastructure & transportation, industry & consumer goods, life sciences, communications, semiconductors & electronics, software & internet, finance and the public sector. The Aricent acquisition extends this leadership to semiconductors, digital experience and design innovation. Altran generated revenues of €2.9 billion in 2018, with nearly 47,000 employees in more than 30 countries. For more information, please visit [www.altran.com](http://www.altran.com).

### **About Baicells**

Baicells is a privately held, high tech company that provides disruptively priced and technically innovative LTE wireless broadband access solutions in support of fixed wireless and mobile small cells. With the vision to connect the unconnected, Baicells has created breakthrough technologies to LTE, including moving a complete LTE system to unlicensed spectrum and building it with an IT-based architecture. With Baicells' turnkey end-to-end solutions, it's much easier to provide wireless Internet access at a very low cost. Baicells' innovative solutions can be used by mobile operators, broadband access operators, cable operators, mobile virtual operators, governments and enterprise private networks.

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