

Accelleran RAN SW Professional Services

ABOUT ACCELLERAN

The Accelleran team has been a recognized leader in the small cell industry for more than ten years. With an average experience of 20+ years each, the team offers unrivalled expertise across the full range of skillsets required for success in the challenging RAN solution market.

We insist on SW development standards and practices to deliver a carrier and mission critical grade quality disaggregated RAN component using standardized interfaces. Your carrier-grade brain of the RAN subsystem.

Accelleran Carrier and Mission-Critical grade architecture-agnostic small cell RAN-vRAN software solutions were selected as winner of the Small Cell Forum Award 2018 in the category "Outstanding innovation in small cell technology or architecture"



EXPERT DOMAINS DESCRIPTION

Accelleran Professional Services provide RAN/vRAN expertise delivered by industry experts in different domains to make your company, teams and projects succeed. Our expert team combines software expertise with test and integration experience leveraging Accelleran IP blocks.

Accelleran's main expert domains are:

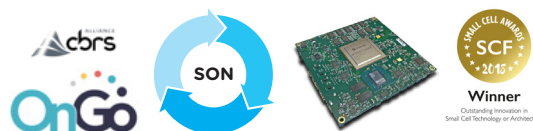
- **Small Cell and RRU Platforms**

The Accelleran team has been integrating with leading Small Cell HW platforms based on all available SoCs. Its software and integration expertise has led to multiple deployed platforms such as its own E1000 series based on Marvel SOC, Public Safety Backpack solutions (with Network-in-a-box capabilities) and TIP's Opencellular platform. Accelleran is your ideal partner to define, develop and integrate your product requirements with Carrier-grade performance and shortest time-to-market. We also have large experience in enabling ODM models.



- **Software is Accelleran's DNA.**

We master best-in-class development tools and methodologies. We can base your project on our LTE and 5G RAN Software IP and bring your own solutions towards LTE-Advanced and 5G features. We also engage in developing specific advanced RAN functions, such as CBRS, Multicarrier, SON, LAA, Neutral Host, RAN Slicing, eMBMS, NBIOT, LTE-M and full stack integration in your products.



- **vRAN and Open RAN**

Accelleran has developed its own IP and experience in vRAN. dRAX™ is Accelleran's Open Intelligent RAN Controller Plane. A unique pré-ORAN compliant Virtual Network Function that drives new network architectures. Accelleran has been an early contributor to main consortia such as ONF/M-CORD and TIP. Accelleran has supported diverse Cloud Native container and VM based deployments orchestrated via Kubernetes and OpenStack.



- **Test & Integration**

The Accelleran team knows what it takes to integrate end-to-end RAN solutions. It masters interoperability with Core Networks, flexible OAM management interfaces (SNMP, TR-069, Netconf,...), SON architectures, Spectrum Sharing Access servers, RF planning and newer AI/ML capabilities for optimal network efficiency. Our in-house developed Automated Test Suite bootstraps and accelerates all your product integration projects.



- **Connectivity Solutions**

5G promises a myriad of new use cases that require an end-to-end solution and architectural approach. Our systems and development expertise help you build next generation connectivity solutions. Our teams have been supporting customers to develop solutions in Neutral Host, Smart Cities, Industry 4.0, Private LTE, Critical Communications, Smart Highway, LTE-V, MEC and Public Safety amongst many others.



FLEXIBILITY TO DELIVER ON DIFFERENT DOMAINS AND SERVICE OFFERINGS

Accelleran can help your company in multiple RAN domains: Architecture, Embedded Software, Software Development, Test & Integration, Productisation and Innovation. We can engage with your company in a variety of ways. From providing support to your existing teams, project based expert resources or end-to-end solutions. We can leverage with the use of our own IP (embedded RAN SW, virtualised dRAX, TTCN framework and testsuite, available white label products,...) or enable you to leverage your own IP and portfolio. Flexibility to make your company, teams and projects succeed.

UNPAIRED TEAM EXPERIENCE

The Accelleran team has more than 300 years of joint experience on 3G/4G Small Cell and Radio Access Network and Integration projects at leading industry players. The team worked during the 90s in the early days of digital cellular technologies with macrocell vendors, was instrumental in the early days of 3G femtocell developments and has been working since in RAN and Small Cells 3G, 4G and more recently 5G projects.

FURTHER INFORMATION

Please visit our website
www.acceleran.com

Contact us

info@acceleran.com
 Accelleran N.V
 Quellinstraat 49
 2018 Antwerp
 Belgium

The RAN/vRAN Professional Services Experts



Services and Engagement Models

Accelleran can engage with your company in a variety of ways. From providing support to your existing teams, project based expert resources or end-to-end solutions. On-site or autonomously.



Our key Services offerings are:

- **Consult & Design**

We provide consultancy on up-to-date business, technology architecture, design and productization of RAN/ vRAN solutions based on our experience with different state-of-the-art architectural paradigms (MEC, Virtualisation, Functional Splits, CUPS,...).

- **Software Engineering**

Our experience with state-of-the-art software development practices, use of design patterns and agile methodologies, applied in our embedded and virtualised RAN/ vRAN Software Solutions, provide the foundation to help you deliver best-in-class engineered RAN/vRAN software.

- **Test & Integration**



We bring your product to commercial and fully productized levels. Every project requires an extensive test platform. We build from our in-house developed TTCN Test Framework and Automated Test Suites to validate your software solutions and products. We span the whole range from unit test, host test, interoperability, integration and systems test.

- **Innovation & Research**

We partner with Universities, Research Centers and Consortia to drive innovation into real products using state of the art architectures and approaches. Accelleran is a valued Research partner with several 5G projects driving 5G technology to become a reality and apply 5G architectures in 4G. networks.



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