ACL Digital: Paving the Way for Open 5G Networks
5G stands at the forefront of a monumental shift and propels businesses into a new era of digital centrality. At this pivotal moment, communication service providers and enterprises are fervently pursuing the transformation of customer experiences, reimagining connectivity, and optimizing operations to uncover untapped revenue streams.

As your dedicated strategic partner, ACL Digital excels in seamless system integrations, crafting innovative solutions, and delivering expert professional services and best-in-class R&D offerings. With a proven track record of success, we’re your catalyst for transforming your business into a digital powerhouse.

### ACL Digital’s 5G Offerings

<table>
<thead>
<tr>
<th>Research and Development</th>
<th>Engineering</th>
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<tbody>
<tr>
<td><strong>5G Radio ASIC Development &amp; Testing</strong></td>
<td><strong>Monetization</strong></td>
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<tr>
<td>IP Development, Verification, Emulation and Top-level Verification of 5G Radio ASIC (IP Development, 5G SoC Frontend, Radio Baseband Emulation)</td>
<td>Partner-led Solutions, Partner Onboarding, Customization &amp; Dev Support, Development Support, Testing Services</td>
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<td><strong>Device Engineering and Validation</strong></td>
<td><strong>Network Modernisation</strong></td>
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<td>L1, L2, L4 Modem, L1 FW and Algorithms, Primary/Derivative HW Reference Designs for Product Validation</td>
<td>Consulting, Planning &amp; Engineering, Optimization, Consolidation &amp; Migration, Managing Hybrid Networks</td>
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<td><strong>RAN and Core</strong></td>
<td><strong>Testing/Compliance</strong></td>
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<td>Protocol Stacks, Platform Engg (Cloud and Edge Adoption), CBRS, NFV Microservices, Different RAN Architectures and Designs, NTNs</td>
<td>5G Labs, Device Testing, Certifications (GCF/PTCRB, LAB, NV-IOT, Operator LAB and Field Testing)</td>
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<td><strong>Edge Compute</strong></td>
<td><strong>Autonomous Networks</strong></td>
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<tr>
<td>NFVi &amp; Edge cloud architecture, Universal Cloud Operations Platform, Service design &amp; Application Adoption</td>
<td>Multi-domain Service Orchestration, Intelligent Networks, Real-time Network Analytics, Network Visualization &amp; Exposure</td>
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<tr>
<td><strong>Security</strong></td>
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<tr>
<td>RAN &amp; Virtual Networks, Edge Clouds, Distributed Core, IoT</td>
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**30+ Years**

Networking Telecom, Cloud, Transformation and Technology Innovation Excellence

**500+**

Skilled practitioners in SDN/NFV deployment and support, Cloud, 4G/5G, Cybersecurity, Big Data, Intelligent Automation

**50+**

Satisfied Customers Worldwide

6 Fortune 100 Customers

4 Top Global Operators

10+ Fortune 500 Telco & NEM Customers

10+ Studios with deep technology and industry expertise

**500+**

Product Releases

30+ Countries
Grow Beyond Boundaries with Disruptive Frameworks and Solution Enablers

The ACL Digital team offers accelerator frameworks in security, disaggregation, networking, microservices, 5G core, management, and orchestration. These frameworks help customers accelerate their digital transformation and maximize cutting-edge technology advantages.

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<td>Security</td>
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<td>Disaggregation</td>
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<tr>
<td>Networking</td>
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<td>Microservices</td>
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<tr>
<td>5G</td>
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<tr>
<td>Management and Orchestraton</td>
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</table>

1. Security - Confidential Computing, SASE, CSG, Firewall
2. Disaggregation - O-RAN, SDN, SEBA, FAPI, MEC, Universal CPE
3. Networking - Virtualization, VNF, CNF, SFC, CUPS Architecture
5. 5G - Core, CBRS-DP, CU, DU, O-RAN, Private 5G, Hybrid Cloud Solutions
6. Management and Orchestraton - Service Orchestraton, LCM, Deployment Automation
With solution engineering practices, ACL Digital R&D can help customers bring innovative solutions to the market quickly and efficiently.

**Solution Definition**
Experts at ACL Digital understand your requirements and define the project scope. We work together to identify any potential challenges.

**Design and Development**
Our expert team uses the latest technology to design an efficient, scalable, and secure solution. We build it with cutting-edge tools and techniques.

**Testing and Integration**
We rigorously test the solution through various methods like unit, integration, and system testing. Our engineers seamlessly integrate it with your existing systems.

**Field Trials and Deployment**
We deploy the solution to your environment and conduct field trials to ensure it works seamlessly.

ACL Digital Solution Accelerators

- **ACL Digital Cloud Native Platform**
- **CBRS & Private 5G**
- **5G Core & Security**
- **O-RAN**
Enabling Digital Transformation via System Integration and Professional Services

1. Assessment and planning
Experts at ACL Digital will assess your current systems and create an integration plan, defining goals, required resources, and systems to integrate.

2. Design and implementation
We design and implement the integration solution, including architecture, tool selection, and system configuration.

3. Consulting
ACL Digital provides comprehensive system integration consulting services, including assessment, solution design, implementation, testing, and ongoing support.

4. Integration testing
You can count on ACL Digital to perform thorough testing for integrated systems, including data flow, system functionality, and security validation.

5. Systems Integration (SI) and Level 1-4 Support
ACL Digital delivers continuous support for integrated systems, spanning essential helpdesk assistance (Level 1) to specialized troubleshooting and issue resolution (Levels 2-4).
Key Opensource Contributions and Expertise

**Key Contributions**

- OPEN DAYLIGHT
- OPEN CONTRAIL
- magma
- TELECOM INFRA PROJECT
- camara
- openstack
- ONOS
- OvS
- VOLTHA
- CORD

**Early and Extensive Adoption**

- Kubernetes
- ONAP
- OpenCV
- Linux
- CentOS
- openSUSE
- Ubuntu
- Fedora
- Java
- Open Compute Project
- DPDK
- GraphDB
- Cassandra
- OpenSpan
- Keras
- MongoDB
- Hadoop
- TensorFlow
- Redis
Key Differentiators

1. Pioneering Innovators in Revolutionary Virtualization and Open Networks
2. Partnering with Telecom Leaders and Fortune 500 NSPs
3. 5G Experience Center and Innovation Lab
4. Game-Changing Frameworks Reduce Time-to-Market
5. Elevating Telecom Transformation: 30 Years of Network Excellence
6. Highly Dependable System integrator
7. Your Trusted Digital Partner for Innovative 5G Solutions

Partners and Associations

Druid
celona
Alteryx
Aldelaran
bubble ran
Lekha Wireless Solutions
TIDAL WAVE TECHNOLOGIES PVT. LTD.
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