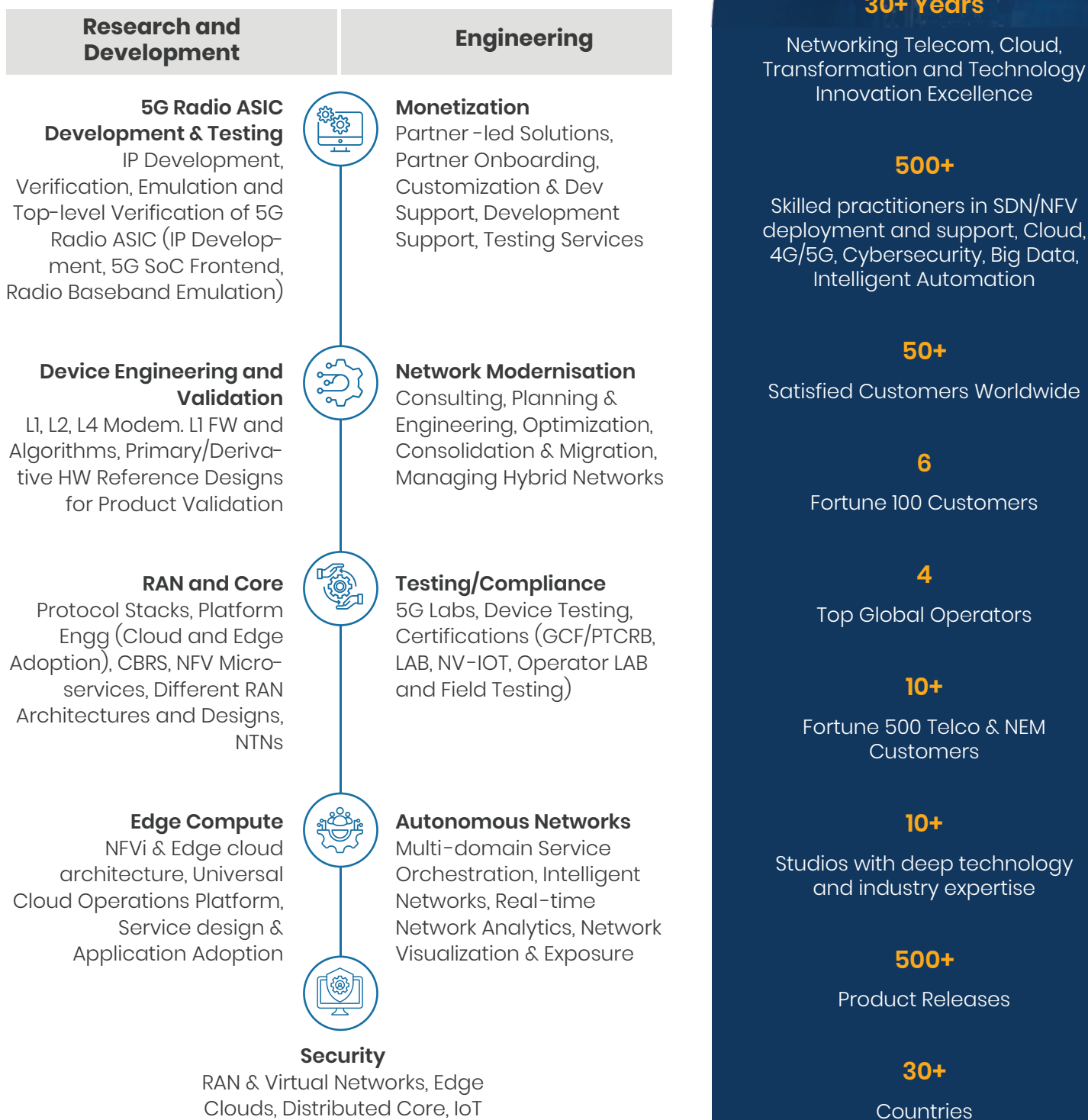# ACL Digital
an ALTEN group company

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

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

Security
RAN & Virtual Networks, Edge Clouds, Distributed Core, IoT

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.

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

4 MicroServices - K8S, Service Mesh, Transport Security, Telemetry, Analytics, HA

5 5G - Core, CBRS-DP, CU, DU, O-RAN, Private 5G, Hybrid Cloud Solutions

6 Management and Orchestration - Service Orchestration, LCM, Deployment Automation

Accelerators

Security

Disaggregation

Networking

Microservices

5G

Management and Orchestration

ACL Digital Solution Engineering

- Solution Definition
- Field Trials and Deployment
- Testing and Integration
- Design and Development

With solution engineering practices, ACL Digital R&D can help customers bring innovative solutions to the market quickly and efficiently.

1

Solution Definition

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

2

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.

3

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.

4

Field Trials and Deployment

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

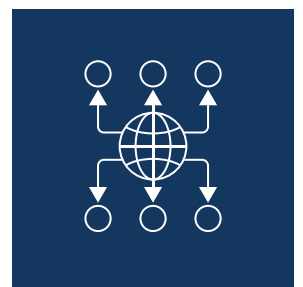# ACL Digital Solution Accelerators

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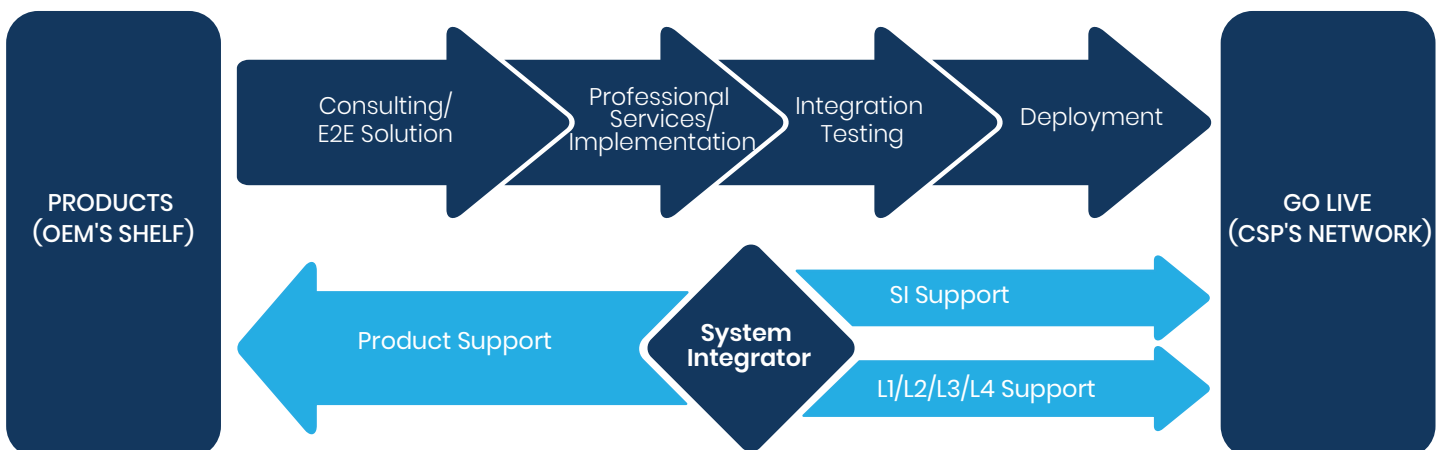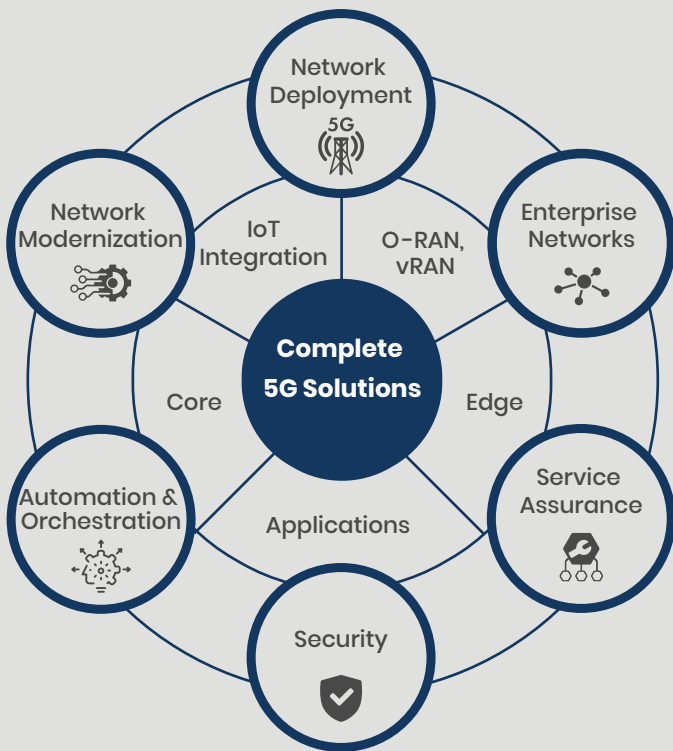
4 Integration testing
You can count on ACL Digital to perform thorough testing for integrated systems, including data flow, system functionality, and security validation.

5 Systems Integration (SI) and Level 1-4 Support
ACL Digital delivers continuous support for integrated systems, spanning essential help-desk assistance (Level 1) to specialized trouble-shooting and issue resolution (Levels 2-4).

Complete 5G Solutions

- Network Deployment 5G
- Enterprise Networks
- Service Assurance
- Security
- Automation & Orchestration
- Network Modernization
- IoT Integration
- O-RAN, vRAN
- Core
- Edge
- Applications

Workflow

PRODUCTS (OEM'S SHELF) → Consulting/E2E Solution → Professional Services/Implementation → Integration Testing → Deployment → GO LIVE (CSP'S NETWORK)

System Integrator
- Product Support
- SI Support
- L1/L2/L3/L4 Support

Key Opensource Contributions and Expertise

Key Contributions

OPEN DAYLIGHT · OPENCONTRAIL · magma · TELECOM INFRA PROJECT · camara transforming education · openstack · ONOS Open Network Operating System · OvS Open vSwitch · VOLTHA VIRTUAL OLT HARDWARE ABSTRACTION · CORD

Early and Extensive Adoption

kubernetes · ONAP OPEN NETWORK AUTOMATION PLATFORM · OpenCV · Linux · CentOS · openSUSE · ubuntu · fedora · Java · OPEN Compute Project · DPDK DATA PLANE DEVELOPMENT KIT · 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

ALTEN

A((elleran

bubble ran

Lekha Wireless Solutions

TIDAL WAVE TECHNOLOGIES PVT. LTD.

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ACL Digital

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ACL Digital is a design-led Digital Experience, Product Innovation, Engineering and Enterprise IT offerings leader. From strategy, to design, implementation and management we help accelerate innovation and transform businesses. ACL Digital is a part of ALTEN group, a leader in technology consulting and engineering services.

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USA | UK | France | India