Amdocs Network Provisioning Services

The complexities of heterogeneous networks can potentially lead to a multitude of issues that threaten to disrupt the customer experience. Examples include system integration problems, call drops, handover failures and lower data rates.

Amdocs Network Provisioning Services takes an integrated approach to help overcome these complexities. With a focus on increased automation and process simplification, we ensure the ability of your systems to maintain pace with customer demands.

Amdocs Network Provisioning Services leverages our extensive industry expertise in multi-vendor, multi-technology platforms to provide planning and design, service verification and acceptance. We also provide support for network provisioning services including GSM, UMTS, CDMA, LTE and 5G-NR for all major legacy OEM vendors. Furthermore, we are active in Open RAN and Private Enterprise Network deployments with real-world experience in both verticals.

Our services include:

- New node/network layer integration and commissioning
- Core and transport integration and commissioning
- Spectrum management and customized services, including baseline audits and discrepancy management, node rehomes and migration, and fault management and mitigation

Next-Generation Services
Data-powered; software-controlled – enabled by Amdocs

Service Layer
Orchestrated, automated, operated – enabled by Amdocs

Open Network
Multi-vendor – multi-domain
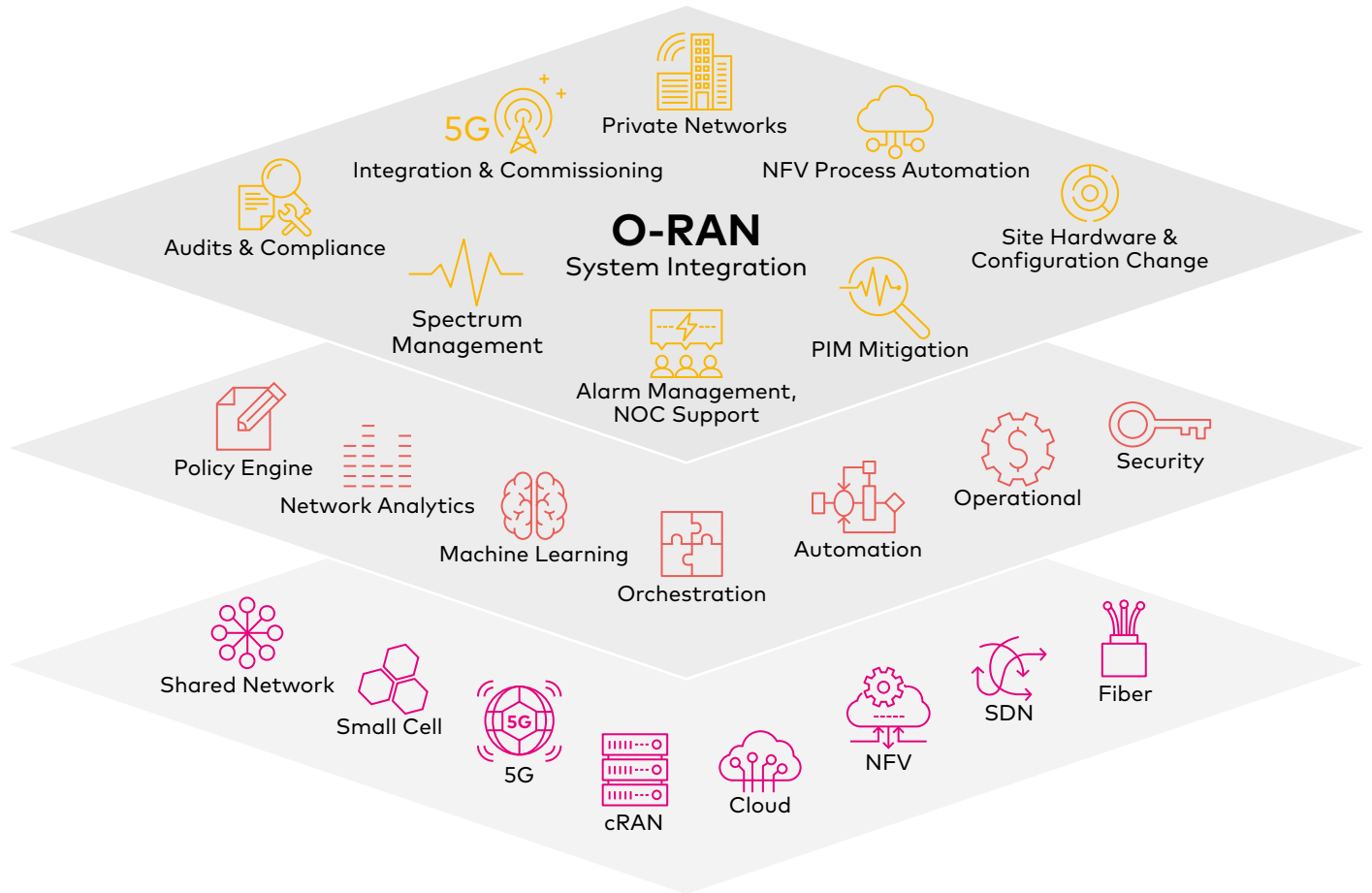
Software focus

Figure 1. Amdocs Network Provisioning Services

Amdocs Integration and Commissioning Services

Utilizing our proven tools, processes, and customized approach, our integration and commissioning services for new and additional sectors/carriers, go beyond standard macro carrier integration to provide all the expertise and services required to modify existing configurations. This includes remote electrical tilt/tower mounted amplifier (TMA) integration, sectorization and carrier aggregation, as well as integrating and commissioning small-cell solutions for both LTE and 5G.
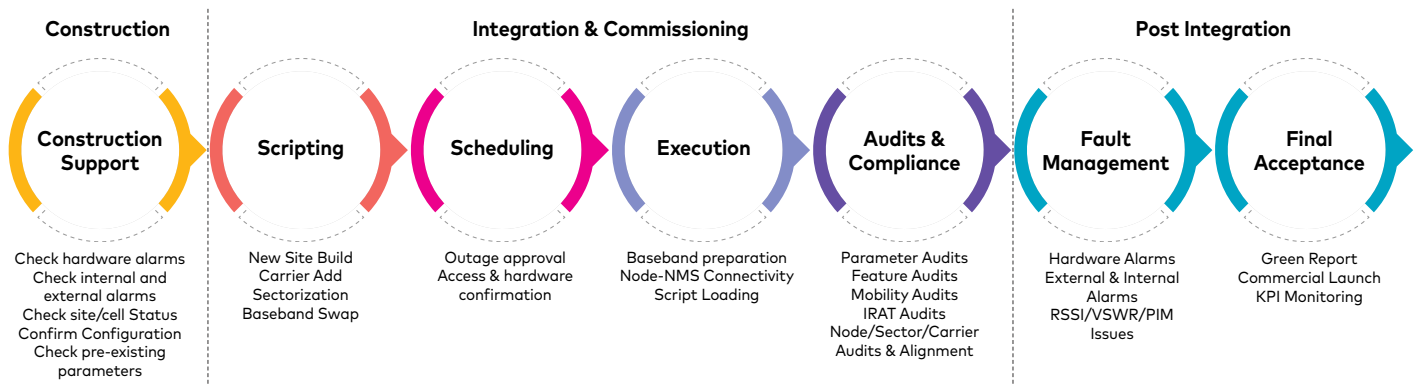

Figure 2. Amdocs Integration and Commissioning Process

Open RAN Services

In recent years, falling ARPU and rising hardware costs, monopolized by a handful of OEM vendors, forced MNOs to seek less costly options for rolling out new technologies and network layers to satiate customers' high demand for data.

Our extensive experience with traditional and Open RAN network rollout and management, combined with partnerships with a wide ecosystem of software and hardware vendors in the Open RAN space, enable you to incorporate Open RAN network elements into your legacy networks.

Starting with lab/field trials, we help identify and onboard the best available Open RAN software and hardware vendor, set up test labs, and execute lab and field trials, enabling you to incorporate the best Open RAN-compliant elements into your network for your specific needs.
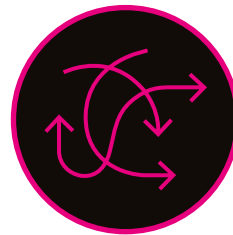
We support you throughout the entire rollout lifecycle from initial design and planning, all the way to final acceptance and network management.

Open RAN Compliant   **Multi-Vendor Friendly**   **Software Defined**   **Programmable & Flexible**

Figure 3. Amdocs Open RAN Services

Private Enterprise Networks

Several major factors are triggering a race towards private networks. These include:

- Security (triggered by ransomware attacks via LAN or Wi-Fi networks)

- Spectrum availability (CBRS spectrum released by US Government)

- Availability and affordability of Open RAN network elements

- Usability of COTS, instead of proprietary hardware

Leveraging our status as an FCC-approved SAS Admin, we provide enterprises and other entities (including utilities, school districts, TV networks and universities), with end-to-end network rollout services, planning and design, spectrum allocation, systems integration, rollout and launch, network operations, device management and security.

Additional benefits

- Our RAN lab serves as a basis for the interoperability testing needed to ensure a smooth rollout

- We help you select the best hardware and software vendor partners for your needs

- We help roll out and manage your network via a partnership or turnkey model

Figure 4. Amdocs Private Network Services

Why Amdocs

Amdocs has a proven track record supporting projects for all phases of network rollout and acceptance, including but not limited to RAN, transport and core design, provisioning and troubleshooting services, pre/post launch optimization, provisioning, triage and so on for multi-vendor, multi-technology heterogeneous networks.

With an experienced network provisioning team staffed by professionals in transport and core, as well as advanced troubleshooting (ATS) engineers, our strength lies in adapting to our customers' needs and requirements, while orchestrating various support teams/vendors to ensure timely delivery.

As a preferred SI vendor for Tier-1 and Tier-2 service providers across the globe, our vast experience in complex configurations and holistic approach to network management ensures you can deliver faster, within budget and with the highest levels of quality.

Partner with us to benefit from our proven tools, processes and time-tested methods, as well as customized services for all major network equipment providers and technologies, so you can be confident in your ability to meet your customer experience goals.
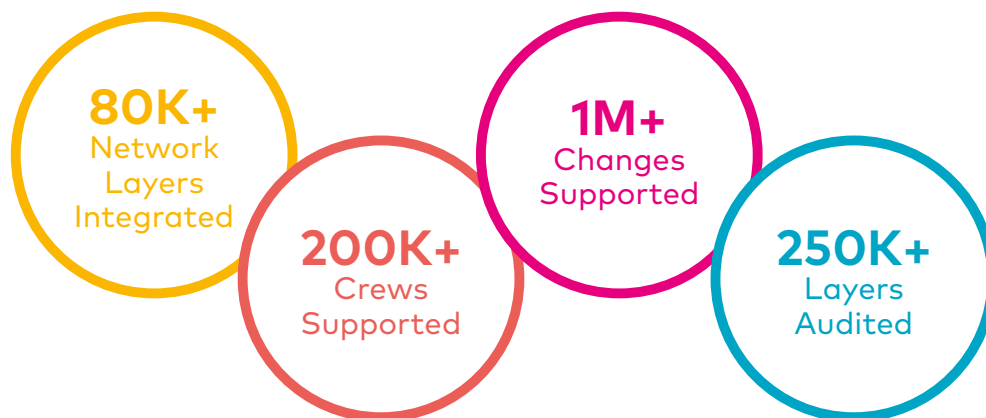
80K+
Network Layers Integrated

200K+
Crews Supported

1M+
Changes Supported

250K+
Layers Audited

Figure 5. Amdocs experience and strengths

For more information on our network deployment services, visit Amdocs Mobile Network Services.

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make it amazing