Amdocs Education Solution

Close the digital divide & foster 5G innovation in education

The digital divide poses significant challenges for US educational institutions, hampering equal access to reliable network connectivity. At the same time, they also strive to deploy 5G Private Networks to meet their advanced wireless needs. Yet their current reliance on the spectrum available for enterprise deployments, such as US CBRS, for wireless connectivity falls short in supporting all their business processes.

Mobile private networks leverage high bandwidth channels to offer wireless data transfer rates to enable educational institutions to provide reliable network connectivity for students and monetize their network investments. But deploying such networks is a complex process, requiring a wide variety of skill sets, network components and technologies.

Amdocs Private LTE/5G Networks for connectivity services addresses these challenges. Through collaboration with mobile network operators, we enable greater mobility for users and devices, bridging the connectivity gap. Our expertise spans the RAN, Core, Transport, CPE and Cloud domains, bolstered by our proficiency in designing, deploying and operating these solutions solutions.

Amdocs can provide reliable and affordable connectivity, empowering educational institutions to unlock the innovation capabilities of their research centers while safeguarding critical wireless processes such as video surveillance, gate control and point of sales. For students, it ensures seamless wireless experiences, freeing them to focus on their education.

We boost the student experience with mobile private networks by leveraging our skills and experience to design effective solutions. This includes maximizing ROI by carefully selecting network equipment and vendor solutions from our partner ecosystem to address both initial requirements and long-term goals. Combined, these capabilities enable us to assess the ideal data management approach, be it on-premises or in the cloud, along with the necessary requirements to support the chosen path.
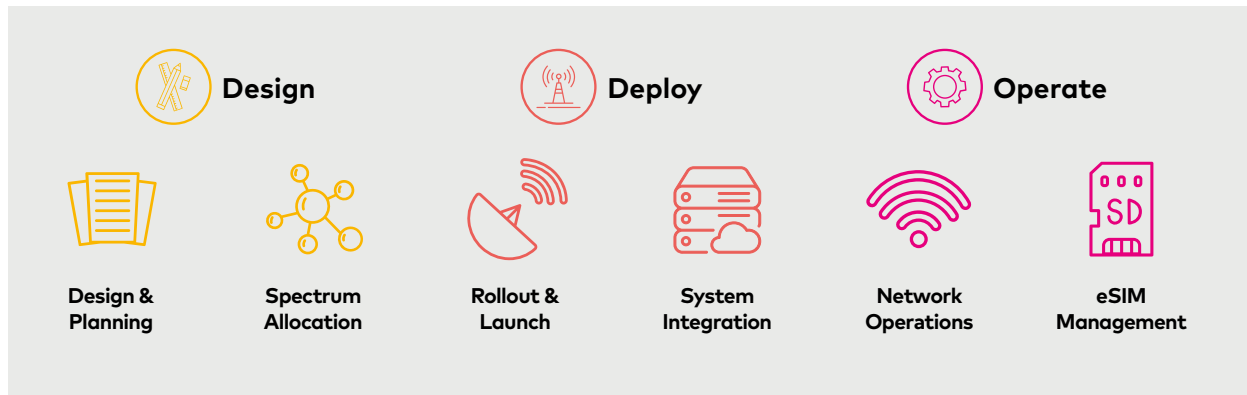
Solution overview

Amdocs Education solution utilizes several network components within a private mobile network setup. These include a 5G RAN, an 5G SA core, as well as a security platform that protects the private network mission critical Operational Technologies. Together, these are managed by Amdocs Private Network Management's "single pane of glass" capability.

Mobile Private Network End-to-End Management Portal

Our services encompass network design, deployment and service operations.

Design		**Deploy**		**Operate**	
Design & Planning	Spectrum Allocation	Rollout & Launch	System Integration	Network Operations	eSIM Management

End-to-end network and system integration services for planning, deploying and operating a private network with overall accountability

Amdocs Network & System Integration services

- **Planning Services:** leverages Amdocs expertise in specific industry verticals combined with an understanding of their unique business goals to determine the appropriate private network solution and technical requirements.

- **Deployment Services:** end-to-end engineering services covering planning, design, integration and optimization of components across RAN and core domains, as well as software-powered automation for faster and more efficient rollouts. Amdocs ensures all applications, IT environments, security components, network components, devices and management capabilities are connected and working seamlessly together, while ensuring the overall network and service meets technical and business requirements.

- **Management Services:** includes Amdocs Managed Private Network's "single pane of glass" capabilities, which together with its operations services, secure service reliability in accordance with agreed service level agreements.

Why Amdocs for Educational Institutions

Amdocs leverages a deep understanding of existing capabilities and strategies to create tailored educational experiences that combine our own assets with those of service providers' enterprise customers. Our holistic solution design approach considers educational institutions requirements, use case, future vision, as well as the degree to which the educational institution wishes to manage their own network operations.

Leveraging our vendor experience, flexible solution blueprints and private network deployment experience, we provide a single point of accountability for committed SLAs, while minimizing risks associated with private network implementations. Meanwhile, our global delivery and support organization – spanning RAN, core, cloud, IT, system integration, transport, security and software domains – enables us to manage all the complexities of an end-to-end private network solution.

With our combination of deployment and automation, private network management portal and AI-enabled operations services, we lead the industry in enhancing the customer experience, while improving overall operational efficiencies.

Learn more

Empower educational institutions to promote equity in connectivity with dedicated private networks, contact networkmarketing@amdocs.com

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make it
amazing