



Sutherland's Private 5G Experience

Turning connectivity into enterprise value

Who Are We?

For 38+ years, Sutherland has partnered with global enterprises to deliver outcomes that scale. We combine **human insight with AI-powered intelligence** to transform operations into measurable business results. Our telecom-focused capabilities span **Network Engineering Services**, including AN-level assessments, agentic NOC solutions, AI-enabled private 5G, and fiber engineering and design. Together with our CX, BPaaS, and Digital Engineering Services, we help **Telcos modernize** operations, improve network performance, and reduce cost-to-serve—at speed and at scale.

Sutherland's Private 5G Offering

From concept to operations, Sutherland helps you unlock the full potential of private 5G and turn it into real, measurable business value.



40K+

Experts across domains and technologies



144

Countries operational



50%

Fortune 500 firms served



70

Delivery offices worldwide



200+

Clients across 11 industries



363

Unique inventions under several patents



Flexible Deployment Models

Our dual engagement models (end-to-end private 5G deployment or customized SMO/RIC implementation) ensure we align with client-specific needs while accelerating time to value and delivering faster ROI.



Vendor-agnostic Hybrid SMO

Our hybrid SMO (Service Management Orchestrator) enables operators to manage brownfield traditional RAN alongside O-RAN through a single SMO interface.



Industry-oriented RIC (rApps/xApps)

By combining our 38+ years of cross-industry experience with deep network engineering expertise, we design industry-specific rApps and xApps that help unlock high-impact private 5G use cases.

Choose your Preferred Engagement Model

We offer flexible engagement models tailored to enterprise needs across every stage of their private 5G journey.

End-to-End Deployment

Complete Private 5G Infrastructure

Turnkey private 5G infrastructure setup leveraging our proven partner ecosystem.

- Network design and architecture
- Infrastructure deployment
- Integration and testing
- Managed services and support

Ideal for:

New enterprise deployments, greenfield sites

AI-Powered Intelligence

Custom SMO/RIC Solutions

Add intelligent orchestration and optimization to existing infrastructure.

- Custom SMO development
- RIC and xApp/rApp solutions
- Industry-specific use cases
- Real-time AI optimization

Ideal for:

Existing networks, CSP partnerships

Powering Industry Transformation with Private 5G

Industry-specific Private 5G use cases delivering measurable operational and business impact



Smart City and Campuses

- Multi-domain network orchestration rApp
- Intelligent infrastructure management
- Public safety priority rApp

25-40%

Energy consumption reduction



Manufacturing

- TSN integration rApps
- Production line slicing
- Predictive maintenance

33%

Of private 5G investments globally



Ports and Logistics

- Traffic steering rApps
- Network slicing orchestration
- Predictive capacity
- Energy optimization rApps

25%

Estimated cost reduction



Energy and Utilities

- Wide-area orchestration
- Mission-critical priority rApps
- Energy savings rApps
- Underground mining operations rApps

10%+

Estimated annual cost savings



Healthcare

- HIPAA-compliant slicing
- Clinical priority rApps
- Predictive capacity rApps
- Zero-trust security integration

43.9%

Fastest growing CAGR



Aviation

- Flight schedule integration rApp
- Multi-zone security slicing
- AGV coordination
- Event-based auto-scaling

\$200B

Industry GDP by 2030

Get in touch



Artificial Intelligence. Automation. Cloud Engineering. Advanced Analytics.
For Enterprises, these are key factors of success. For us, they're our core expertise.

We work with global iconic brands. We bring them a unique value proposition through market-leading technologies and business process excellence. At the heart of it all is Digital Engineering Services – the foundation that powers rapid innovation and scalable business transformation.

We've created 363 unique and independent inventions, 250 of which are AI-based and rolled up under several patent grants in critical technologies. Leveraging our advanced products and platforms, we drive digital transformation at scale, optimize critical business operations, reinvent experiences, and pioneer new solutions, all provided through a seamless "as-a-service" model.

For each company, we provide new keys for their businesses, the people they work with, and the customers they serve. With proven strategies and agile execution, we don't just enable change – we engineer digital outcomes.

