



Digital for Defence Offerings

Connecting the nation,
securing the borders

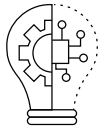
About us



Presence in over
100 countries



World class manufacturing facilities in
India, China, Brazil & Italy



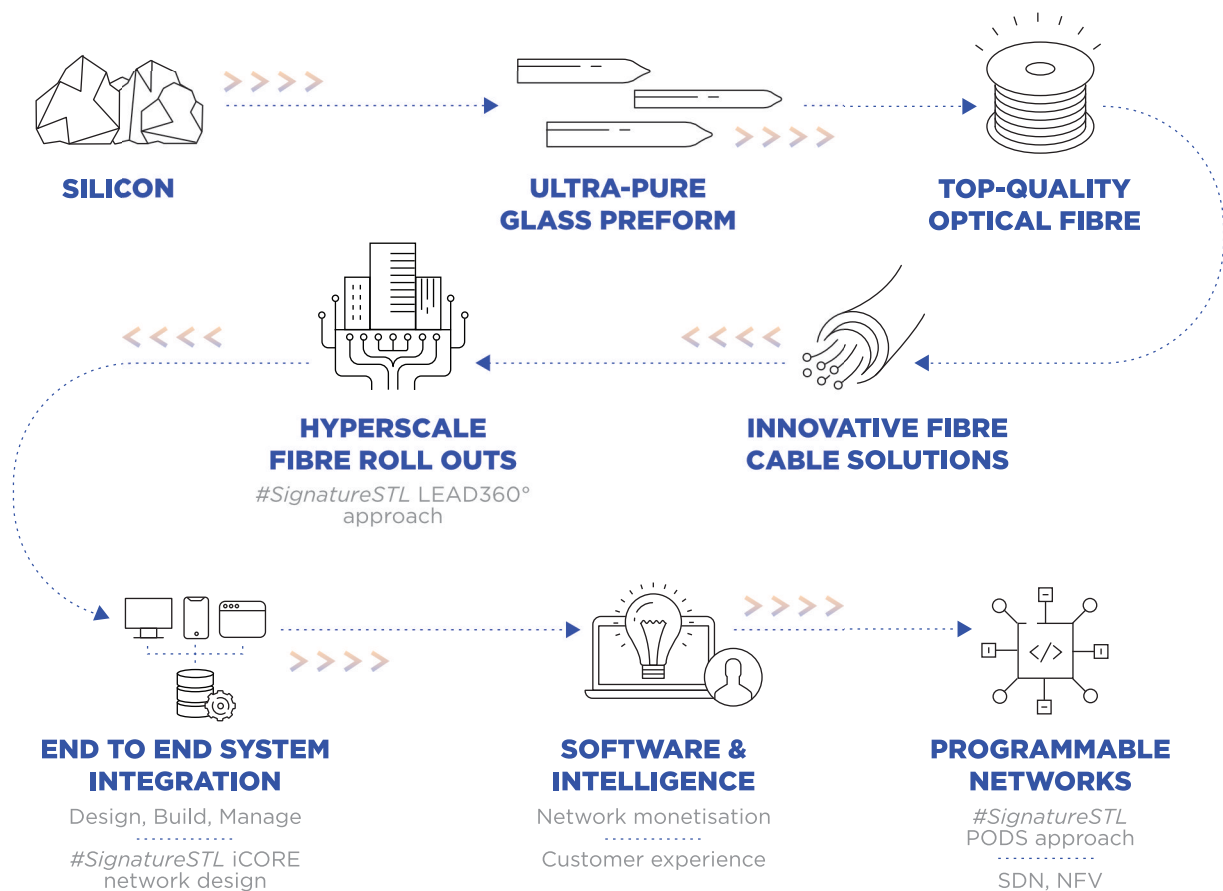
Strong DNA of innovation
271 patents & counting*



Committed to India

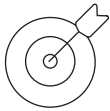
Defence | Bharat Net | Smart Cities

Excellence across the value chain



*As on April 2019

Our passion for Technology & Innovation



CENTRE OF EXCELLENCE

Dedicated to core research in optical fibre technology



CENTRE FOR SMARTER NETWORKS

Focused on innovation & applied technology for future networks with ground-breaking work on SDN, IoT, FTTx and more



STL ACADEMY

Committed to quality and invested in capability building and training of 10,000 workers in the cable deployment space

Creating hyper-scale digital infrastructure for

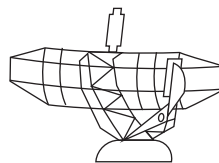
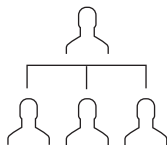
GLOBAL TELECOM PROVIDERS

We partner with 8 out of the top 10 service providers in the world



CITIZEN NETWORKS

We enable the world's most extensive digital inclusion through BharatNet



DEFENCE SERVICES

We build intrusion proof communication networks for defence forces



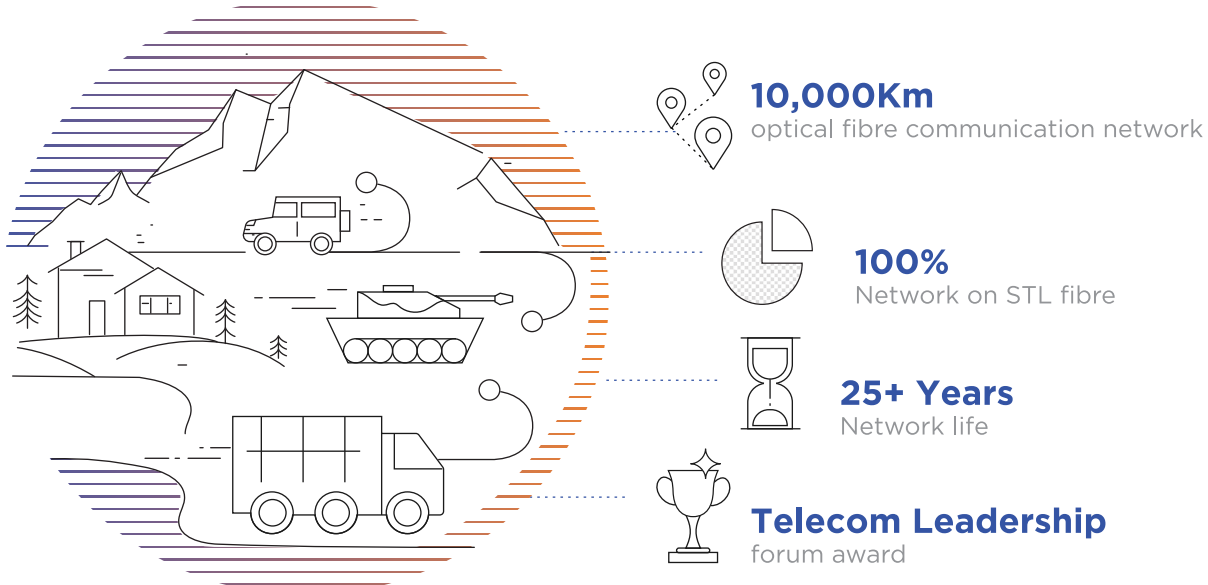
GLOBAL INTERNET COMPANIES

We provide connectivity solutions for data centres and massive content networks

Our Association with the Indian Army

NFS Network for Spectrum Project

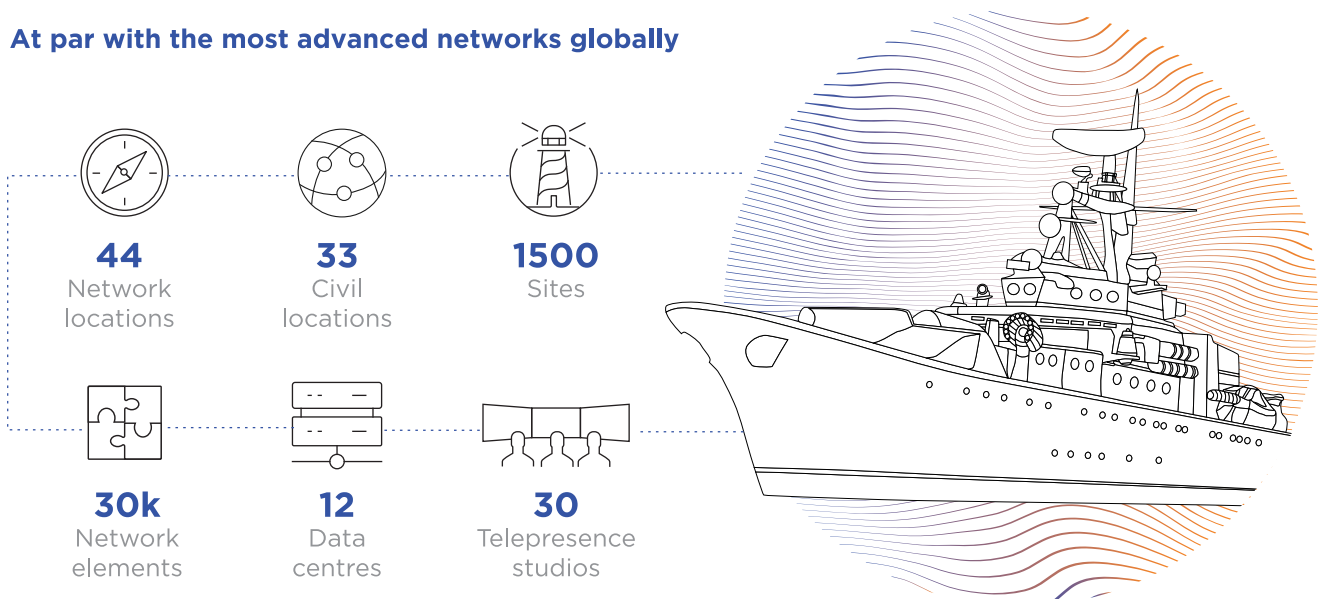
Creating world's largest intrusion-proof smarter network in J&K



Our Association with the Indian Navy

PROJECT VARUN Naval Communications Network

At par with the most advanced networks globally



Our Defence Capability

Next-gen Networks | Secure & Smart Establishments Network Management

Peacekeeping, humanitarian missions, warfare, national security.

These are goals of paramount importance and the highest echelons of defence forces are committed to these mission critical goals. Today's high octane geopolitical dynamics are constantly pushing the envelope for digital advancement in defence infrastructure. Each element of the defence ecosystem needs to be designed for superlative reliability.

STL is a global technology leader, creating truly smart and futuristic digital communications infrastructure. We have leveraged our expertise and passion for transformational technology to create a cutting edge **"Digital for Defence"** portfolio.

Our Digital for Defence offerings for an unrivalled Decisive Edge

1

Our Turnkey
Network Solutions

2

Critical Infrastructure
Security

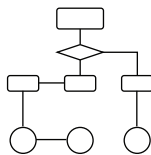
3

Network Management
& Information Security

Our Turnkey Network Solutions

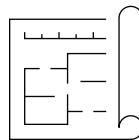
Delivering excellence at each step of network creation

We Design, Build, Manage Strategic, Secure, Scalable Defence Networks



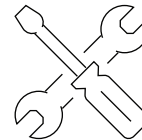
Design-led network planning

Our robust network planning focuses on network economics, optimises investments and helps deliver a great customer experience



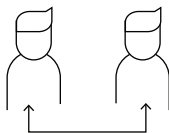
iCORE* network design

#SignatureSTL iCORE approach, helps create smarter networks addressing the extremities of Scale, Latency, Agility, Uptime, Cost and Experience (SLAUCE)



LEAD 360°* installation & commissioning

Using the *#SignatureSTL* LEAD 360° approach, we deliver high quality, low cost and time efficient network roll outs through expert handling and accredited partners



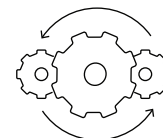
Training & capability building

Technical and functional skilling of your team to effectively monitor, manage and control your network infrastructure and performance



Warranty & AMC

Strong service credentials for seamless maintenance and updates for your complete ecosystem including hardware and software components



Operation and management

State-of-the-art platforms and experienced team to ensure operational agility, network quality and asset utilisation for your network ecosystem

Our Expertise

A-Z of Network Creation

*iCORE

Integrated | Centralised planning | One backbone |
Re-use existing infra | Everything survey

*LEAD 360°

Lean-agile approvals | Everything survey | Academy
training | Design-led planning | 360° robust operations

A} E2E System Integration Services



NMS/OSS/BSS



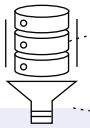
Big Data



Virtualisation

APPLICATION LAYER

- Application-TP, Centrex
- Big Data
- Virtualisation
- Artificial Intelligence



Data Centre



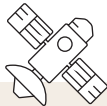
Command & Control Center

DATA CENTRE LAYER

- Data Centre – Server & Storage
- Command & Control Centre



Network Cloud



Satellite



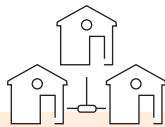
Wireline



Wireless

NETWORK LAYER

- Core (Super core, core, edge layers) – IP MPLS
- Distribution/ Metro - DWDM



End User (FTTx)



Wireless Station

END USER LAYER

Access layer – GPON, MSAN

Wireless Connectivity RE-IMAGINED

to meet the on-ground needs of Defence forces

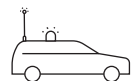
- Network in a box solution to dynamically create, expand, control wireless connectivity
- Game changing Ad-hoc LTE technology delivering fully operational network in minutes
- Multi-layer solution for maximum resilience
- Interoperable and compatible with carrier and legacy networks



Mobile Control Room



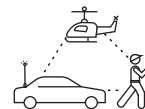
Mobile Communication tower



Mobile Surveillance



On-person communication backpack



On-Ground and Airborne First response solutions



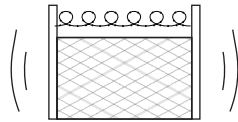
Surveillance Balloon

B} New Wave Wireless Solutions

Critical Infrastructure Security

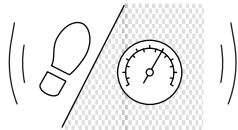
Delivering iron clad fortification through fibre optic sensing

We Design, Build, Manage Secure, Intrusion-proof Defence Ecosystems



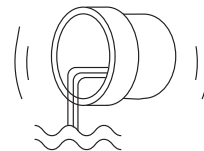
Perimeter Intrusion Detection System (PIDS)

360° perimeter surveillance and monitoring with an intelligent 'threat to response' mechanism and a fully integrated system for action orchestration



Buried Pressure Sensor (BPS)

Compounding infrastructure security through a buried covert detection system, designed to detect, classify and grade security threats via reading mechanical pulses



Drainage Intrusion Detection System (DIDS)

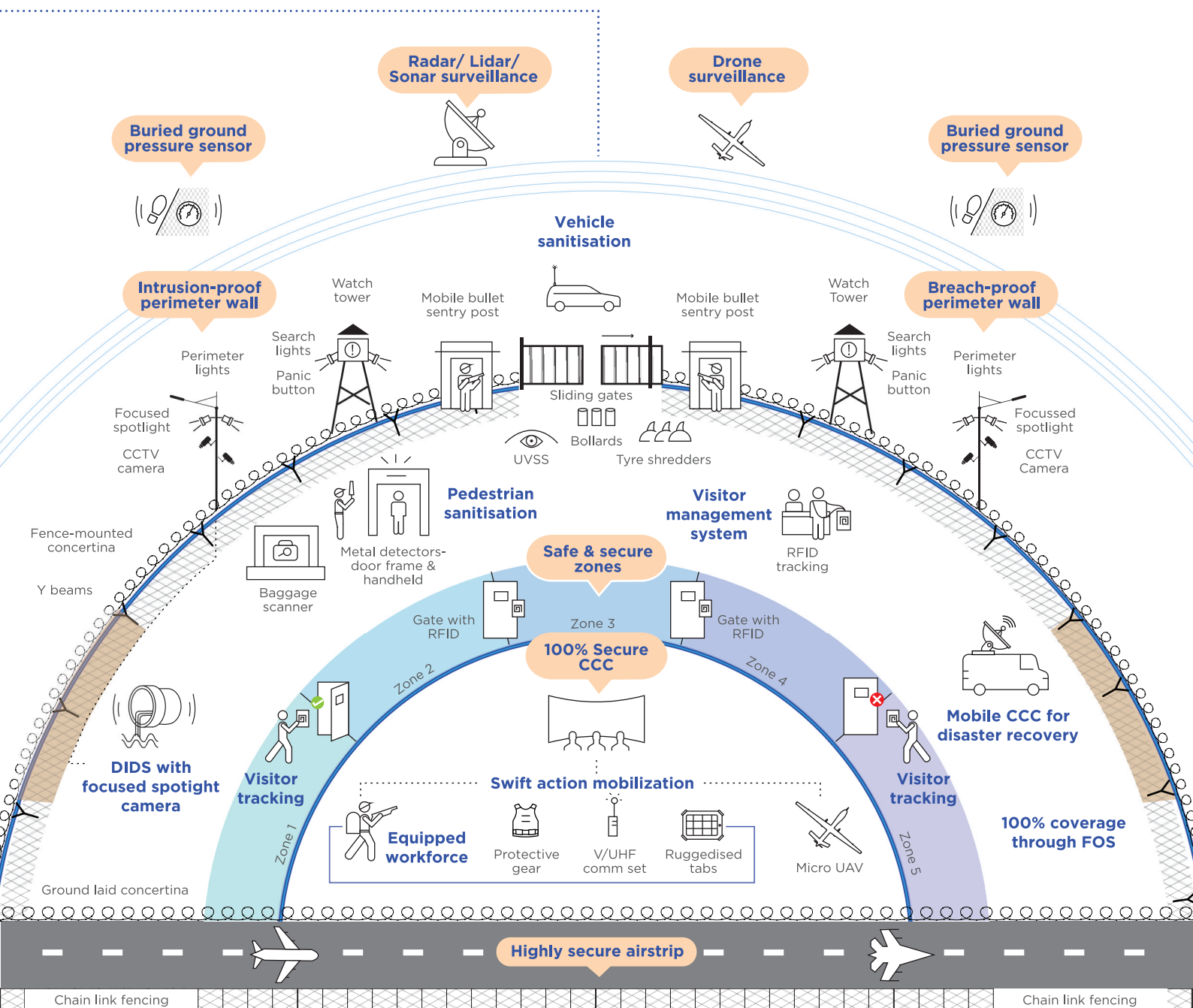
Unattended, hawk eye surveillance for drainage infrastructure to avert underground breach of security, along with a robust system for minimising false alarms

- ✓ 360° situational awareness
- ✓ Razor sharp detection

- ✓ Minimum false alarm rate
- ✓ Action mobilisation

Our Expertise

A-Z of Infrastructure Security



100% Secure Defence Ecosystem

Full suite of security applications

Cameras, Search lights, RADAR, LIDAR, Smart power fence, VMS, Under vehicle surveillance, Ruggedized tabs, U/VHF devices, Unarmed aerial vehicle

Supporting network infrastructure

Wireless network, backhaul, disaster recovery, CCC

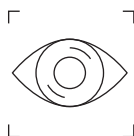
State of the art Command & Control Centre

360° surveillance, Alerts & alarms, Watch towers

Network Management & Information Security

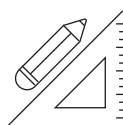
Delivering best in class fulfilment and assurance features

We Develop Smart and Intuitive Network Management Systems



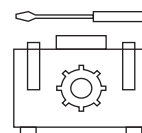
Real time visibility and analytics

One view of all network assets, signal coverage, device connections, asset locations, node wise details



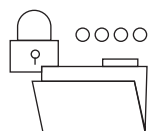
Scalable & future proof

Easily adaptable to upgradation or change in network design



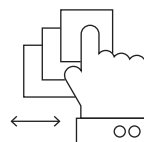
Robust performance management

Managing bandwidth effectively, mission critical application control & fast troubleshooting



Compliance and reporting

Detailed reporting capabilities like proactive alerts, historical reporting, process logs, usage & performance data for all devices



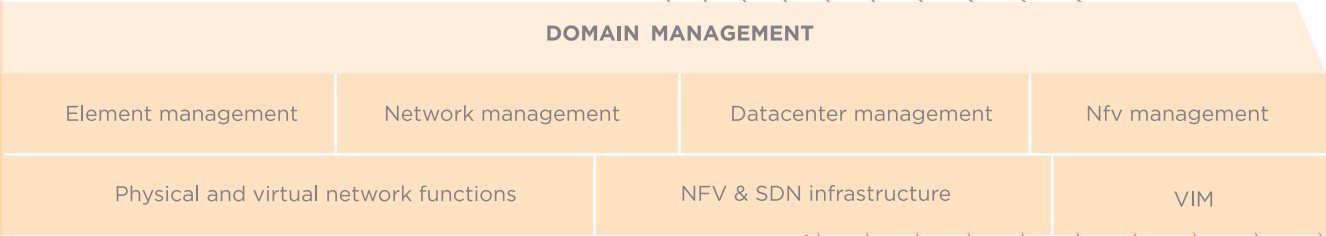
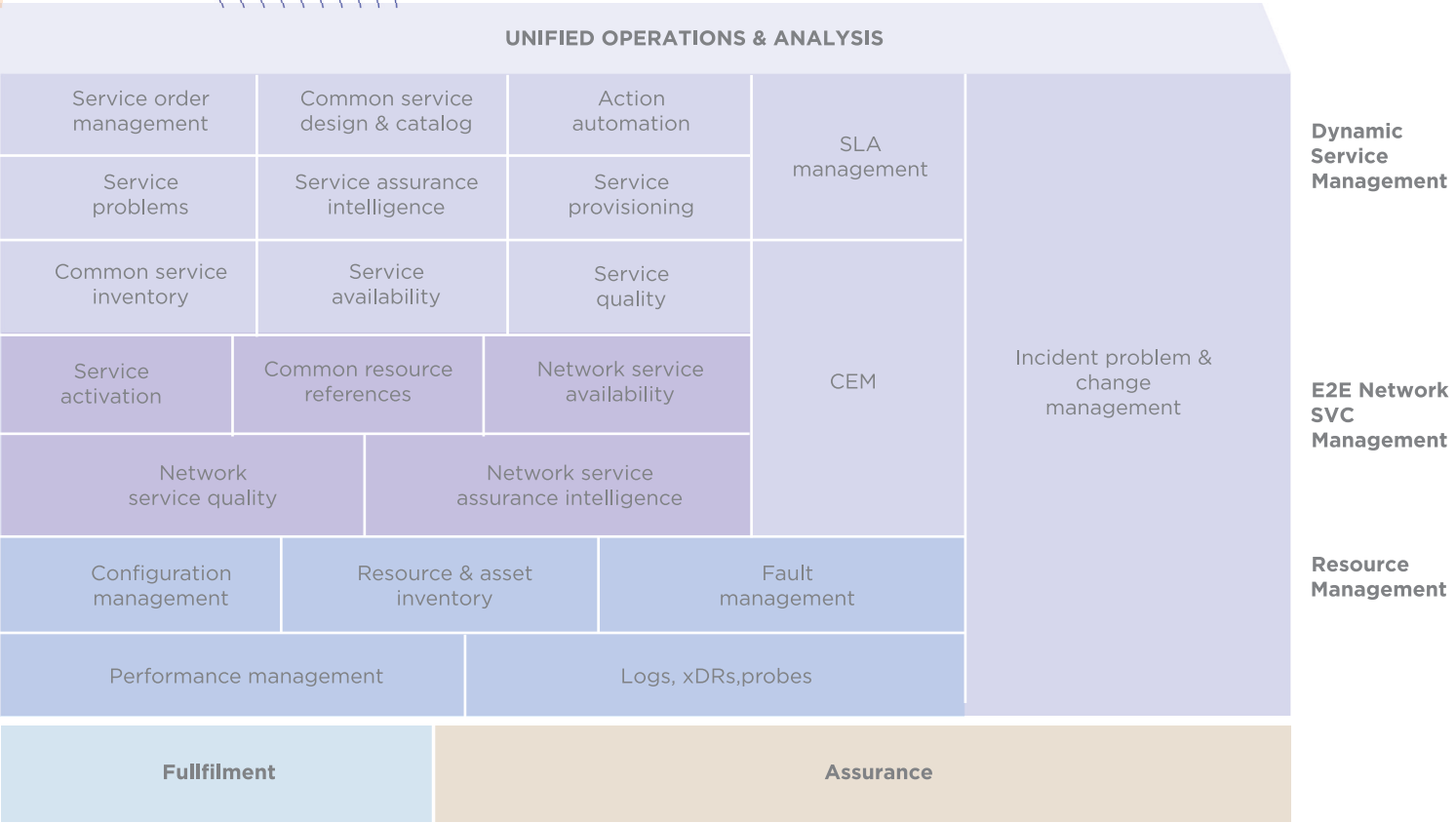
Maximum network uptime

by effectively tracking & solving problems from the source

Our Expertise

A-Z of Network Management

Network Management Done Right





For more details visit www.sterlitetech.com

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