Every commercial enterprise, educational campus, government institution, military operations space, logistics warehouse and critical infrastructure facility has either a permanent or ad hoc network for moving data, voice and video between people, systems, sensors and controllers.

SCALABLE provides software for the engineers and operators of mission-critical, business-critical environments to help ensure the networks, the networked systems and the distributed applications work effectively under all normal and emergency operating scenarios.

SCALABLE solutions address the complete operational life-cycle:
- Planning | Design | Development
- Deployment | Analysis | Testing | Evaluation
- Operational Training

SCALABLE offers solutions for:
- Research on protocols and waveforms
- Network design and architecture optimization
- RF interference and propagation modeling
- Mission planning
- Early-stage device design comparisons
- Live applications performance analysis
- Disaster response preparation
- Hardware and software development
- Communications problem identification
- Live hardware testing and certification
- Equipment scalability evaluation
- Cyber resiliency assessment
- Cyber training

Network Modeling
The SCALABLE network modeling applications are used to design, analyze and test networks, networked systems and distributed applications behavior.

QualNet® QualNet software can model networks comprised of thousands of nodes at faster-than-real-time speeds with real-world high fidelity.

It is a powerful tool for developing networked equipment, protocols and waveforms, and experimenting with potential operating scenarios for various network architectures.

EXata® EXata software extends the QualNet functionality by adding a system-in-the-loop emulation interface and an optional Cyber Library of cyber attacks, defenses and vulnerabilities.

This enables the seamless integration of live hardware and applications with the virtual network models for effective operational testing, and the assessment of networks as to their resiliency to cyber threats.

Cyber Training
Critical networks are almost always under some level of passive or active cyber attack. Users of these networks need practical experience on how to continue working effectively and achieve their business or mission objectives despite the environment being under attack. Beyond topical exercises, they need realistic operational training.

Network Defense Trainer (NDT) Network Defense Trainer (NDT) is a live-virtual-constructive system for creating flexible cyber ranges. The integration of live hardware and applications with virtual network models delivers a highly cost effective cyber training solution that addresses operational scenarios with both the network fabric and the network end-points.

The added ability to realistically represent mobile wireless components and applications, and the option to federate with other kinetic training simulators, is unique in the industry.

NDT systems are used to train all types of cyber warriors and cyber-impacted network users.