

# **SOLiD** WIRELESS SOLUTIONS FOR HEALTHCARE



**Enabling cellular and public-safety communications for clinicians, first responders, patients and visitors.**

**SOLiD**  
[solid.com](http://solid.com)

# THE CONNECTED HOSPITAL

Wireless solutions to keep doctors, nurses, first responders, patients and visitors connected.

## Mobilizing Healthcare One Hospital at a Time

Wireless is an indispensable tool for delivering excellent patient care and improving the overall patient experience.

Doctors, clinicians and first responders need to communicate and coordinate - all while on the move.

In addition, patients and visitors rely upon their smartphones and tablets to stay connected with friends and family.

## Enabling World-Class Care with Reliable Coverage

SOLiD solutions deliver performance, cost efficiency and scalability through future-prepared infrastructure that enables hospitals to focus on patient care and positive outcomes.

Our innovative DAS and Optical Network solutions are engineered to optimize building and campus fiber resources.

Requiring just one strand of fiber, SOLiD's neutral-host DAS supports commercial cellular (multi-operator, multi-carrier) and public-safety (UHF/VHF/700/800) services on a single modular platform.

Code-compliant, NEMA-rated enclosures and sophisticated filtering technology ensures delivery of truly mission-critical wireless service.

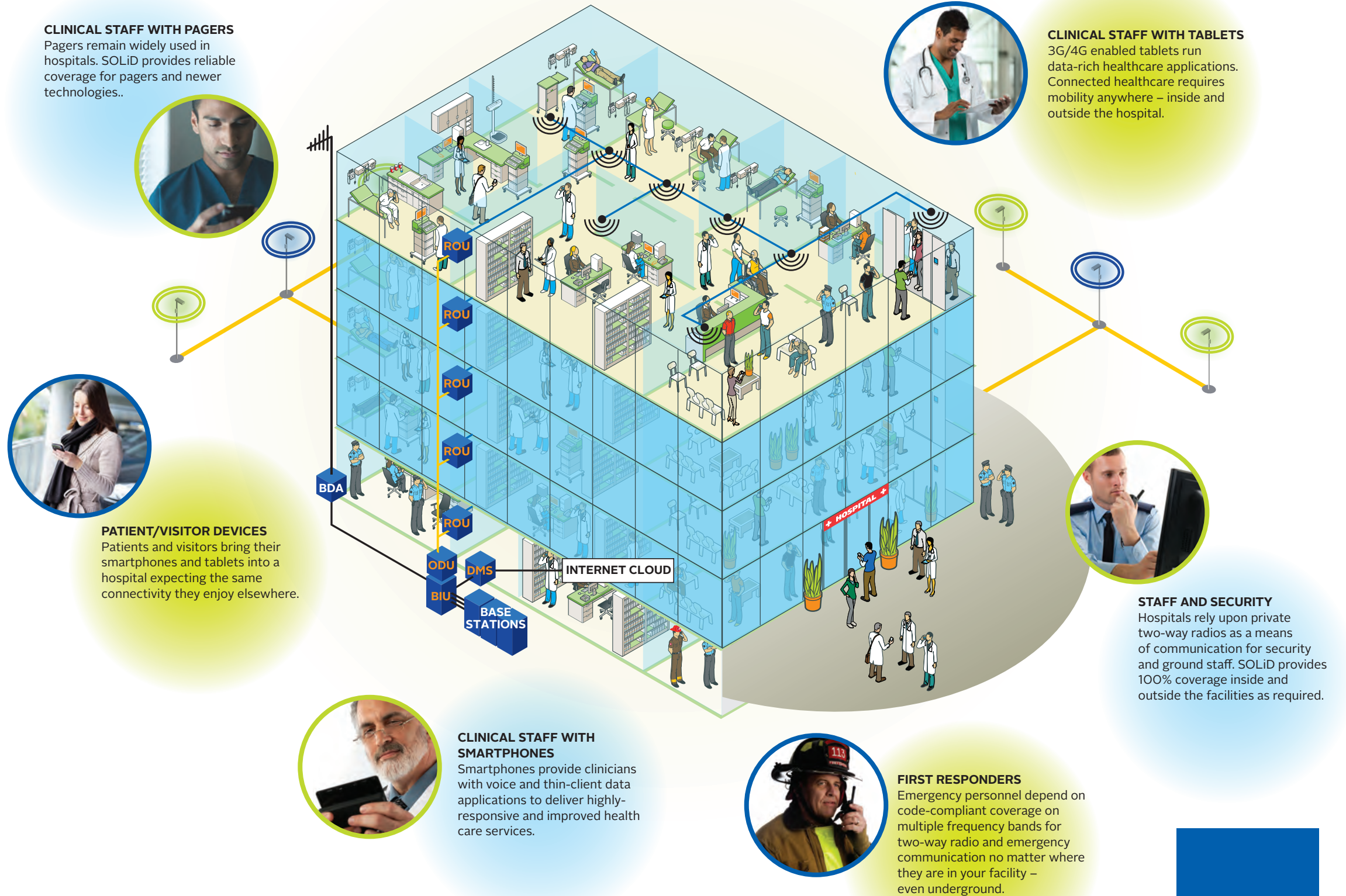
SOLiD's Optical Transport solutions deliver carrier-grade and enterprise-ready performance and a scalable platform for deploying high-capacity Gigabit Ethernet services inside buildings and across campuses.

SOLiD's Professional Services ensure optimal design and deployment, maintenance, monitoring and expert support.

## Building the Hospital of Tomorrow, Today

SOLiD technology solutions and services are designed to scale to support near-term and future growth as hospital operations evolve.

These technological building blocks help ensure that caregivers are supported in their overarching goal to improve patient safety and care.



**CLINICAL STAFF WITH PAGERS**  
Pagers remain widely used in hospitals. SOLiD provides reliable coverage for pagers and newer technologies..

**CLINICAL STAFF WITH TABLETS**  
3G/4G enabled tablets run data-rich healthcare applications. Connected healthcare requires mobility anywhere – inside and outside the hospital.

**PATIENT/VISITOR DEVICES**  
Patients and visitors bring their smartphones and tablets into a hospital expecting the same connectivity they enjoy elsewhere.

**CLINICAL STAFF WITH SMARTPHONES**  
Smartphones provide clinicians with voice and thin-client data applications to deliver highly-responsive and improved health care services.

**FIRST RESPONDERS**  
Emergency personnel depend on code-compliant coverage on multiple frequency bands for two-way radio and emergency communication no matter where they are in your facility – even underground.

**STAFF AND SECURITY**  
Hospitals rely upon private two-way radios as a means of communication for security and ground staff. SOLiD provides 100% coverage inside and outside the facilities as required.

1 STRAND OF FIBER PER SECTOR EXAMPLES



# SOLiD Solution Suite for Healthcare Facilities:

	DISTRIBUTED ANTENNA SYSTEMS		OPTICAL NETWORKING SOLUTIONS	
	ALLIANCE™ Multi-Carrier DAS	EXPRESS™ Single-Carrier DAS	INFINITY™ ACCESS™ DWDM	INFINITY™ CWDM
<b>HIGH CAPACITY</b>				
Bi-directional uplink/downlink on one fiber	■	■	■	■
Dense Wave Division Multiplexing			DENSE	COARSE
<b>MAXIMIZE EXISTING ASSETS</b>				
Seamless inter-working with multi-mode and single-mode optics.			■	
Reclaim up to 31 fiber strands			■	
Support 8 remote optical units with 1 fiber strand	■	■		
<b>ZERO-TOUCH SETUP SAVES TIME AND MONEY</b>				
Auto Tune Laser			■	
EasySET Auto Provisioning Software		■		
Pre-configured components	■	■	■	■
<b>PAY AS YOU GROW</b>				
Modular Design	■	■	■	■
Grow from 1 to 16 channels			16 CHANNELS	8 CHANNELS
Grow from 1 to 60 Remote Radio Units	■	■		
<b>OPTIMIZED FOR LARGE DEPLOYMENTS</b>				
Supports fiber lengths up to 45 km without amplification or regeneration			■	
Very low latency, zero jitter and packet loss			■	
Optional link redundancy available for mission critical services			■	■
<b>SUPPORT FOR MULTIPLE SERVICES</b>				
100 to 1000Mbps, Gb and 10Gb Ethernet, Synchronous Ethernet, Carrier Ethernet, CPRI/OBSAI in any protocol			■	■
VHF, UHF, 700MHz, 800MHz, 850MHz, 900MHz, 1900MHz, 2100MHz, Paging	■	■		
SONET OC48, OC12 and OC3				■
Remote monitoring / SNMP	■	■	■	

## Connect with SOLiD

SOLiD empowers capacity and coverage for cellular and public safety services at large venues and campuses through innovative Distributed Antenna System (DAS) and carrier-grade Optical Network solutions for Small Cell Backhaul and Passive Optical LAN (POL) deployments.

For more information or complete technical specifications, please visit our website or contact us via email or phone.

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