SOLiD
PUBLIC SAFETY

In-building Communications for the Public and First Responders is Mission-Critical. Is Your Building Ready?

PUBLIC-SAFETY COVERAGE

Mission-critical in-building communications ensures the Public can be notified and communicate during a crisis and First Responder radio systems work when they arrive at the site.

The Challenge Of Emergency Preparedness

In-building wireless communication is essential for everyone who enters a large building or venue.

But in a crisis, receiving notifications and communicating with emergency personnel is mission-critical.

The same is true for emergency First Responders who rely upon public-safety and cellular networks to communicate with each other and with other agencies.

SOLiD's innovative Distributed Antenna Systems (DAS) and Professional Services are proven solutions to make buildings safer.

Mission-Critical Public–Safety Solutions

We innovated our DAS solutions with public-safety communications in mind.

Our multi-service, "neutral host" DAS converges public-safety and commercial cellular services on a single platform capable of supporting UHF, VHF, 700 and 800 MHz public-safety frequencies in addition to cellular bands.

To compliment an existing DAS or enable venue owners to comply with public-safety building code mandates, the SOLiD quad-band public-safety DAS supports UHF, VHF, 700 and 800 MHz wireless frequencies.

SOLiD is the only DAS manufacturer to offer code-compliant, NEMA-rated enclosures and employ sophisticated filtering to eliminate potential RF interference to ensure delivery of truly mission-critical wireless service.

Public-Safety Innovation & Commitment

As a founding member of the Safer Buildings Coalition, SOLiD is a recognized incubator of public-safety solutions.

Plus, available professional services solutions ensure a well-architected design as well as optimal deployment and network management of public-safety and commercial cellular services using industry best-practices.

Mission-critical in-building communications for the General Public and First Responders - that's what we call a safer building.

SAFER BUILDINGS™

BUILDING IT STAFF
Building IT staff need a single powerful solution to seamlessly support all key public safety services while providing for other uses like cellular and data service as well as paging and WiFi – without the danger of signal interference.

PUBLIC NOTIFICATION
Guests and employees in the building need to be quickly and effectively notified by security staff when there is an emergency.

BUILDING SECURITY STAFF
Security personnel rely upon private two-way radios wireless to do their jobs and maintain a safe environment – inside and outside of the building.

FIRST RESPONDERS
Police and Fire 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 – through thick building walls and even underground.

PUBLIC COMMUNICATION
Building guests and employees need to be able to stay connected with friends and family when there is an emergency.

ROU
ODU   DMS   INTERNET CLOUD
BIU
BASE STATIONS
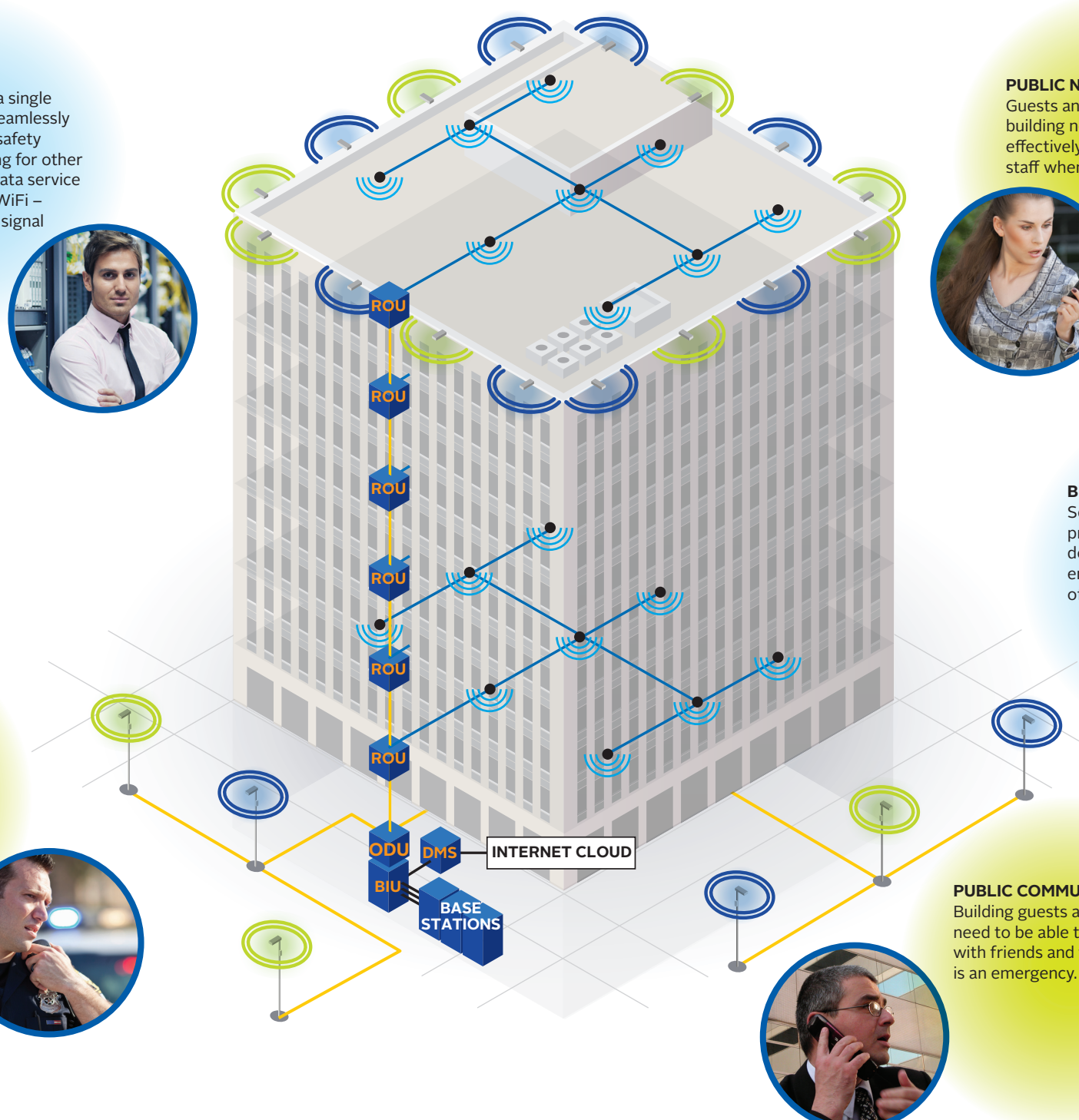
1 STRAND OF FIBER PER SECTOR EXAMPLE

LTE RRH / WiFi   LTE DAS / WiFi   IN-BUILDING DAS

SOLiD

SOLiD Solution Suite for Public Safety:

	DISTRIBUTED ANTENNA SYSTEMS		OPTICAL NETWORKING SOLUTIONS	
	ALLIANCE™ Multi-Carrier DAS	**EXPRESS™** Single-Carrier DAS	**INFINITY™ ACCESS™** DWDM	**INFINITY™** CWDM
HIGH CAPACITY				
Bi-directional uplink/downlink on one fiber	■	■	■	■
Dense Wave Division Multiplexing			DENSE	COARSE
MAXIMIZE EXISTING ASSETS				
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	■	■		
ZERO-TOUCH SETUP SAVES TIME AND MONEY				
Auto Tune Laser			■	
EasySET Auto Provisioning Software		■		
Pre-configured components	■	■	■	■
PAY AS YOU GROW				
Modular Design	■	■	■	■
Grow from 1 to 16 channels			16 CHANNELS	8 CHANNELS
Grow from 1 to 60 Remote Radio Units	■	■		
OPTIMIZED FOR CAMPUS DEPLOYMENTS				
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			■	■
SUPPORT FOR MULTIPLE SERVICES				
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, public safety, and Wi-Fi 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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SOLiD

SAFER BUILDINGS™ FOUNDING MEMBER

TL9000 H,V R4.0/R4.0

ISO9001 CERTIFIED

ISO14001

UL · NEMA · NFPA · IFC®