

# MOTOTRBO™ CAPACITY MAX









## HIGH CAPACITY, COVERAGE AND CONTROL

**The next generation of trunking has arrived. MOTOTRBO Capacity Max blends real-world experience with technological innovation to deliver a communications solution that's tailor-made for your organisation.**

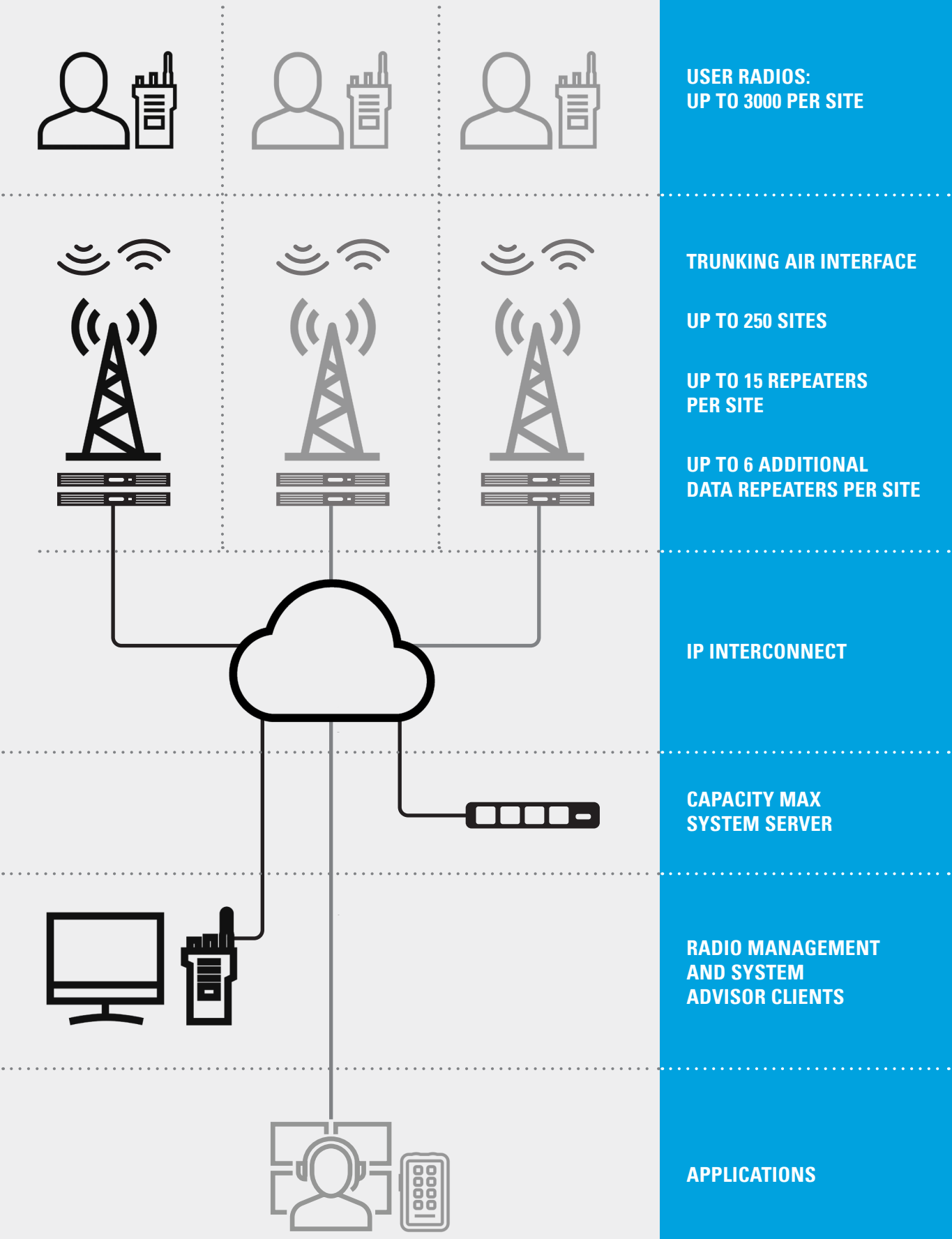
Your communications system is at the heart of your organisation: keeping your workers productive and maintaining safety at all times. So when you're a large organisation with sophisticated requirements and the highest standards, you should choose the best technology and the most comprehensive solution: MOTOTRBO Capacity Max.

Capacity Max is a trunked radio system with a dedicated control channel at every site. The centralised architecture reduces deployment complexity and operational cost, while increasing flexibility and scalability. The system offers a crisp, responsive user experience, with high security and reliability. A suite of built-in tools and applications gives you complete control and visibility of your system's operation.

## MOTOTRBO SYSTEM TYPES

CONVENTIONAL	IP SITE CONNECT	CAPACITY PLUS	CAPACITY MAX
NON- TRUNKING		TRUNKING	
BASELINE CAPACITY AND COVERAGE	ENHANCED COVERAGE	COST-EFFECTIVE COVERAGE AND CAPACITY	CAPACITY, COVERAGE AND CONTROL
 SINGLE SITE	 UP TO 15 SITES	 UP TO 15 SITES	 UP TO 250 SITES
 UP TO 200 USERS	 UP TO 200 USERS	 UP TO 1600 USERS PER SITE	 UP TO 3000 USERS PER SITE

# SYSTEM ARCHITECTURE



**USER RADIOS:**  
**UP TO 3000 PER SITE**

**TRUNKING AIR INTERFACE**

**UP TO 250 SITES**

**UP TO 15 REPEATERS PER SITE**

**UP TO 6 ADDITIONAL DATA REPEATERS PER SITE**

**IP INTERCONNECT**

**CAPACITY MAX SYSTEM SERVER**

**RADIO MANAGEMENT AND SYSTEM ADVISOR CLIENTS**

**APPLICATIONS**

# HIGH CAPACITY, COVERAGE AND CONTROL

## HIGH PERFORMANCE

Capacity Max has a fast, responsive user experience with robust performance under load and rapid and smooth roaming across sites. With Capacity Max, security is built in with options for authentication, access control, and encryption as standard. And to ensure optimum operation, Capacity Max incorporates sophisticated fault management and call monitoring tools.

## EFFICIENT

The system is built around a standardised IP network: there is no requirement for specialised interconnections. Signalling and traffic flow has been optimised to make the most efficient use of network bandwidth. The Capacity Max System Server (CMSS) centralises control and management functions, as well as hosting voice applications gateways.

## SCALABLE

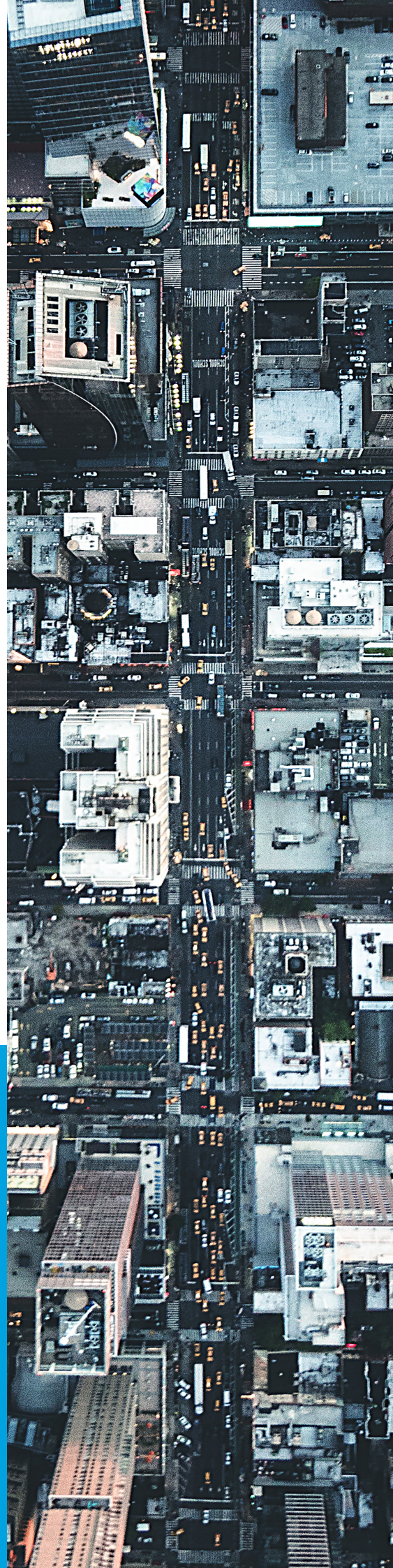
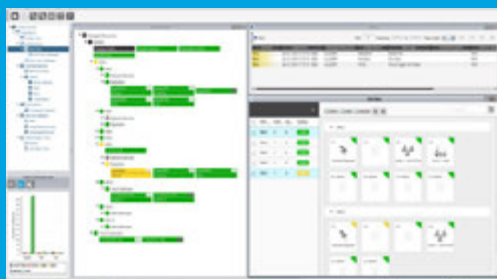
Capacity Max is scalable to 250 sites, with up to 15 voice and data repeaters and up to 6 additional data-only repeaters per site, giving high-quality connectivity to up to 3,000 users at each location.

The system uses standardised infrastructure, so you can migrate to Capacity Max from a MOTOTRBO IP Site Connect, Capacity Plus or Connect Plus system and reuse your earlier investment.

### RADIO MANAGEMENT



### SYSTEM ADVISOR





## RADIO COMPATIBILITY



DP3000e Series

DP4000e Series

DP4000 Ex Series

SL4010e

ION

DM4000e Series

## APPLICATIONS

Capacity Max supports a broad ecosystem of voice and data applications from the MOTOTRBO Application Developer Program.

For Control Room Solutions, Capacity Max supports **SmartPTT PLUS** and **TRB0net PLUS**.



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