



MIGRATING TO MISSION CRITICAL BROADBAND SERVICES

23/10/2023



MOTOROLA SOLUTIONS

PICCOLO RIASSUNTO PUNTATE PRECEDENTI - POLIMI

2016

HELPING PEOPLE
BE THEIR BEST
IN THE MOMENTS
THAT MATTER



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2017



MORE DATA IS NOT
THE ANSWER

ACTIONABLE
INTELLIGENCE IS

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2018

UNDERSTANDING HOW USERS SELECT THE RIGHT TOOL

JOB TO BE DONE

CONTEXT

AFFORDANCES

THE MOST
EFFICIENT AND
SAFE WAY TO GET
THE JOB DONE **WINS**



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2019



STANDARDIZZAZIONE
DEVICE MC BROADBAND
PER SERVIZI PPDR

Standardizzazione
delle funzionalità
mission critical, per
raggiungere
performance
equivalenti ai sistemi
radio

DISPONIBILITA'
APPARATI MC
BROADBAND PER
SERVIZI PPDR

Implementazione
commerciale,
disponibilità spettro
PPDR, economia di
implementazione ed
uso operativo

TEMPI DI ADOZIONE
DEGLI UTENTI PER
SERVIZIO BROADBAND
MISSION CRITICAL

Accettazione da parte
degli utenti ed
equivalenza con sistemi
LMR in scenari operativi
mission-critical.

GESTIRE LA
MIGRAZIONE A
SERVIZI BROADBAND
MISSION CRITICAL

Processi,
pianificazione,
discussione con
operatori di reti mobili,
valutazioni legali,
prove e test

INTEROPERABILITA'
CERTIFICATA (IOP) IN
UN ECOSISTEMA
MULTI VENDOR

Sfruttare gli standard
aperti attraverso
processi di test di
interoperabilità formali;
promuovere
l'innovazione, evitando il
blocco sul singolo
fornitore.

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WHAT IS MISSION CRITICAL?

2021

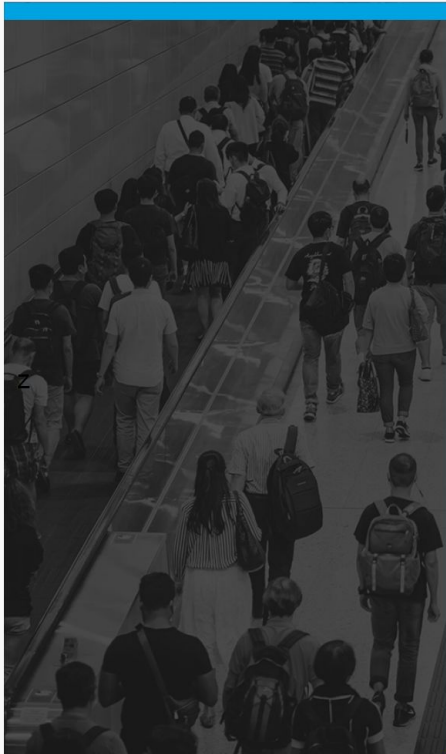


99.99%
DISPONIBILITA'

50ms
LATENZA

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2022



TOPLINE FINDINGS FROM THE CONSENSUS FOR CHANGE REPORT

The pandemic changed the way we think about safety

88%

of citizens globally
now want to see public
safety transformed
through the use
of advanced technology.

- **71%** say advanced technologies are needed to address challenges of the modern world.
- **70%** say emergency services should be able to predict risk.
- **75%** are willing to trust organizations that hold their information so long as they use it appropriately.

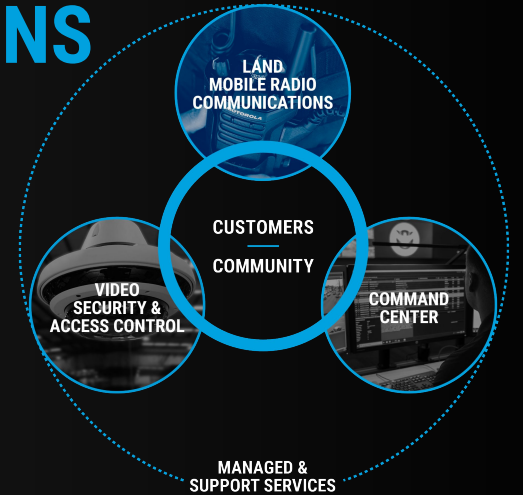


LAND MOBILE RADIO COMMUNICATIONS

Mission-Critical Voice + Multimedia Collaboration

**Protect your push-to-X lifeline.
So you're always connected.**

We build infrastructure and devices that enable mission-critical communications, so the lifeline is always in reach. By reinforcing radio with broadband capabilities, we enable the instant voice and multimedia collaborations that keep our users safe and aware when it matters most.



Global leader in every two-way radio standard and LTE solution.

- APCO P25
- TETRA
- Digital Mobile Radio
- Professional Radio Standards
- Public and Private LTE Networks
- Purpose-Built Broadband Devices
- Broadband Push-to-X
- LMR/LTE Interoperability

PURPOSE-BUILT TECHNOLOGY ECOSYSTEM

APPS



Emergency call taking



Dispatch



Data Dashboards



Video evidence



Case management

Public Protection and Disaster Relief Applications



Dispatch Communications



Security and Operations

Smart City and Enterprise Security Applications

DATA & ANALYTICS



Public Safety Big Data



Device / Service Management

NETWORK

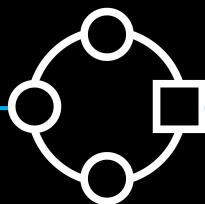
Carrier (4G/5G)



Private broadband



LEO Satellite



Interworking



LMR (TETRA)



Deployable



Other LMR



Cybersecurity

EDGE / USERS



Person



Vehicle



Infrastructure

SMARTCONNECT

Takes your voice beyond the boundaries of your radio system

SmartConnect automatically switches you to broadband LTE as soon as your radio signal fades



STAY **SAFE**, AND STAY **CONNECTED**



SMARTLOCATE

Make sure you know where your officers are – at all times

SmartLocate routes your location data over broadband LTE, for better accuracy and efficiency



WHEN AN OFFICER ASKS FOR BACKUP, YOUR FIRST QUESTION IS **“WHERE ARE YOU?”**



SMARTMAPPING

The intelligence tool that's always with you.

From simple location to detailed situational awareness, SmartMapping keeps you on track.



STAY **ON TRACK**. STAY **IN TOUCH**. STAY **UP-TO-DATE**.



MOBILE ACCESS TO INTELLIGENCE



SMARTMESSAGING

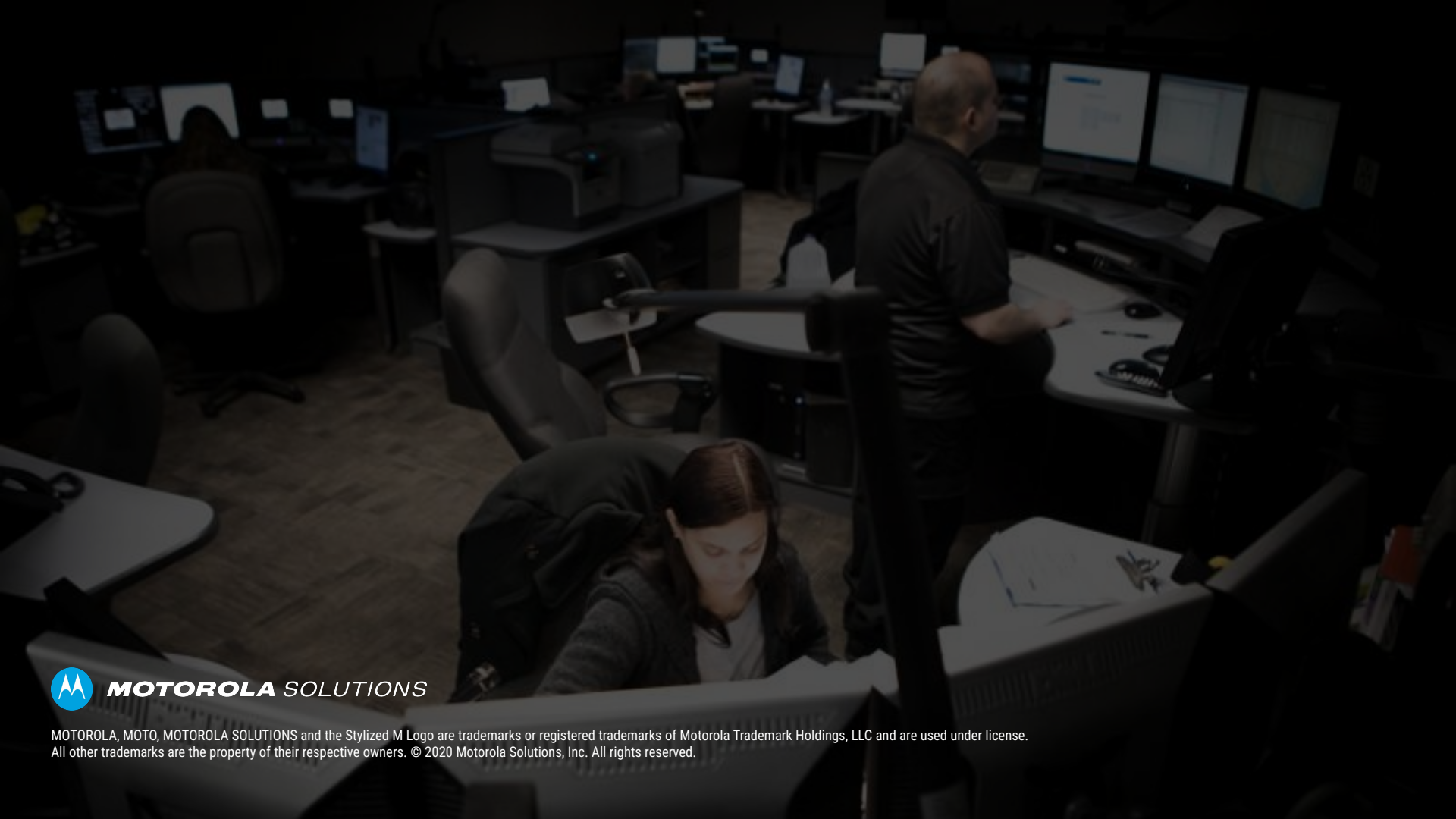
Transform your radio into a multi-media communications toolkit.

Use LTE to share texts, images, videos and voice notes across your extended team.



SHARE. INFORM. **COLLABORATE.**





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