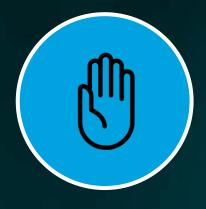


QUESTIONS?









Phone lines are muted

Type questions in the "Questions" area on the webinar control panel

Raise your hand if you prefer to ask in your own voice

Session is being recorded

AGENDA

Introduction - 10:00

Jerry Nachmann

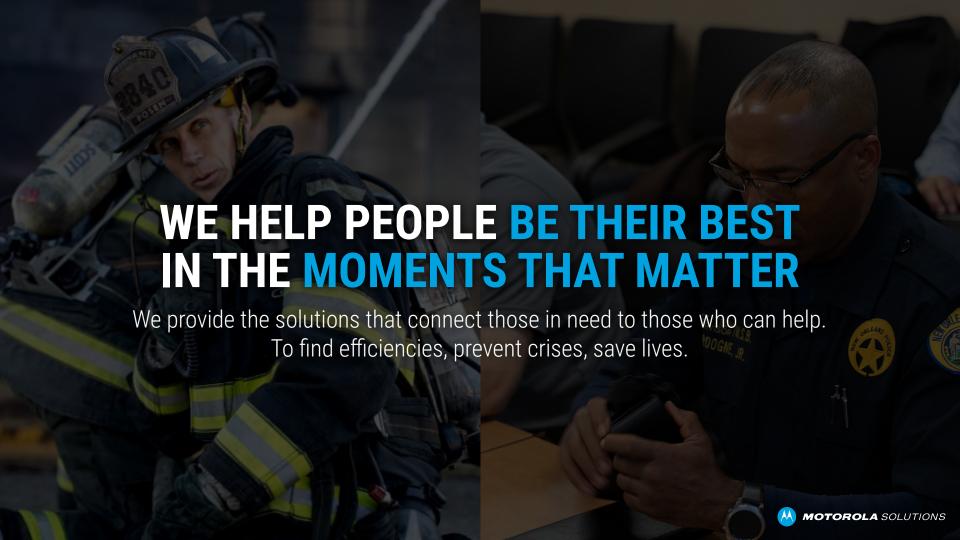
Regional Marketing Manager

CAD & CONTROL ROOM SOLUTIONS - 10:05
CONTROL CENTRE EVOLUTION

Yann Marston

Software Consultant Control Rooms

Q&A - 10:25



MISSION-CRITICAL ECOSYSTEM

Video Cameras, Recorders, Encoders
Body Worn Cameras
In-Car Video
Access Control
Unusual Motion Detection
Appearance Search
License Plate Recognition

MISSION-CRITICAL COMMUNICATIONS

MANAGED &

SUPPORT SERVICES

COMMAND

CENTER SOFTWARE

CUSTOMERS
CITIZENS
VIDEO
SECURITY &
ANALYTICS

TETRA
APCO P25
Digital Mobile Radio
Public Safety LTE Networks
Purpose-built Broadband Devices
Broadband Push-to-X
LMR/LTE Interoperability

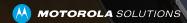
Emergency Call Management Voice and Computer Aided Dispatch Command & Control

Field Response & Reporting Records and Evidence Management Analysis and Investigations Community Engagement

24/7 Network Ops Management

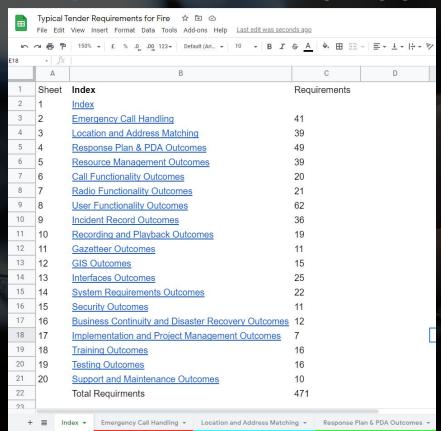
Cybersecurity Monitoring Service Continuity Risk Management

Multi-technology Integration Comprehensive Disaster Preparedness Outcome-based Service Levels





A MODEL TENDER FOR CONTROL ROOMS



Real Market Requirements:

- 18 months of research
- 15 different control room tenders
- 1000's of individual requirements

Analysed and Consolidated into:

- A Model Tender spreadsheet
- 471 Outcomes based requirements
- 20 Subject areas
- 5 emerging trends
- 3 emerging strategic goals

Freely available to download

Email: Yann.marston@motorolasolutions.com



5 SHIFTS IN THE CONTROL ROOM REQUIREMENTS



FIXED CAPACITY WITH STANDBY CONTROL ROOMS



PHYSICAL COMMAND & CONTROL ROOM



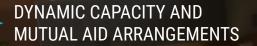
VOICE-ONLY
PUBLIC CONTACT
CHANNEL



PREDICTABLE GROWTH
IN DEMAND FOR SERVICE



BEST OF BREED POINT PRODUCTS - S.I.A.M







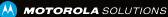
SEAMLESS INTEGRATION ACROSS MULTIPLE DIGITAL CHANNELS





INTEGRATED PLATFORM WITH SEAMLESS WORKFLOWS









THE "NEW NORMAL" HAS STRAINED EXISTING RESILIENCE PLANS

In-person on-site technical support reduced due to lockdown and social distancing measures

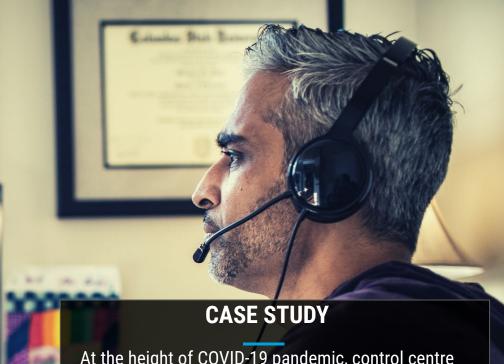
Control rooms faced challenges in maintaining staffing and service levels when staff were ill or needed to self-isolate after exposure

Enabling remote working for emergency call takers was not possible for most emergency services during the COVID-19 pandemic due to inflexible system architectures.

Source: EENA



MOTOROLA SOLUTIONS



At the height of COVID-19 pandemic, control centre staff was reduced to a minimum, home-work opportunities expanded, and duty rosters created around assigned teams to ensure only one team would have to be replaced in case of infection.

Source: Notruf Niederösterreich Emergency Command and Control Centre Lower Austria

EUROPEAN ELECTRONIC COMMUNICATIONS CODE (EECC)













DIRECTIVE (EU) 2018/1972 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 11 December 2018 establishing the European Electronic Communications Code

Aligning protections, including security requirements, for end-users of OTTs with those of traditional telecoms providers
Requiring maximum harmonisation in relation to consumer protection provisions, which means that member states may not impose more, or less, stringent provisions than those set out in the EECC
Specifying that bundles of services that include an internet access service or publicly available NB-ICS must apply certain consumer protection provisions to the whole bundle

Enhancing user rights during the switching of internet access services and the porting of phone numbers Establishing a universal service ensuring availability and affordability of both broadband and voice communications Strengthening protection of citizens in emergency situations

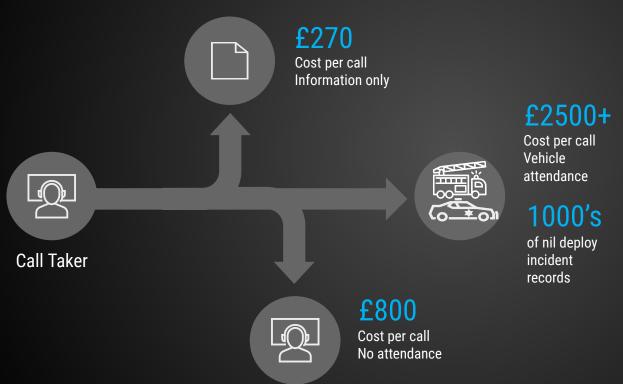
EQUALITY OF ACCESS TO EMERGENCY SERVICE REGARDLESS OF PHYSICAL ABILITY

THE RISE OF **OMNI-CHANNEL** COMMUNICATIONS



THE REAL COST OF MANAGING DEMAND

CASE STUDY



190%

Increase in the number of incidents resolved without requiring officer attendance over a 2-year period through application of THRIVE risk assessment for routine/non-attendance calls

Source: Force Management Statement Metropolitan Police (UK)



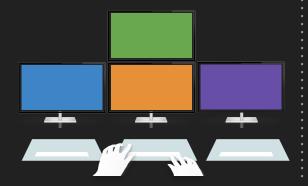
GENERATION ONE - SEPERATE SYSTEMS

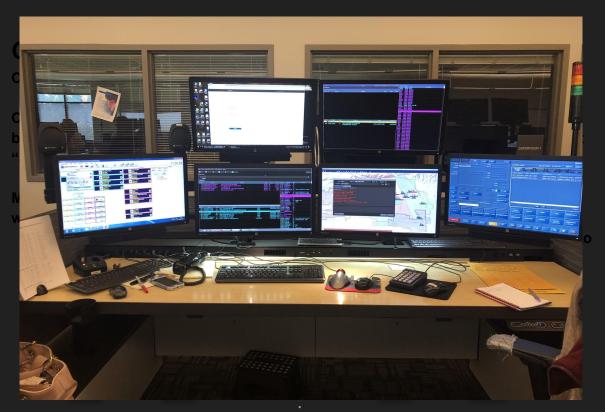
Gen 1: Point Systems

Capability = System

User forced to learn and interact with multiple disparate systems; data not shared across systems

More systems means more complex workflows







3 STRATEGIC OUTCOMES OF A NEW CONTROL ROOM



STREAMLINED WORKFLOWS

Accelerated workflows through a unified data environment and intuitive user experiences, combine with intelligent assistance for better decision-making



WORKPLACE MOBILITY

Flexible architecture enables staff to work from any location and across different devices



SIMPLIFIED EVOLUTION

Access to the most current features available at any time without experiencing downtime and operational disruption

GENERATION TWO - INTEGRATED PLATFORM

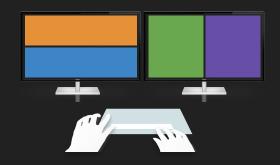


Gen 2: Platform

Capability = Modules

Consistent UI, user select modules to "assemble" their workflow.

INTEGRATED capabilities SIMPLIFY complex workflows.





COMMANDCENTRAL





COMMANDCENTRAL COMPONENTS



LIFECYCLE ROLES

MODULES





PRONTO MOBILITY APP

BODY WORN VIDEO IN-CAR VIDEO CCTV & DRONES

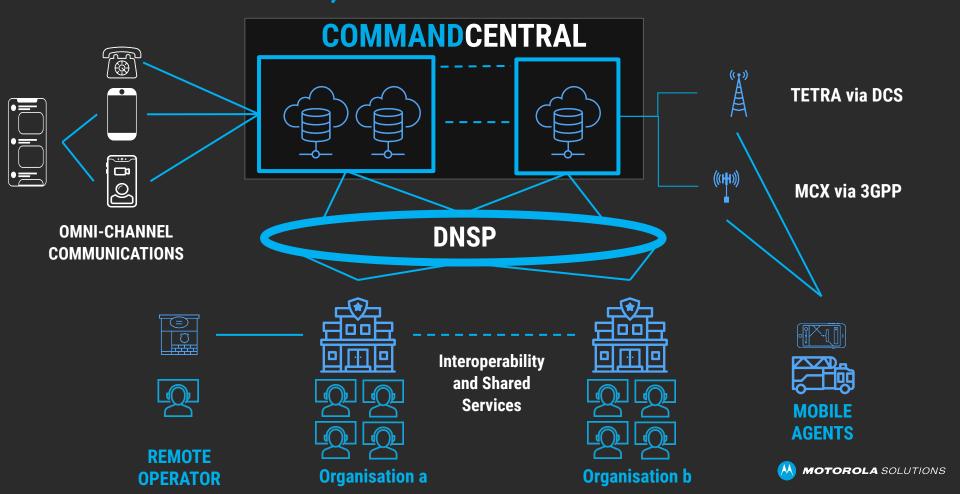
INCIDENT MANAGEMENT POST-INCIDENT RESOLUTION **INCIDENT AWARENESS** COMMUNITY COMMANDCENTRAL COMMANDCENTRAL COMMANDCENTRAL **ENGAGEMENT** COMMANDCENTRAL COMMANDCENTRAL **MODULE CRS** CAD **AWARE VAULT RMS Public** CCTV or **Digital Asset Records Investigator** Dispatcher Operationa Taker Manager Telephone & Radio Submit & Populate Forms Real Time & Historical Ingest, Correlation. Events. Records and Links to Command Communications and Storage and Sharing of Multimedia Assets Submit Multimedia via QR & Control Playback of Live Video **Contact Management** Digital Multimedia Code

Cloud Hosted & Storage
Unified digital assets including, communication & collaboratio

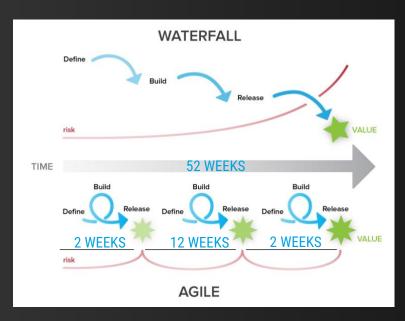
COMMANDCENTRAL

Centralised Access to Interfaces
Analytics & Artificial Intelligence

DELIVERING FLEXIBILITY, MUTUAL AID AND RESILIENCY



COMMANDCENTRAL EVOLVES USING AGILE DELIVERY



ADVANTAGES OF AGILE OVER WATERFALL

- CUSTOMER FOCUSED DEVELOPMENT
- REGULAR FEATURE ENHANCEMENTS DELIGHT CUSTOMERS
- CAN REACT QUICKLY TO NEW HIGH PRIORITY REQUIREMENTS
- KEEPS PACE WITH MARKET REQUIREMENT NO LEGACY

DEVELOPMENT ENVIRONMENT







DEVELOPERS
DEFINE
BACKLOG
WITH USERS

DEFINE

SAND BOX ENVIRONMENT







BUILD SOLUTIONS WITH USERS

BUILD

PRODUCTION ENVIRONMENT





DEVELOPERS
RELEASE
FEATURES ON
LIVE PLATFORM

RELEASE





EVERYTHING WE DO COMES BACK TO OUR PROMISE WE INNOVATE TO MOBILIZE AND CONNECT PEOPLE IN THE MOMENTS **THAT MATTER** MOTOROLA SOLUTIONS

NEXT IN NORDIC MOMENTS THAT MATTER

WAVE PTX
APPLICATIONS

MXP600 & M-RADIO
CONTROL APPLICATION

OCT 12TH 15:00 CEST
DEPLOYABLE LTE "TACTICAL
BUBBLE" SOLUTIONS

WE WANT TO ADDRESS TOPICS THAT ARE OF INTEREST AND RELEVANCE TO YOU, PLEASE DO NOT HESITATE TO REACH OUT WITH AN IDEA FOR A SESSION.

Contact Anders Ljunggren: anders.ljunggren@motorolasolutions.com, or Laust Michaelsen: laust.michaelsen@motorolasolutions.com, with topic suggestions, question or comments.



PREVIOUS SESSIONS IN NORDIC MOMENTS THAT MATTER

- MAKE THE RADIO WORK FOR YOU MXP600 ACCESSORIES
- VIDEO IN THE MISSION CRITICAL ECOSYSTEM
- TETRA AND MISSION CRITICAL BROADBAND ON COLLABORATION AND EVOLUTION
- THE CONNECTED FIRST RESPONDER
- NEXT GENERATION CONTROL ROOMS
- APPLIED BODY-WORN VIDEO
- VIDEO ANALYTICS, IT'S NOT ALWAYS ABOUT CAMERAS
- MANAGED SERVICES NØDNETT UNWRAPPED
- WAVE PTX BROADBAND PTT & EVOLVE LTE HANDHELD

REPLAYS AVAILABLE ON THE NORDIC MOMENTS THAT MATTER WEBSITE https://www.motorolasolutions.com/en_xu/communications/nordic_moments.html

Hosted by Laust Michaelsen and Anders Ljunggren

Operated by Amanda Clifford

Design, production and promotion by Matthew Hetherington, Oliver Zuber and Jerry Nachmann

