

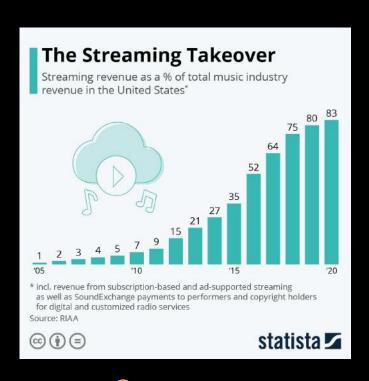
BETTER TECHNOLOGY V BETTER OUTCOMES



1000 Songs In your pocket

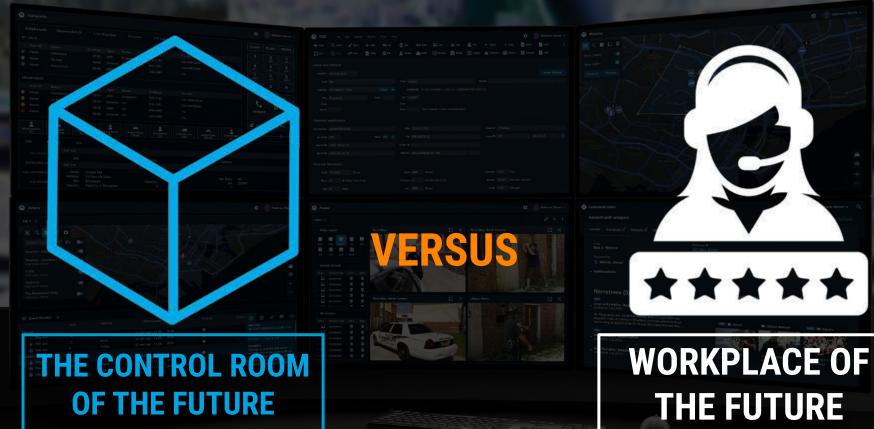


All your Songs Anywhere



Outcomes not technology

BETTER TECHNOLOGY VERSUS BETTER OUTCOMES



CHALLENGE ONE: THE WORK ENVIRONMENT

OPERATIONAL DEMANDS











TECHNOLOGY OBSOLESCENCE









PERSONAL STRESS









RETENTION & RECRUITMENT

A BETTER OUTCOME: THE VIRTUAL WORKPLACE

At the height of COVID-19 pandemic, control centre staffing 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.



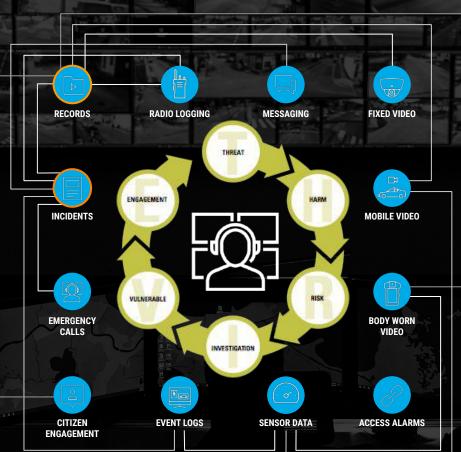
Service levels improved and as shift coverage could be switched on for shorter periods immediately. Distributed control center roles increased the catchment areas for recruitment Remote working became an "incentive" for great performance Lower stress working environment with more flexibility increased staff morale, lowering churn

CHALLENGE TWO: THE HUMAN SYSTEMS INTEGRATOR



Time Critical Decisions





SIMPLE PROCESS



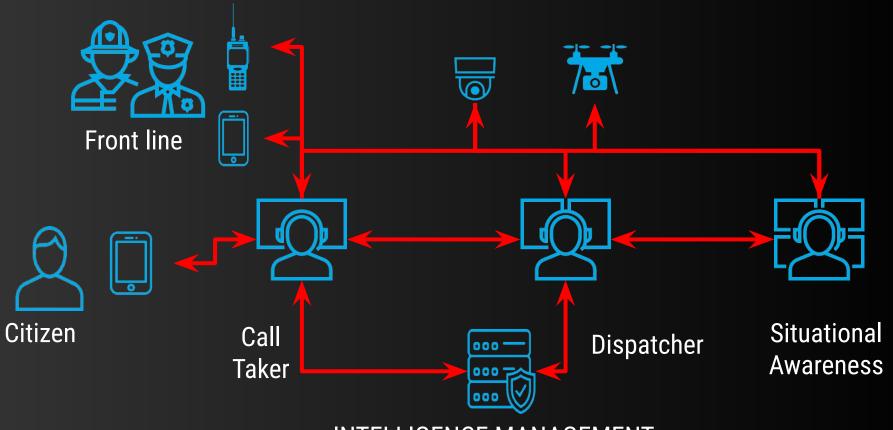
SILOED SYSTEMS



COMPLEX WORKFLOW



A BETTER OUTCOME: OPTIMISING WORKFLOWS



INTELLIGENCE MANAGEMENT



CHALLENGE THREE: THE INFINITE RFP LOOP New system System Meets Requirements Installed • Each cycle ends sooner with obsolescence • The requirement and costs increase each cycle SAPABILITY • More time is spent with a failing system System Is Obsolete TIME Trigger for a new Procurement

A BETTER OUTCOME: EVERGREEN IT

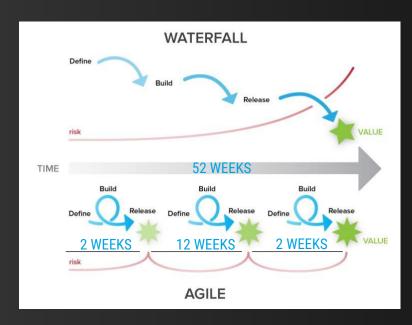
"A technology ecosystem that is continuously changing and evolving, never becoming out-of-date or obsolete'."

To realise the benefits of Evergreen IT you should view your services as a set of components that deliver particular functionality, rather than as specific systems or technologies

Source: Digital Directorate, scottish government 2020



A BETTER OUTCOME: EVERGREEN IT



ADVANTAGES OF AGILE OVER WATERFALL

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

DEVELOPMENT ENVIRONMENT







DEVELOPERS

DEFINE

BACKLOG

WITH USERS

BUILD

TRAINING ENVIRONMENT







BUILD SOLUTIONS WITH USERS

TEST

PRODUCTION ENVIRONMENT

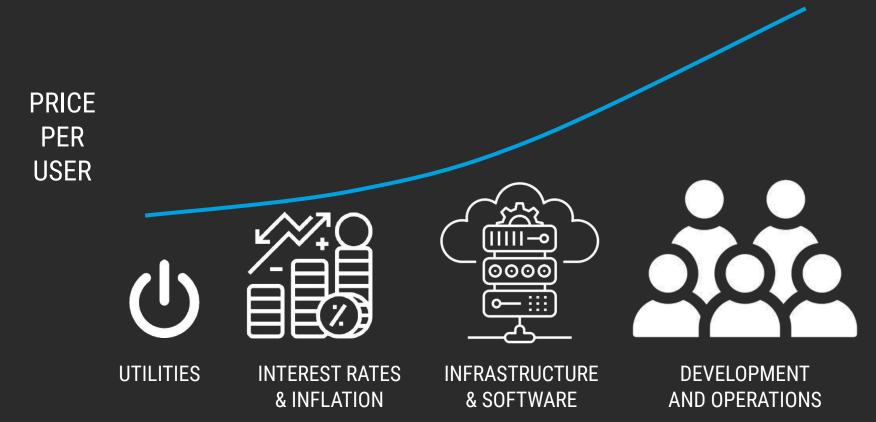




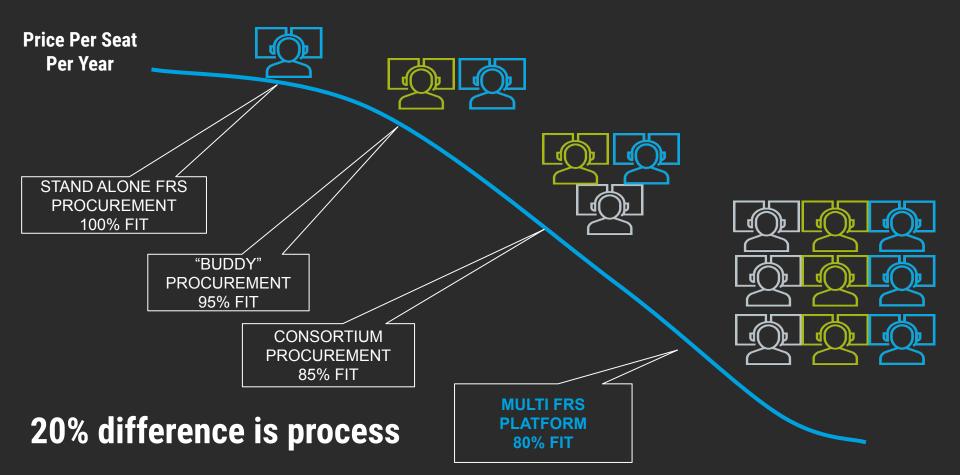
DEVELOPERS
RELEASE
FEATURES ON
LIVE PLATFORM

RELEASE

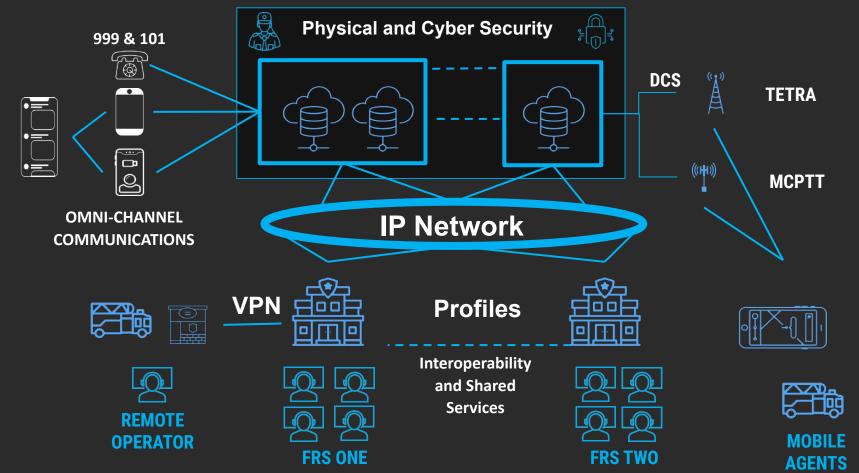
CHALLENGE FOUR: UPWARD ECONOMIC PRESSURE



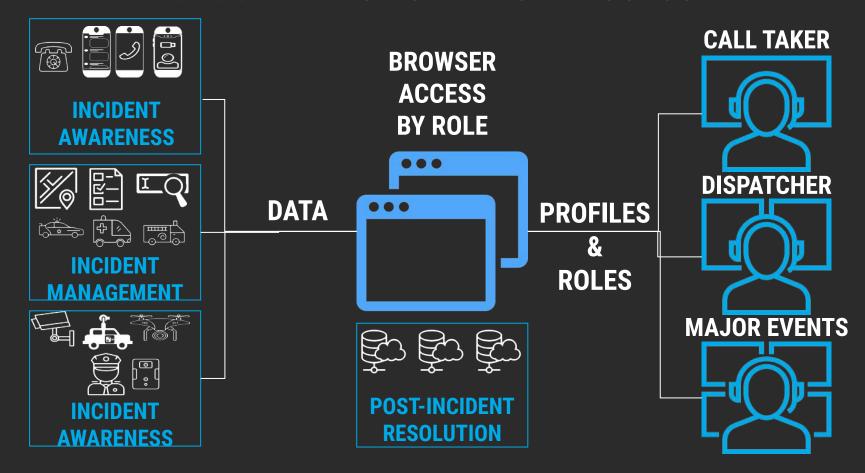
A BETTER OUTCOME: LEVERAGE ECONOMIES OF SCALE



A BETTER OUTCOME: CLOUD HOSTED PLATFORMS



A BETTER OUTCOME: BROWSER BASED ACCESS



CHALLENGES FOR THE VIRTUAL CONTROL ROOM



PROFILE

What functionality is needed for role?
Will the role be expanded with demand?
Can all functions be accessed remotely?



PERSISTENCE

How is data stored? Cloud - local encryption? How are local applications managed and supported? How resilient is access to the system (broadband)?



PRIVACY

Are communication links secure?
Is physical privacy possible (seperate room)?
Is system access controlled by 2 factor/biometrics?



PROCESS

Can Operators work effectively remotely, equipment? What are the organisational requirements? What are the supervisory processes?



PEOPLE

Retention - empowerment and work life balance Risk - Duty of Care in times of crisis and day to day Welfare - The operators performance and wellbeing

CLOUD SERVICES: BETTER OUTCOMES

MULTI AGENCY HOSTED PLATFORMS



Cost savings: More cost-effective than on-premises infrastructure and support, especially for small agencies who are able to share the platform

Flexibility: Accessed from anywhere with secure internet connection, making it easier to collaborate, work remotely and respond quickly to demand

Security: Industry leading physical and cyber security measures provide better security than most agencies could afford to implement on their own.

Integration: Open API's simplify the integration of other cloud-based and on-premises systems making optimsed workflows possible

Disaster recovery: Cloud services provide robust disaster recovery capabilities, allowing agencies to recover outages quickly.

Scalability: Cloud services can easily be scaled up or down to meet changing business needs without needing additional on prem-hardware.

Reliability: Cloud providers often have the highly redundant infrastructure, which can provide better uptime and reliability than on-premises systems.

Automation: Cloud Platforms can include automation tools that can help agencies streamline workflows and reduce the need for manual intervention.

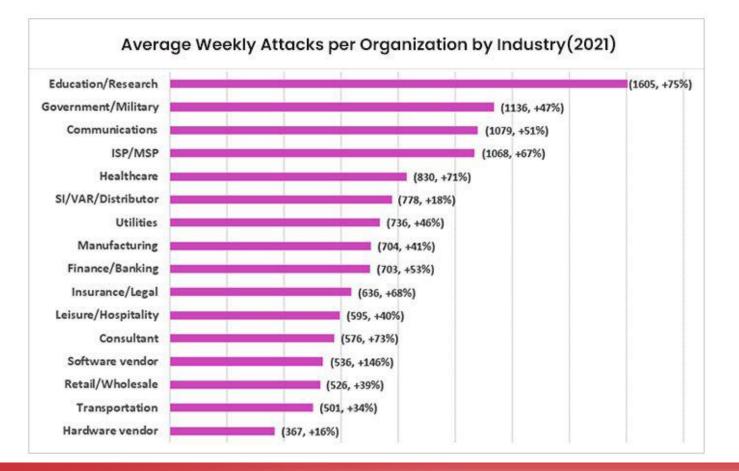
Innovation: Cloud services enable rapid deployment of functionality without interrupting service, supporting agile development and Evergreen IT.

Optimise scarce resources: Outsourcing non-core IT functions to the cloud frees up time and resources to focus on strategic projects, driving innovation

Flexibility, Resilience, Innovation & Choice



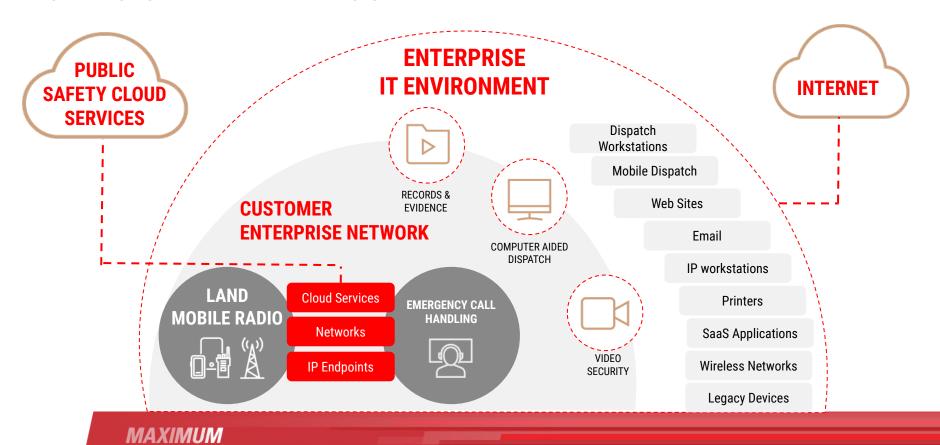






PUBLIC SAFETY LANDSCAPE







COMPREHENSIVE CYBER SOLUTION

EXPERTS IN TECHNICAL DELIVERY AND ADVISORY SERVICES



MATURITY ASSESSMENTS

Discover network and system vulnerabilities, and develop a strategy mapped to NIST, ISO and other frameworks.



PENETRATION TESTING

Actively attempt to exploit technology and social vulnerabilities to evaluate security risks.



TABLETOP EXERCISES

Practice and develop a framework for responding to a cyber incident and determine plans for actions and communications.



vCISO

A senior practitioner with a retainer based relationship who you can call upon to support activities and strategy



MANAGED DETECTION & RESPONSE

THE COMPLETE SECURITY COVERAGE

CLOUD













ENDPOINT











vmWare Carbon Black

NETWORK















SYSTEMS





Windows HostLogs









MSI 24x7 Security Operations
Centre

EXPERIENCED ANALYSTS

PRE-SCRIPTED RESPONSE ACTIONS

