



METRICELL MISSION CRITICAL BROADBAND OFFERING 2025

Assuring Your New Mission Critical Broadband Network

2007

ESTABLISHED

15+

YEARS EXPERIENCE

6B+

ESN SAMPLES

1,000+

TEST DEVICES

A digital assurance, testing and intelligence platform for resilient, secure and high-performing mission critical communications.

Mission critical network assurance as a continuous digital operating layer.

Metricell combines telecoms consulting, real-world measurement, automation, GIS visualisation and AI-enabled analytics so mission critical stakeholders can validate, understand and improve their broadband communications environment.

Digital transformation

Mission critical assurance

Testing automation

AI-enabled analytics

01 Real-world validation

Continuous field, indoor, static and vehicle-based measurement replaces one-off assurance with living evidence.

02 Actionable intelligence

Measurement, OSS, GIS and support data are brought into one view for dashboards, maps, alerts and workflow.

03 Independent delivery

Metricell combines software and services with radio optimisation, planning engineering and mission critical experience.

Automated technology for a better connected world.

Metricell is a software and services company focused on digital transformation for the telecommunications industry, with solutions tailored to network experience, subscriber and location-centric assurance.

2007

ESTABLISHED

15+

TELECOMS YEARS

40+

OPTIMISERS & ENGINEERS

AI

AUTOMATION FOCUS

Quality Management

Clear process implementation for quality customer service.

Environmental Management

Focused on environmental compliance and credentials.

Business Continuity

Protecting against threats and business interruption.

Information Security

A robust and secure approach to data security.

Unified mission critical broadband assurance platform.

Network Intelligence System

AI-powered network management and private data analysis.

Automated AI Solutions

Automated ticketing, analytics and network operations intelligence.



Centralised Mission Critical Assurance Platform

GIS, dashboards, analytics, workflow and stakeholder visibility.

AI Test & Measurement

Generic loading of in-building, drive test, scanner and CEM data.

Fully Digital Self Care

Support journeys with real-time analytics and customer-facing status.

SmartTools

Surveyor

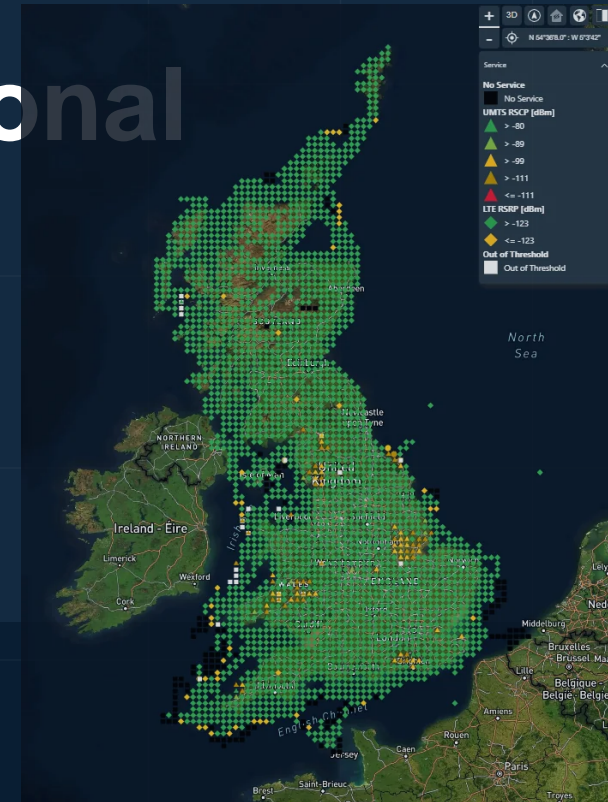
Beacon

AutoMobile

Spectrum Analyser

UK ESN Assure: scale, evidence and operational confidence.

ESN Assure launched in 2018 to support confidence in the UK's new LTE-based mission critical communications environment, using real-world testing, indoor surveys, vehicle-based data and centralised analytics.



300,000

SERVICE USERS

107

REGIONAL EMERGENCY SERVICE ORGANISATIONS

50

AMBULANCE SERVICES

44

POLICE FORCES

13

AMBULANCE TRUSTS

100+

CONTROL ROOMS

45,000

VEHICLES

538,000km

ROADS

Measurement evidence at national mission critical scale.

6B+

TOTAL SAMPLES

50,000

INDOOR FLOORS SURVEYED

97% / 99%

MINOR / MAJOR CONTRACTED ROADS MEASURED

1,000+

TEST DEVICES

~6,000

AREAS OF CONCERN IDENTIFIED

12 NM

COVERAGE OUT TO SEA

10,000 ft

AIR COVERAGE

700 + 19,000

NEW AND UPGRADED MASTS

Samples are collected, processed and analysed in a centralised platform to support assurance and validation of a dynamic mobile network environment.

Challenges addressed and lessons from ESN.

Coverage and Reliability

Network Resilience

Security

Interoperability

Regulatory Compliance

Public Perception

Transition Planning

Vendor Dependence

Training and Support

End User Acceptance

Cost Management

01

Stakeholders

02

Indoor vs Outdoor

03

Process

04

Service Levels

05

Testing

06

Devices

Use case hub: from data ingestion to customer support.

Data Ingestion and Visualisation

Fixed Location Monitoring

Crowdsourcing QoE

Calibrated Testing

Coverage Validation & Network Resiliency

Availability Management - Uptime

Availability Management - Impacts

Test Automation

Handheld Testing

Underground / Tunnel Testing

Measuring Key MCX Metrics

Network Improvements

Availability Management - Forecasts

Customer Support

AutoMobile, Beacon and Surveyor turn assurance into a living measurement layer.

AutoMobile

Vehicles become autonomous drive test units, collecting geolocated telephony data and automatically uploading results to the analytics platform.



Beacon

Fixed-location monitoring continuously tests mobile service at points of interest and critical indoor sites.



Surveyor

Android-based testing supports in-building surveys, route testing, site testing and live radio environment visibility.



Coverage, improvement and availability workflows.

01

Data aggregated into a standard grid

Coverage validation compares actual measurements against predicted service and required thresholds.

02

User defines analysis period

Coverage validation compares actual measurements against predicted service and required thresholds.

03

User defines thresholds

Coverage validation compares actual measurements against predicted service and required thresholds.

04

RAG visualisation

Coverage validation compares actual measurements against predicted service and required thresholds.

05

Drill-down per grid area

Coverage validation compares actual measurements against predicted service and required thresholds.

Network Improvements

Measurement data feeds the platform, areas of concern are identified and actioned, worksheets are completed and KQIs monitor improvement trends.

Availability Management

Uptime, forecasts and impacts combine OSS KPIs, planned works, unplanned outages and GIS coverage modelling for SLA oversight.

Customer Support

SmartTools translates signal, KPI, best server and coverage information into support-ready status views and workflows.

Mission critical communications requirements and independent consulting.

Efficient Group Communications

Group calls help teams maintain situational awareness and collaborate across organisations.

Fast, Reliable, Available Connection

Users need access to resources and applications whenever operations require them.

Proper Prioritisation

Priorities help ensure critical information and emergency calls are served appropriately.

Technology and Supplier Assessment Design and Planning

Independent expertise for planning, procurement, implementation and assurance.

Independent expertise for planning, procurement, implementation and assurance.

Network Testing

Independent expertise for planning, procurement, implementation and assurance.

System Integration Testing

Independent expertise for planning, procurement, implementation and assurance.

Ready to assure your mission critical broadband network?



Use the full interactive web presentation to guide executive discussions, demonstrate Metricell capability and move stakeholders from static collateral to a premium digital proposition experience.

[Book a Meeting](#)

[Request a Demo](#)

[Contact Sales](#)

[Download Summary](#)

Metricell Ltd
www.metricell.com