

amdocs smart mobility

The communication experience for consumers in transit presents an emerging challenge for service providers – driven by consumer uptake of new services created by network infrastructure investment on roads and railways, as well as connected car technology. But as further technological advances occur, the ability to maintain customer satisfaction and comply with business KPIs will be strained by greater increases in demands for data (and voice) services on the road. To ensure they can optimize the experiences of subscribers while in a state of mobility, service providers must start laying the foundations now.

Amdocs Smart Mobility gives service providers a leading edge in the mobility market. Powered by Continual Mobile Experience Analytics, the solution integrates journey analytics within the ActixOne engineering platform.



24x7 visibility across all journeys and all devices

- Measure service demand, network connectivity
- Improve in-journey connectivity and throughput
- Reduce roaming revenue leakage
- Minimize third-party drive/data collection



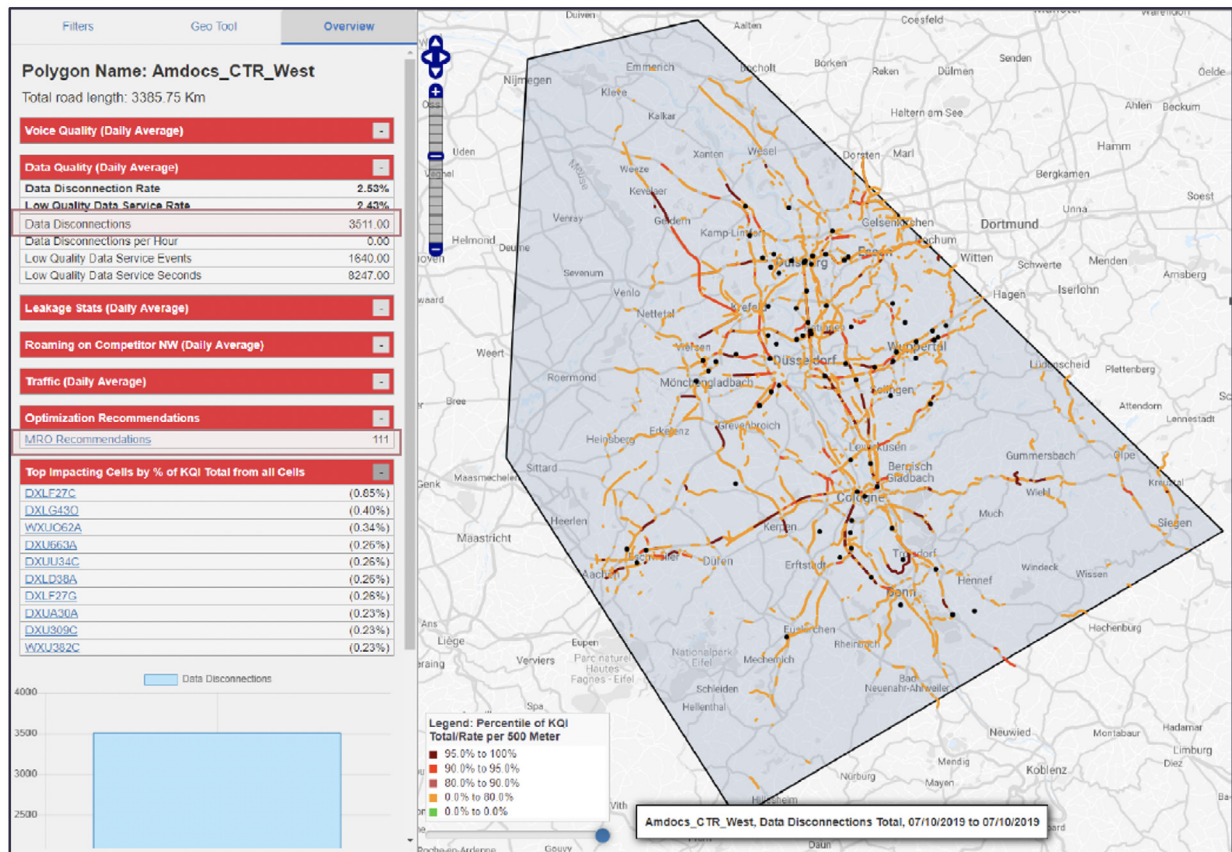
Unique approach

- Uses existing CSP data lakes and billing CDRs
- Proven AI/ML journey construction for road, rail and route KPIs
- Triggers automated network actions to improve mobility



Multiple entry points

1. Solution for network digitization initiatives on CSP data lakes
2. ActixOne module for Smart Mobility
3. SaaS for rail/road KPI improvement projects



Mobility analysis with suggested network actions

Smart mobility matters to CSPs

- **New incremental revenue stream for CSPs with 18% CAGR**

Automotive OEMs, fleet tracking and rail

80% of IoT connections are automotive/mobile IoT

- **Connected cars are a key 5G vertical and are relevant now**

2G, 3G and LTE networks provide connectivity for telematics and infotainment, while 5G URLLC is critical to autonomous driving

- **Creates new network obligations**

New classes of customer automotive: OEMs, fleet, transit

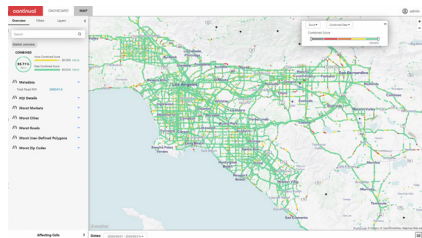
Benchmarks (P3, RootMetrics, etc.) ranking CSPs for on-road connectivity

On-road connectivity is becoming regulated (Germany)

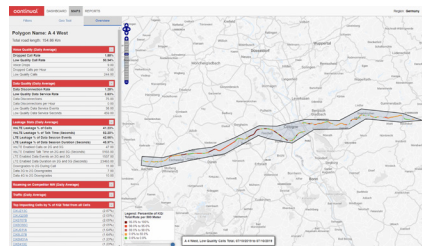
Functionality highlights

Mobility experience analytics

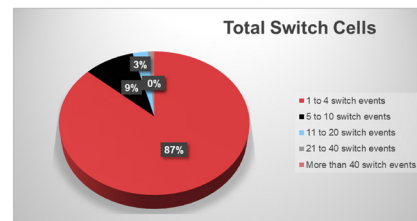
✓ National journey quality maps for road system



✓ Device journeys – end-to-end quality analysis

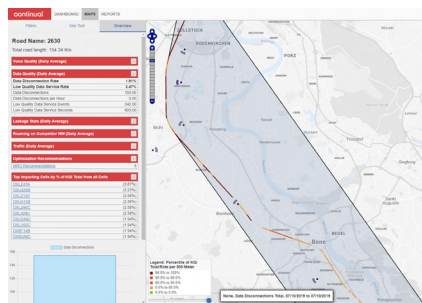


✓ IoT connectivity and revenue loss analysis

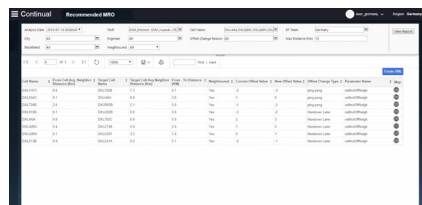


Mobility experience optimization

✓ Root cause analysis



✓ Mobility optimization recommendations

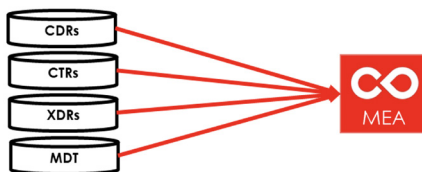


✓ Closed/open loop deployment

Architecture compliance

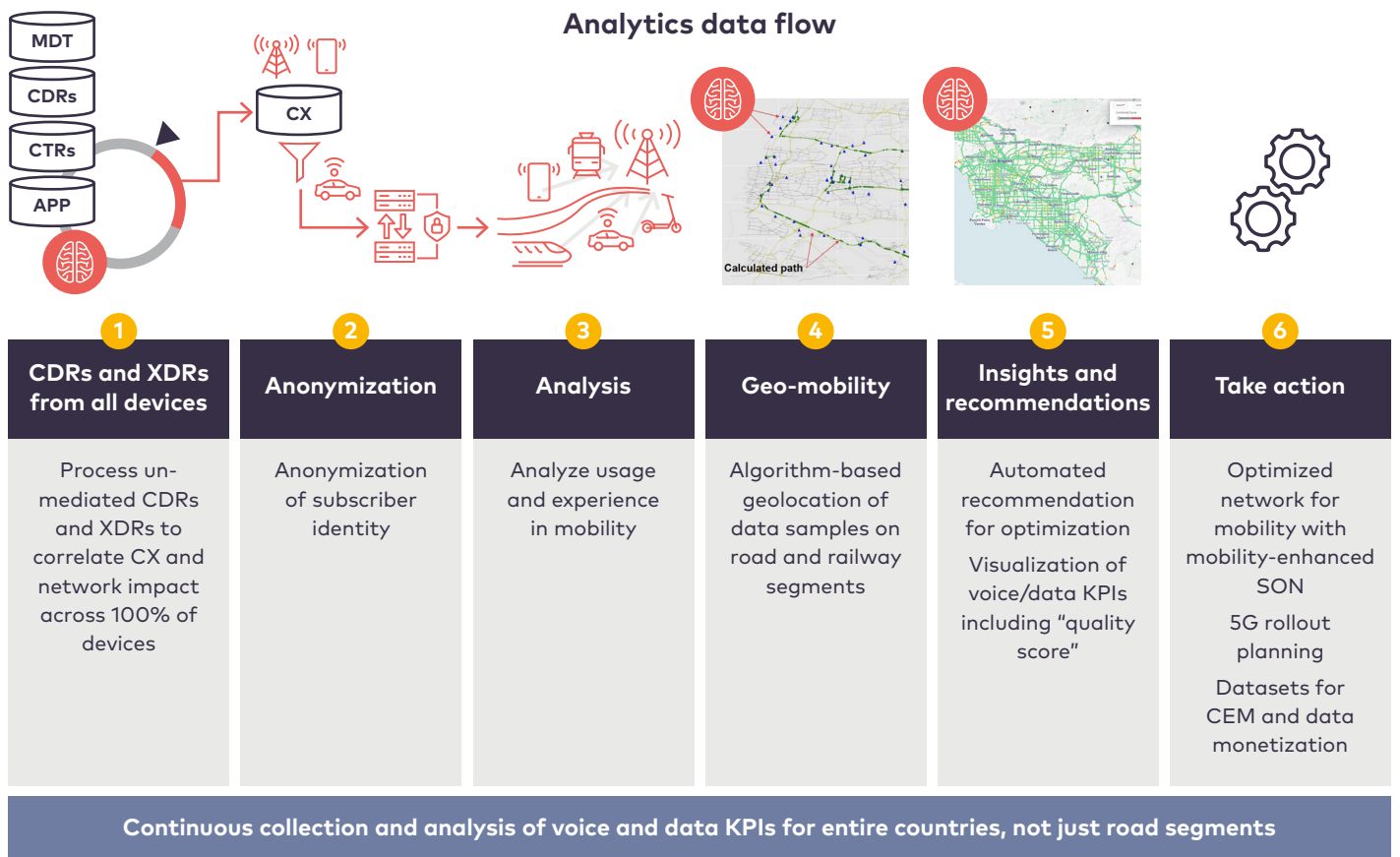
✓ Integrated into ActixOne platform for correlation with call trace, drive test and performance data

✓ Integration of multiple data sets, including ActixOne call trace



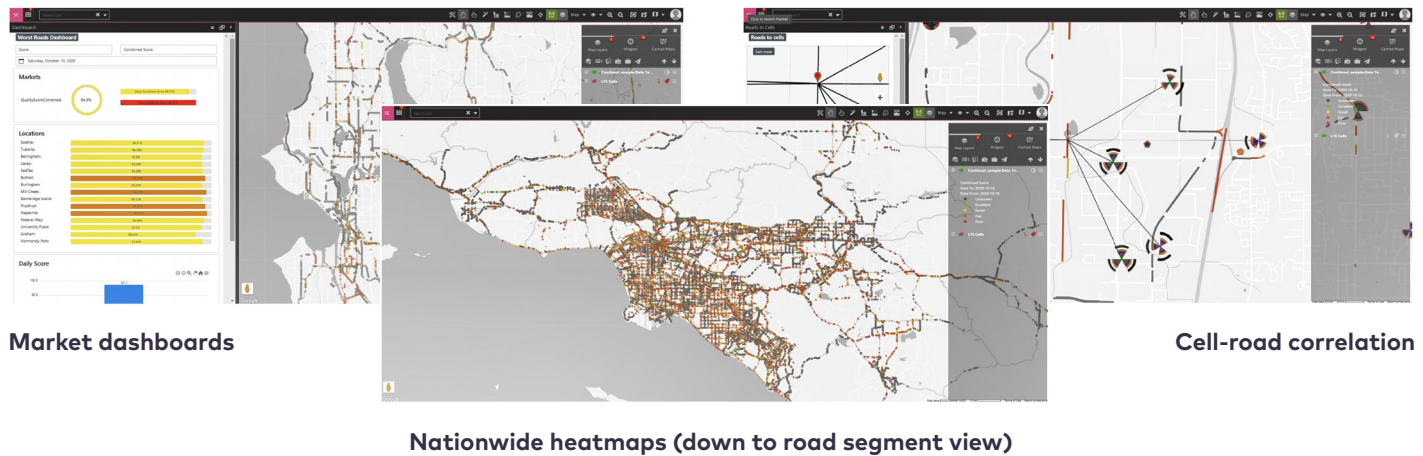
✓ Cloud architecture alignment





Journey analytics

Experience and quality dashboards – nationwide road system



Why Amdocs

Amdocs' track record supporting 5G projects for all phases of network rollout and densification is proven throughout the industry. This includes, but is not limited to RAN, transport and core design, provisioning and troubleshooting services, pre-/post launch optimization, as well as provisioning and triage for multi-vendor, multi-technology heterogeneous networks.

Mobility Experience Analytics, combined with ActixOne call trace and drive test analytics enables rapid resolution of mobility issues, while Amdocs Engineering Services deliver national or project-based optimization to improve on-road/rail/commute customer experiences.

As the preferred partner for Tier-1 and Tier-2 service providers across the globe, we leverage our vast complex configuration integration experience as part of a holistic approach towards network management. In us, you gain an innovative partner in the development and delivery of industry-transforming technologies and services.

For more information, visit:

[Amdocs 5G Fast](#)