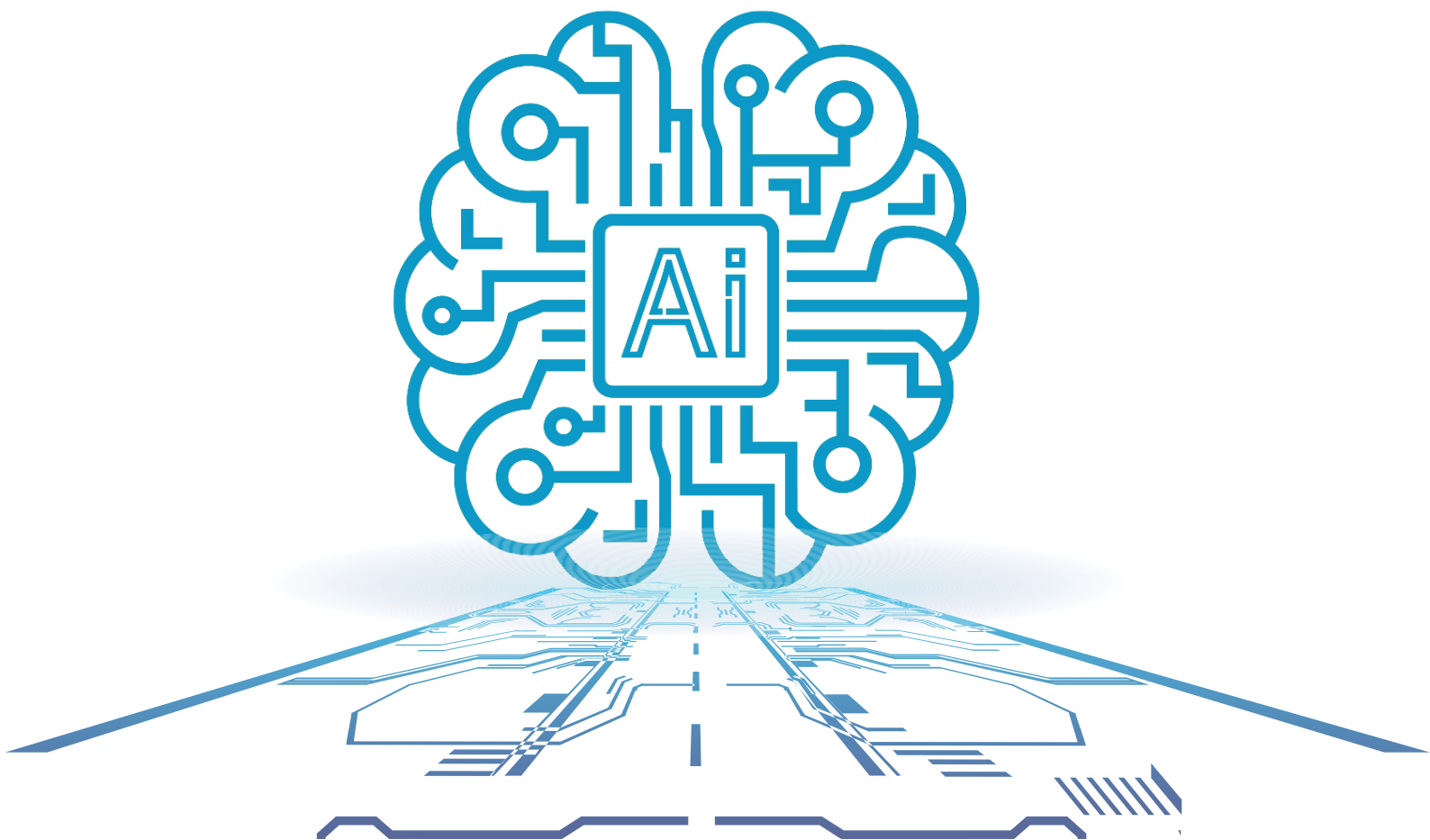


Virtual Drive Testing



The RADCOM Value

Digital transformation initiatives encourage mobile operators to look for network analytics and optimization solutions that align with their digital data strategy. With the bulk of their datasets already in the cloud or being migrated there, a real opportunity exists to leverage the digital data to benefit experience analytics on roads, thereby virtualizing the physical drive tests.

RADCOM's Virtual Drive Testing solution (VDT) is part of the Mobility Experience Analytics Suite, which delivers mobility experience insights and optimization to network quality teams.

When combined with physical drives, VDT delivers a significant cost benefit to in-house test car fleets and reduces outsourced efforts by removing the susceptibility of operational costs to surging fuel prices. It offers clear technological advantages like real customer experience insights, high accuracy of location in mobility, and alignment with digital transformation strategies. It achieves all that using thousands of drives (impressions) in a single pass and performance measurements across multiple days.

Furthermore, it allows mobile operators to demonstrate environmental responsibility by reducing carbon emissions and going green by reducing the mileage of physical drive tests to a bare minimum.

Validate new 5G sites

With VDT, network teams conduct virtual tests before, during, and after deploying a new 5G site. They run more daily testing for more data points – peak and off-peak hours. Detailed analysis and optimization of experience in mobility, including transitions from adjacent and remote cells, make the solution unique for post-deployment customer impact analysis.

Grid experience analytics

Network teams are often required to support marketing and regulatory requirements with customer experience analytics based on geographical grids. VDT analyzes experience per day of week/time of day across multiple KQIs and KPIs and correlates subscriber experience (mobility and stationary) with affecting cells. VDT campaigns will perform quality impact scoring based on mobility and static metrics to support and comply with such requirements.

Benefits for mobile operators



Cost saving – reduction of physical drive tests for both in-house and outsourced operating models



Greater visibility for mobile network performance and customer experience



Increased effectiveness of drive tests through elimination of repeated drive tests (when mandated by a regulator like the FCC in the U.S)



Environmental responsibility, by reducing CO2 emissions and going green



Optimization recommendations and data insights offered as integration-ready, open datasets

Investigate on-route complaint

VDT uses experience analytics based on thousands of impressions from subscribers traveling on identical routes. It validates a complaint against thousands of actual drives commuting along the same route simultaneously and identifies the most impacting cells.

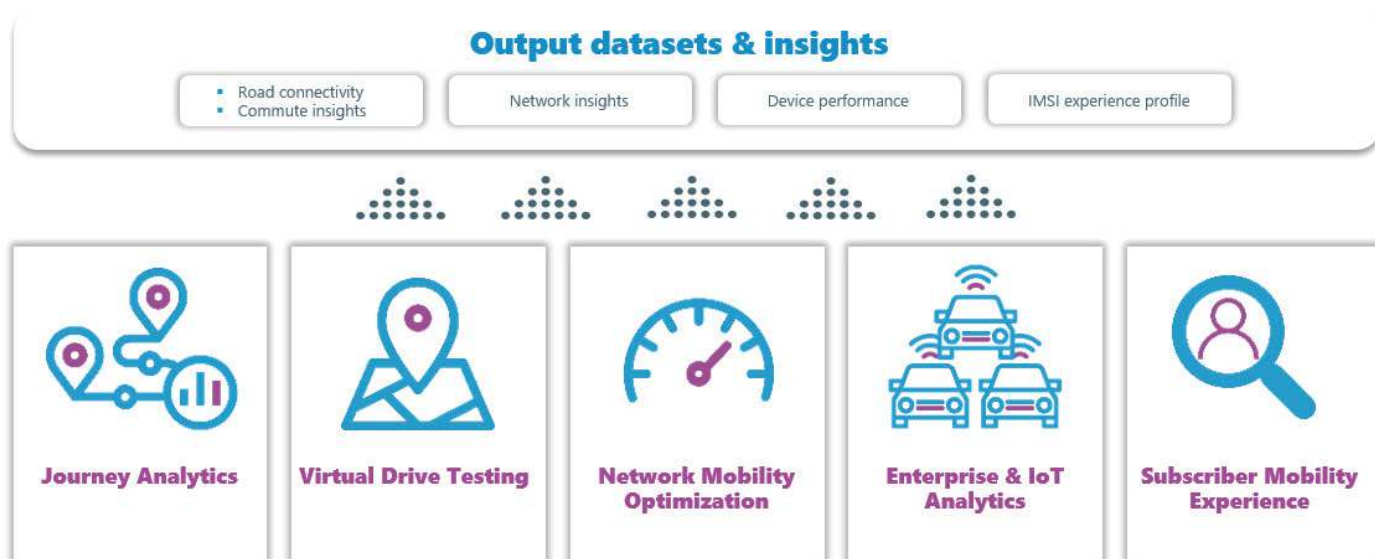
With VDT, engineers also see their KPIs by multiple device types. This is crucial in providing root cause analysis and recommending optimizing the network to avoid repeat complaints. A post-



Figure 1 - VDT results for a complaint investigation on route

Mobility Experience Analytics

Virtual Drive Testing is one of the solutions offered within the RADCOM Mobility Experience Analytics Suite



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RADCOM (Nasdaq: RDCM) delivers real-time network analysis, troubleshooting, and AI-driven insights to ensure a superior customer experience. Utilizing cutting-edge technologies for over 30 years, we are the operators' eyes into their network, supporting them as they transition to new network technologies such as the cloud and 5G. Delivering dynamic service assurance for an accelerated digital transformation.

We offer the most advanced 5G portfolio for large-scale networks, providing operators with an innovative, efficient, and on-demand approach to network monitoring that meets the challenges of assuring the customer experience in the 5G era. Our leading solution, RADCOM ACE, is explicitly designed for telecom operators, delivering Automated, Containerized, and End-to-end network visibility. We enable operators to seamlessly manage and optimize their network operations using our innovative technology.