


# Rantcell Cloud Solution for Mobile Network User Eccentric Network Monitoring, Testing & QoE Benchmarking



[www.rantcell.com](http://www.rantcell.com)

  
Purchase Dedicated Solution or Rent

Drive Testing 

Geo Location Intelligence 

  
User Experience Monitoring and Optimization

  
Test Automation and Remote Cell Site Monitoring

4G/3G/2G, CDMA & (5G Ready)

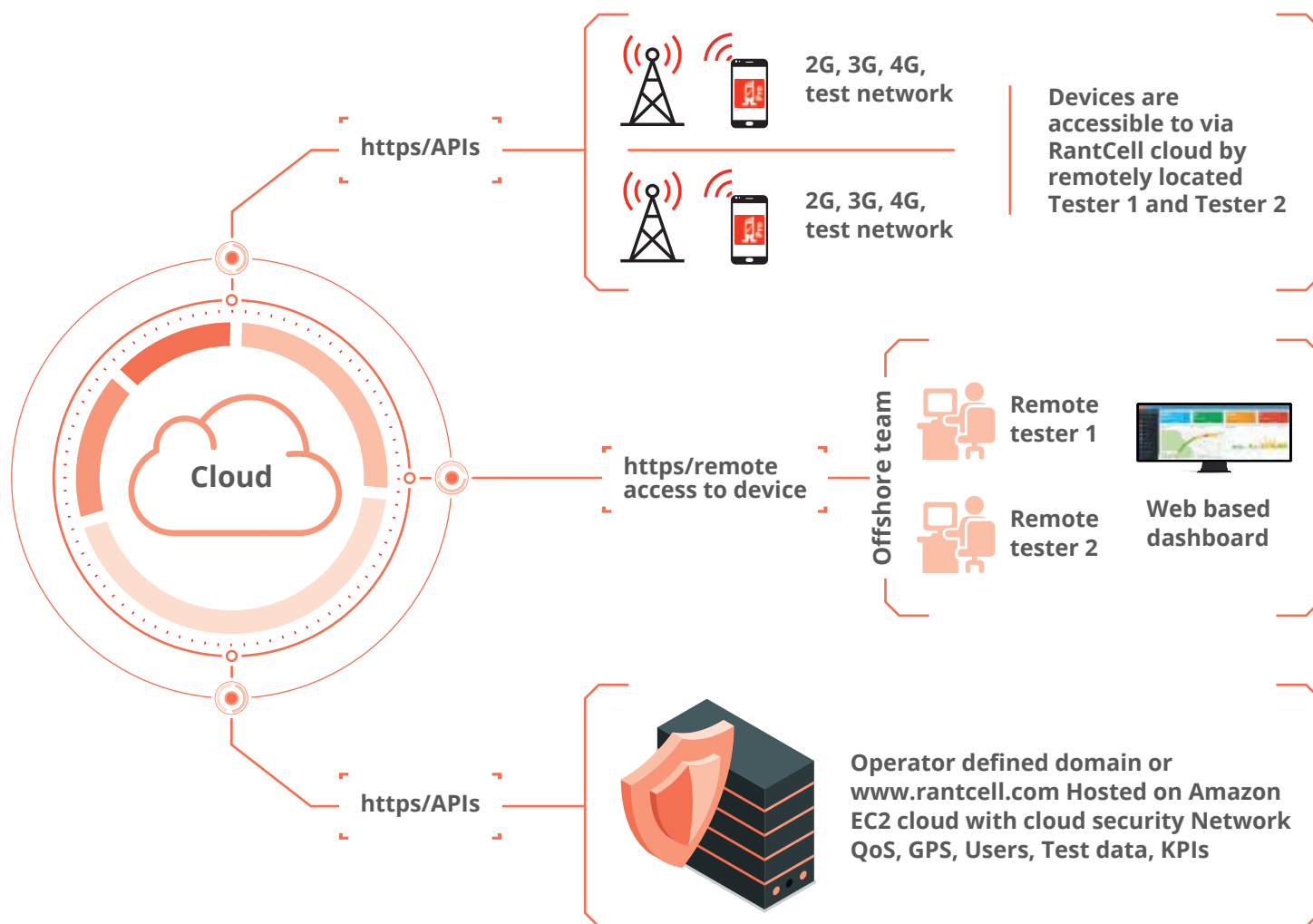
Mass Deployable



# 60%

cost reduction in RAN field testing with RantCell platform

RantCell cloud is a test and measurement platform for end-user QoE which is supported on 4G,3G,2G and CDMA networks. Solution is composition of RantCell pro app software which is compatible on any generic Android devices and cloud server software with an interactive web-based dashboard interface for post analysis of measured test data. RantCell supports benchmarking via drive test, field measurement, site monitoring, test automation, load generation, remote control and above all mass deployable on many devices. Solution can be purchased online as rental tariffs with immediate access to this solution or dedicated enterprise solution for long term goals.



WiFi

2G

3G

4G

CDMA

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# RantCell platform features

Use Android devices to benchmark QoE for Data and Voice services on 2G,3G and 4G networks

Quick deployments on cloud, Big data architecture and supports 10k+ plus measurement (For Enterprise solutions) terminal devices (Android)

Location intelligence and focus on poor service areas such as coverage, low data rates etc

Significant cost reduction on field testing such as on 2G, 3G and 4G networks

Supports drive testing and site integration validation

Load generation on base station using real devices supports more than 100 devices performing data and voice traffic

Rich graphical and maps UI interfaces supported on web browsers

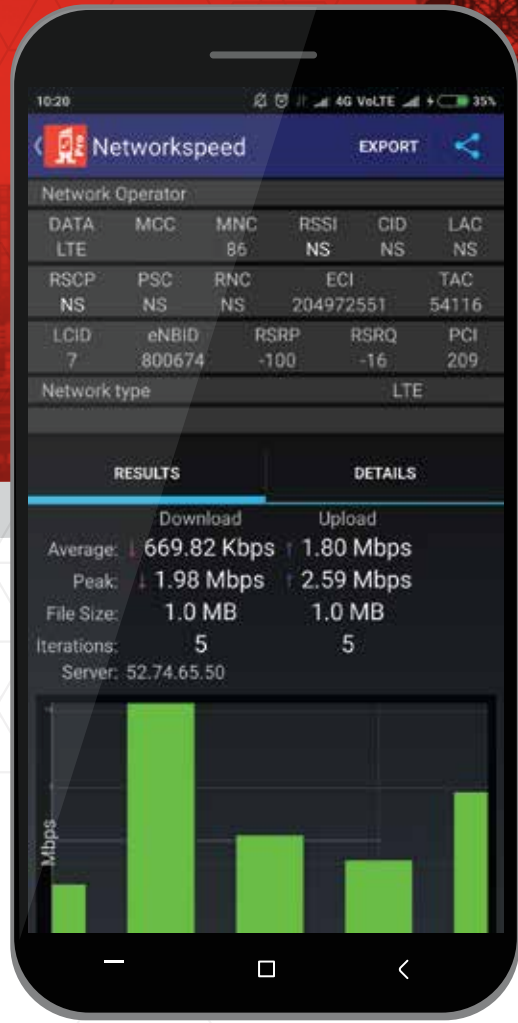
KPIs for data and Voice calls

Remote control group of up to 500 devices, configure on demand test scripts remotely

Supports test automation

Mass deployable in excess of 10k+ devices with RantCell enterprise versions, build network geo location intelligence data with support for geo location-based query

Support for network related customer complaints and remote collection network logs avoid site visit



A true benchmark test tool for cellular network testing

Identify zones with no coverage, dropped calls, low speeds, latency and other primary KPIs

Rich graphical user interface for analysis and reporting on test data

Remotely manage test devices and perform online tracking

View and analyse test data from multiple devices

Supports 2G, 3G, HSPA+, 4G, WiFi and CDMA, CDMA EVDO networks

# RantCell Cloud

## 01

Reduce costs on test tools and field testing. RantCell Pro app is supported on any Android devices with online installation from play store and no dedicated hardware required to be purchased. Person to place deployments risks can significantly reduced by remote testing capabilities and RTP setup.

## 02

Deployable to customers devices to collect network log data to resolve network complaints remotely. Reducing field visit to complaint zones. Provide quick resolution to customers.

## 03

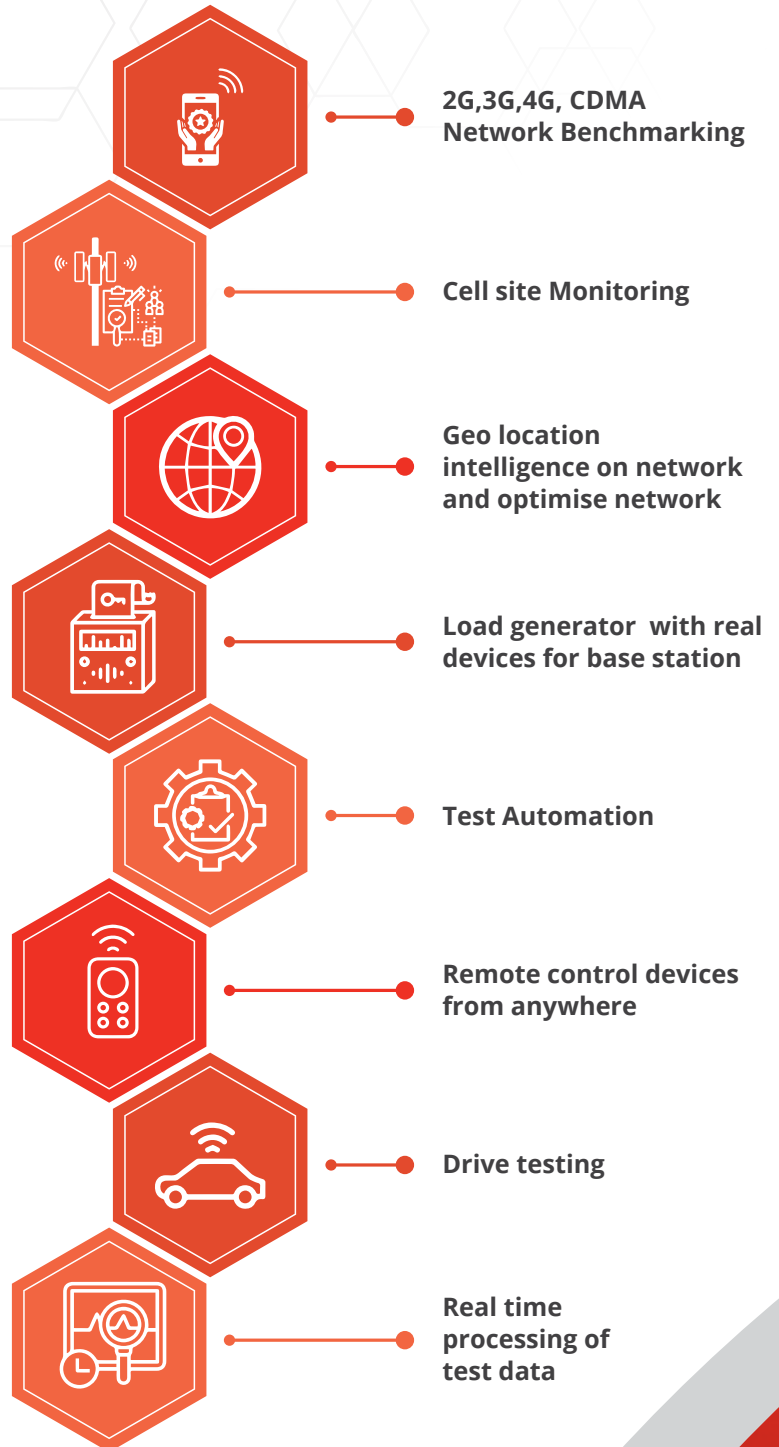
Identify areas with low quality of user experience and optimise network to improve network services.

## 04

Benchmark quality of experience with competitors.

## 05

Control costs by renting RantCell cloud platform for short term goals. (Usage restrictions apply)



# RantCell Cloud

Reduce cost on  
test tools and  
field testing



Network  
Optimisation and  
Benchmarking



Reduce  
subscriber  
churn



Purchase  
online



Mass  
deployable  
with many use  
cases



Deployable to  
customer base  
with own branding



## Example Use Cases

Field testing indoor and outdoor  
for 2G, 3G and 4G networks

Cell site service  
validation on  
2G, 3G and 4G  
base stations

Verify cell site  
signal quality,  
speed test, latency  
and call setup times

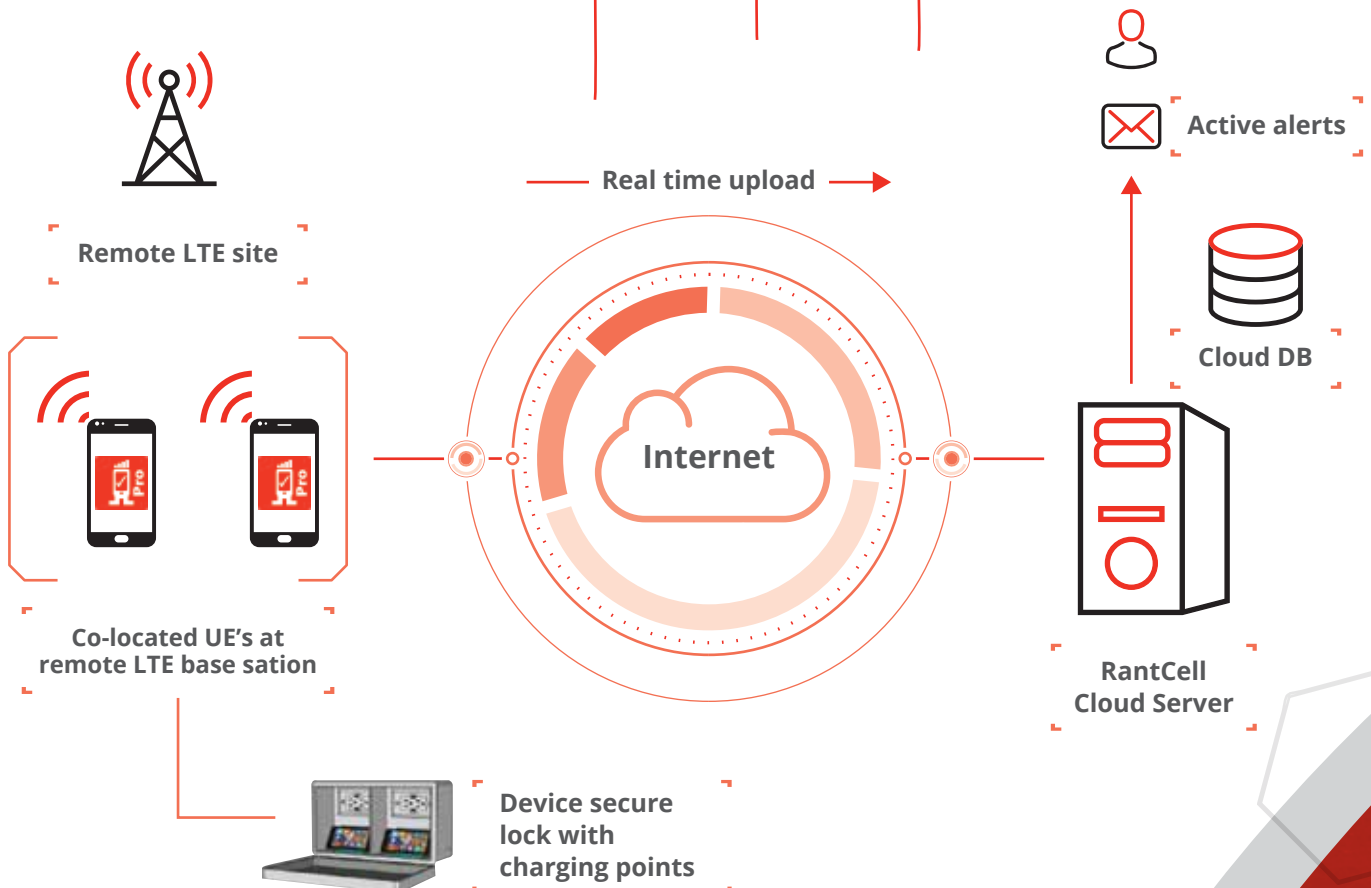
Indoor testing  
such as shopping  
malls, commercial  
locations

Send reports out to  
Network operations in real  
time to resolve the issues

Field test for  
customer  
complaints

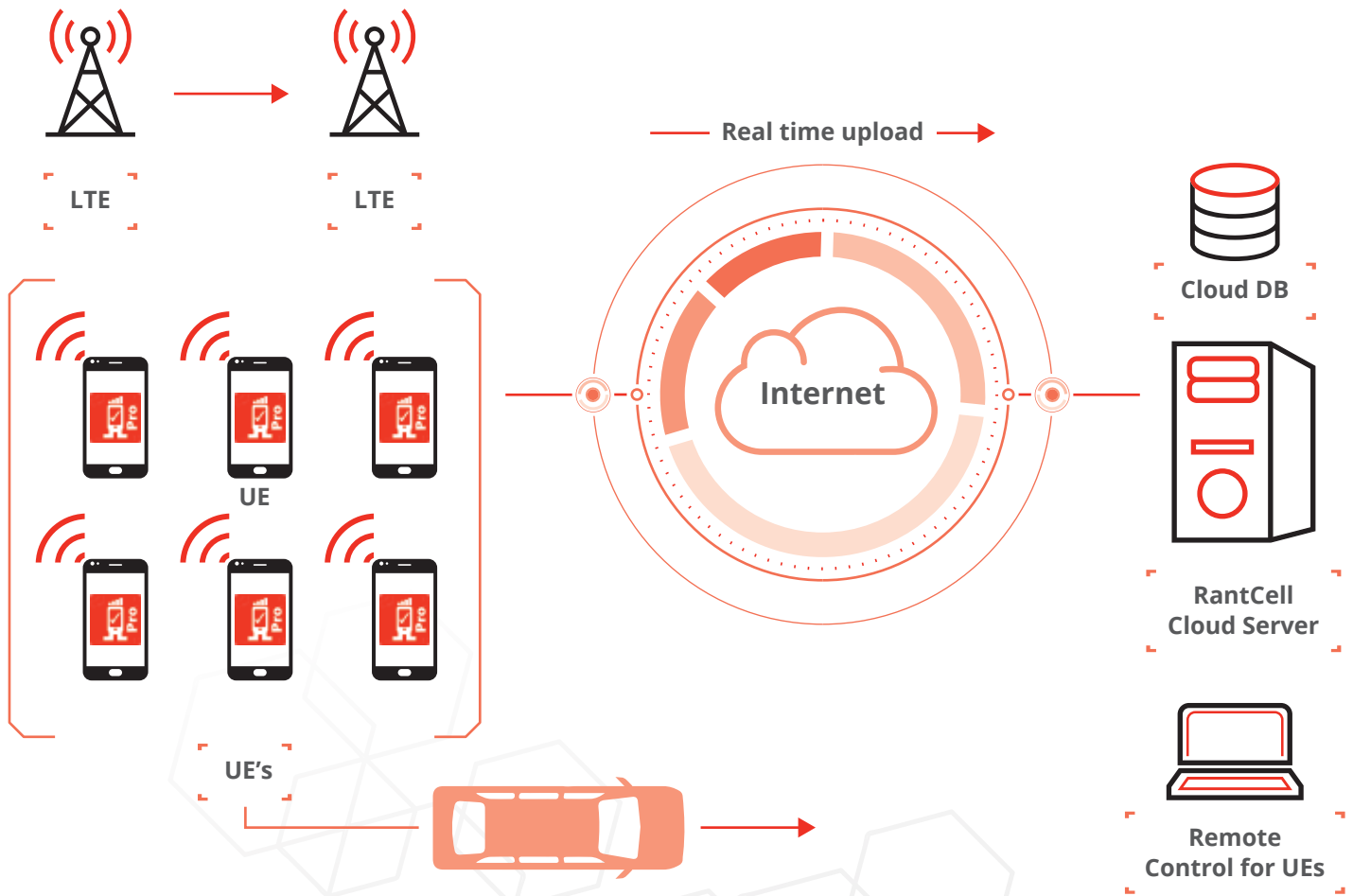


# Remote cell site permanent monitoring and active alerts when services are degraded



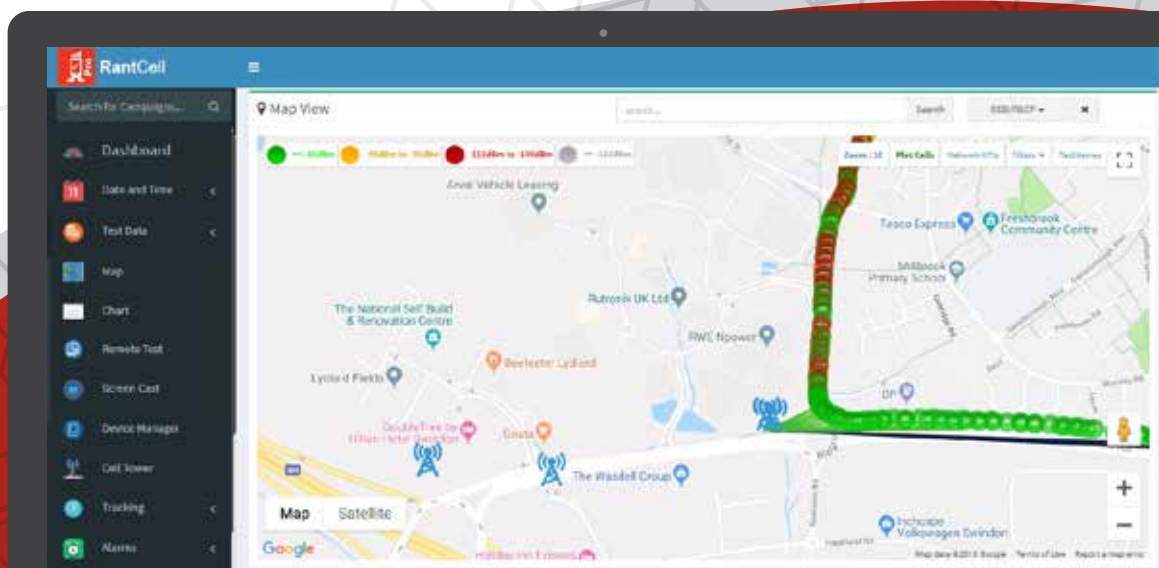
## RantCell as Load generator and drive testing

More than 100 real devices can be provisioned to perform concurrent voice and data tests controlled by web based dashboard from RantCell cloud. Suitable for both drive testing and static testing under a base station.



## Online inventory and cell tower coverage radius measurement

Configure 2G,3G and 4G base station locations and measure real cell coverage distances from user perspective.





For more information contact

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