Operator in Middle East



Project Goals

To challenge the mobile network expansion plan regarding impact and cost efficiency



NETWORKS Approach

- Gather information on Radio Access Network (RAN)
- Collect NMS historical performance data of RAN network
- Study and analyze targeted user experience parameters
- Apply an automated processing and deep dive functionality
- GIS based tool with comprehensive reporting functions



Client Benefits

- Sustain user experience-act before user QoE is affected
- Comprehensive overview of network capacity status.
- Plan a cost-efficient future network extensions
- Potential for benchmarking



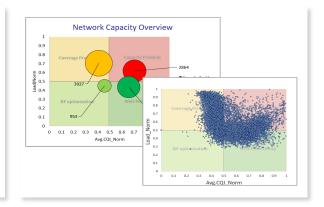
Mobile Access Capacity Analysis

evaluating load and forecasting future traffic

Automated analysis of RAN network Load

- The RAN network performance counters, defined thresholds, and cell configuration are all collected.
- Automated examination of the entire RAN network, looking at each cell's load status.
- Comprehensive and multi-levels report including all cells with detailed information regarding the load status.
- Examined cells are ranked in detail based on their load status

Date; Cell; DL average throughput Mbps; DL user perceived rate Mbps; Downlink FRB 17.01.2017 00:00:00; L 18 20 1;4.43;75.26;0.05;1.95;3.34;1.0.03;0.22;3.34;0.0 17.01.2017 01:00:00; L 18 20 1;0.83;29.3;0.05;1.66;0.44;1;0.03;0.08;0.44;0.05 17.01.2017 02:00:00; L 18 20 1;5.53;100.31;0.05;1.04;4.95;1;0.03;0.35;4.95;0. 17.01.2017 03:00:00; L 18 20 1;15.9;24.43;0.05;1.57;0.67;1;0.03;0.33;0.67;0.0 17.01.2017 04:00:00; L 18 20 1;15.9;24.43;0.05;1.57;0.67;10.03;0.33;0.67;0.0 17.01.2017 05:00:00; L 18 20 1;20.77;24.73;0.05;2.02;0.62;1;0.03;0.35;0.61;0.17.01.2017 06:00:00; L 18 20 1;2.45;25.37;0.05;1.58;0.61;10.03;0.35;0.61;0.17.01.2017 06:00:00; L 18 20 1;2.12;18.55;0.05;0.87;0.44;1;0.03;0.09;0.44;0.0 17.01.2017 06:00:00; L 18 20 1;2.12;18.55;0.05;0.87;0.44;1;0.03;0.09;0.44;0.0



Cell's performance counters

Network capacity overview

