

## CASE STUDY - TIER-1 OPERATOR / NORTH AMERICA

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#### PROJECT PROFILE

- Duration: 3 Months
- Cells: 800
- Technology: Ericsson, HSPA+
- Number of Carriers: 3
- Resources: P.I.Works Tools (P.I.ANO & P.I.WEB)

#### CHALLENGE

- High signaling load per traffic due to excessive usage of smart phones
- PS traffic effecting the CS quality due to high signaling load
- Chronic offender sites negatively impacting overall performance measures
- Worst performing cell analysis

- Load balancing between sector carriers
- IRAT mobility strategy review
- Over-shooters and coverage limited cells analysis

#### ACTIONS

- Capacity and bottleneck analysis
- Cross feeder & HW checks
- Configuration parameters revision
- Scrambling Code plan revision
- Fixed Missing neighbor definitions

#### RESULTS

- 8.8% total improvement in CQI
- Data Traffic increased 25%