

CASE STUDY - JAPAN, TIER-1 OPERATOR, TD-LTE SMALL CELLS

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PROJECT PROFILE

- Duration: from December 2014
- Technology: Huawei TD-LTE Cells
- Resources: P.I. Works unified uSON product and uSON Inspection

CHALLENGE

- Improve mobility and Retainability in a network with high interference due to excessive coverage overlap, high user mobility, small-cell environment (17.5 cells/km2)

ACTIONS

- uSON product modules cANR, PCIOpt, RSIOpt and MRO in closed-loop mode for TD-LTE small-cell Network

RESULTS

- Improved Retainability, mobility, throughput
- Sustained high level accessibility

Customer Testimonial

"Softbank WCP is engaged with P.I.Works in an LTE optimization project, including centralized SON, in Tokyo City center. The project was successfully deployed with positive results. I endorse P.I.Works ..."

Softbank Technology Group Executive

KPI	Improvement
DL Data Volume	2.85%
RRC Con. User (AVG)	0.12%
SSFR	3.99%
Call Drop Rate	9.67%
Handover Out Fail Rate	8.09%
Handover In Fail Rate	19.15%
Sch. Throughput DL	1.97%
Cell Throughput DL	1.34%

