

Multinational Oil & Gas Company Boosts Performance by 20% Using 7SIGNAL

The Results

- 20% increase in Throughput
- 10% improvement in Radio Attach Success Rate
- 8% drop in Retransmission Rate
- 4% increase in Beacon Availability
- Greater performance yielding less complaints and increased productivity for 8,500 employees across 100+ countries.



Environment Overview

- Headquartered in The Hague, Netherlands.
- 3 corporate SSIDs, thousands of Cisco access points.
- Complaints of poor performance on both 5GHz and 2.4 GHz networks, effecting overall office productivity for hundreds of locations worldwide.

What 7SIGNAL Discovered

- Legacy 802.11b data rates in use (11Mbps), causing congestion for other clients.
- 802.11n data rates not enabled, limiting clients' ability to connect at an appropriate rate.
- High airtime utilization on 2.4GHz band, causing congestion and low Beacon Availability.
- Aggressive access point channel changes on 5GHz, causing a high rate of client retries and disconnects.

Once the 7SIGNAL system identified these issues, the team went to work to correct them.