

Expanding QoS for Oil and Gas

SITUATION

Increased growth in drilling and new deep well monitoring demanded expanded bandwidth and monitoring for software updates, communications, and operations for a network operating hundreds of rigs.

SOLUTION

We engineered a proprietary solution, increasing individual site throughput speeds from 4Mx2M to 25Mx5M. Multiple multicast threads were added to the network, allowing concurrent software updates, training materials downloads, and live video. Finally, Datadragon® was deployed to allow full visibility of network parameters, including bi-directional signal strength, modem health, and uptime.

OUTCOME

Nearly 300 sites were integrated in under 30 days. Daily reports are now automatically generated, allowing for proactive system maintenance. Updates now require hours rather than days/weeks, and the ability to manage the network in real-time has greatly increased the throughput efficiency of critical data assuring mission success.

