

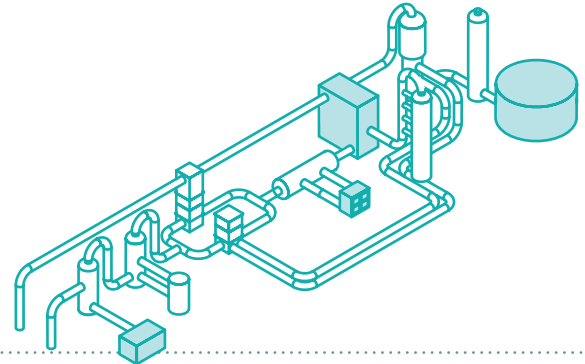


Ready-to-Connect AirLink® RV55 router: Oil & Gas Surveillance

Meet Jack



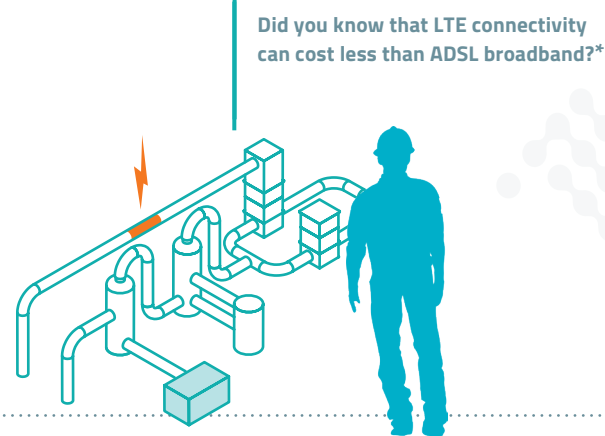
Jack is a Field Service Manager responsible for monitoring and management of pumping stations and pipelines for a major oil and gas company. Jack needs to have near real-time access to pumping station and pipeline data to ensure system uptime and adhere to regulatory requirements. These remotely located assets run continuously, 24 hours a day, 7 days a week.



THE CHALLENGE

ADHERE TO NEW REGULATIONS AND REDUCE COSTS

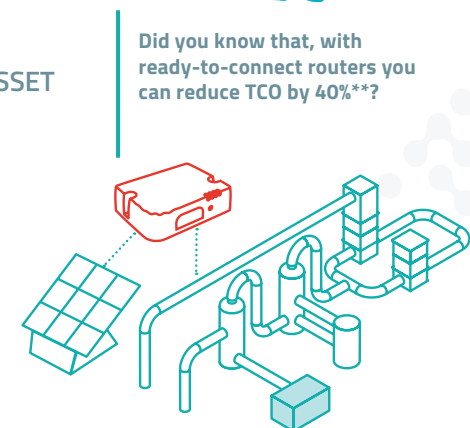
With little connectivity, monitoring and inspecting remote oil and gas assets often requires technicians to travel to sites to check the systems health. This is expensive due to technician hourly rates plus travel time. Sending a fully equipped repair team to a field site can take days, in which time oil and gas is not being produced lowering revenue and reducing productivity. In addition, expanding regulatory requirements meant Jack had to hire additional teams of technicians.



THE SOLUTION

ADDING READY-TO-CONNECT ROUTERS DELIVERS NEAR REAL-TIME ASSET STATUS INFORMATION AND REDUCES TRAVEL TIME AND EXPENSE

Jack's team worked with their local Sierra Wireless partner to deploy and instantly activate cellular connectivity with the ready-to-connect RV55 rugged routers to each pumping station and at various locations on their pipelines. The rugged devices were able to operate with solar power where required, and enabled information to be sent back to a single command base, eliminating the time and travel required for manual integrity checks. The RV55 router is certified as Class I, Division II, making it intrinsically safe and suitable for use in these hazardous environments.



THE RESULTS

REDUCED COSTS AND REGULATORY ADHERENCE

Adding the RV55 router with Smart Connectivity for AirLink reduced both technician hours and travel related costs as well as expenditures for manual integrity checks. Deploying the routers and activating the connectivity Jack's team instantly started collecting near real-time data satisfying the current regulatory requirements. It also improved maintenance efficiencies as Jack only sent teams out to the sites when needed. This also helped reduce downtime and increased oil and gas production.

*Sources: LTEworld.org, mobile-phones-uk.org.uk, British Telecom, European Commission, EE, Arthur D. Little analysis, PCMag.com, ISPreview, Agilent technologies, 3G Americas/RYSAVY Research, TeliaSonera, Verizon, AT&T, Standish Group
** By reducing management costs, eliminating SIM logistics & truck rolls to resolve connectivity issues. Based on Sierra Wireless' analysis. Customer results may vary.

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