



Remote Monitoring of Lab Processes

Meet Steven



Steven is a manager at an environmental testing laboratory. Companies send in product samples to be tested at temperature and humidity extremes, with tests often running for weeks.

THE CHALLENGE

KEEP TESTS RUNNING WHILE MINIMIZING EMPLOYEE TIME IN THE LAB

With recent work-from-home guidelines, Steven needed to minimize his team's time in the lab, while ensuring the continuity of customer tests. Testing typically requires visual observation of the subject which is performed by looking through the test chamber window.

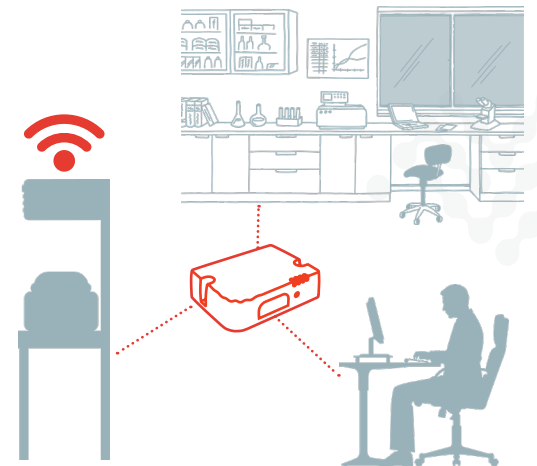


THE SOLUTION

REMOTELY VIEW AND CONTROL INDIVIDUAL TEST CHAMBERS WITH SIERRA WIRELESS RV55 ROUTERS

Steven installed a wireless camera in each of the environmental test chambers and connected these chambers to the cloud using a Sierra Wireless AirLink® RV55 LTE router. The RV55 is able to connect to each chamber via serial port, Ethernet, or Wi-Fi depending on the individual test chamber model. These new cameras were connected to the RV55 via Wi-Fi.

Steven also provided his staff with Sierra Wireless AirLink® LX40 routers so they could reliably and securely connect their laptops to the cloud from home.



THE RESULTS

EFFECTIVE TEST CHAMBER MONITORING AND CONTROL WHILE MINIMIZING LAB VISITS

Once each camera was connected to the cloud, Steven and his team could observe the interior of the test chambers in real time as well as make adjustments to the individual chambers as needed - all from home. This ensured business continuity while also minimizing on-site visits to the lab.

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