

Last-Mile Agility Streamlines Rural Connectivity in Multi-Locale Oil & Gas Project

Agile Networks

Agile Networks is the premier provider of hybrid fiber wireless broadband data networks, provides connectivity to empower individuals and transform organizations. Agile Networks' hybrid network - *The Agile Network* - utilizes vertical infrastructure along with the latest in fiber-optic and wireless technologies to provide world-class data solutions. Engineered to the stringent specifications required to support public safety, *The Agile Network* boasts carrier-grade performance and military-grade security. Agile's Last-Mile Agility makes delivering solutions to rural areas just as feasible as major cities.

Customer Profile

M3 Midstream LLC ("Momentum") is an independent midstream energy company that provides oil and gas producers with flexible, responsive and reliable midstream services linking the wellhead to the market. Their core focus is the development of high quality green field projects that meet the emerging needs of their customers.



Gas Gathering
Cryogenic Processing
Fractionation

NGL Storage
Rail Loading

Situation

Lack of IT infrastructure stymies plant operation

Momentum constructed a multi-billion dollar natural gas refining plant with multiple locations throughout southeastern Ohio; however, the rural landscape did not offer the necessary IT infrastructure to support the plant.

Solution

Agile Networks Last-Mile Agility streamlines rural connectivity

Agile leveraged existing vertical infrastructure and fiber assets, integrating them with wireless microwave technology and proprietary tools to rapidly deploy fiber-grade, last-mile wireless network, supporting the construction of Momentum's refining facilities and corporate offices.

Result

Improved operational efficiency, product delivery and application opportunities

Momentum provides customers with rich gas gathering, cryogenic processing, fractionation, NGL storage, rail loading and multiple gas and NGL redelivery options through the newly constructed Utica East Ohio division of the company, with locations in Scio, Kensington, Leesville, and Salineville, Ohio. Agile's work now allows for seamless communication among these Ohio plants and the home office in Durango, Colorado, and has opened new opportunities for essential applications for Momentum

Situation

- Need for IT infrastructure for newly constructed plants in rural area void of traditional connectivity options

Solution

- Agile leverages a vertical infrastructure and fiber assets
- Agile develops a reliable and efficient security and communication network

Result

- Improved efficiency of day-to-day operations
- Streamlined product delivery
- Delivered connectivity opens opportunities for essential applications for Momentum
- Delivered high-quality communications to rural environment

“ Every time Agile gets a call to action they exceed our expectations and performance requirements. This allows us to focus on our core business of providing flexible, responsive and reliable midstream services linking the wellhead to the market.

- Joe Giles VP Operations M3 Midstream, LLC

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Situation

Lack of IT infrastructure stymies plant operation

In September of 2012, Momentum approached Agile Networks with multiple IT problems. Foremost of these, Momentum needed a high-speed, reliable and efficient infrastructure that would connect cryogenic processing plants, gas refineries and corporate offices.

Agile Networks met with Momentum to assess the issues and begin a plan that would be able to provide Momentum with the speed and reliability required for the plants' proper operation.

Momentum's plant locations of Leesville, Scio, Kensington, and Salineville in Ohio proved too rural to affordably run traditional methods of connectivity (fiber) to those plants under construction.

Total Population

Momentum Plant Locations

Kensington: 1,572 (Unincorporated)

Leesville: 158 people

Salineville: 1,310

Scio: 763 people

Source: 2010 US Census Bureau

A strong IT infrastructure is essential to Momentum's business. The company relies on technology to track pumps, pipelines, storage containers and more. An interruption in this technology could cost Momentum thousands of dollars per minute. Moreover, Momentum needs to communicate among plants and with its home office in Durango, Colorado. The company tasked Agile with creating a solution to support these vital systems.

Solution

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In January 2013, Agile Networks presented a solution to Momentum that mapped how Agile could fulfill their IT void. By the end of February, Agile had two locations in Harrison County on the network and running. As of the end of May 2013, Agile had provided connectivity to all of M3 Momentum's active facilities. Once connectivity was successfully established, IT Director Lance Kirk of M3 partner Securro presented a new set of challenges to Agile.

Momentum's operations required a robust telephony system, and traditional providers were unable to fulfill their needs. In March 2013, Agile presented a plan to Momentum that brought solutions to the issues at hand. As of the end of April, Agile remedied the phone systems with a PRI (Primary Rate Interface) in both Scio and Kensington.

In mid-2013, Momentum tasked Agile with the challenge of providing access controls, security, and surveillance at their facilities. Agile went to work installing a high-grade, high quality access system. To address Momentum's security and surveillance requirements, Agile implemented a state-of-the-art security program.

Agile's solutions for Momentum provide a perfect example of Agile's ability to engineer a project to best fit a company's environment. In Momentum's case, Agile's delivery did not stop with connectivity. Once connected, Momentum saw the opportunities Agile could provide to transform the organization into the one it was meant to be.

Results

Improved operational efficiency, product delivery and application opportunities

Momentum and its partner companies are currently constructing the Utica East Ohio division of the company. The well-constructed IT infrastructure from Agile Networks enables Momentum to smoothly carry out their day-to-day operation. Agile's work streamlined Momentum's cryogenic processing, rich gas gathering, fractionation, NGL storage, rail loading, and multiple gas and NGL delivery processes to the point of maximum efficiency. With the ability to easily relay information about pumps, storage containers, and logistical information, Agile's contribution of efficient connectivity was paramount in making the operation a success. Moreover, Agile's connectivity work for the plants allowed multiple on-site contractors access to the new data infrastructure as well. This increased their productivity and maximized the effectiveness of their time spent on site.

