

KAISHAN USA AND CLS HELP ENERGY COMPANY SLASH BLOWDOWNS, CUT COSTLY DOWNTIME

CLIENT
Tallgrass Energy

LOCATION
Casper, WY



THE SITUATION

Tallgrass Energy is a midstream energy supplier, transporting natural gas over 10,000 miles of pipeline between producers and end users in rural areas of the western U.S. Its Glenrock, WY, compressor station had two 50-HP rotary screw air compressors running 24-7 to supply instrument air and utility air to operate the emergency shutdown system.

THE CHALLENGE

The two 50-HP rotary screw air compressors were experiencing failures that shut down the emergency system and caused a huge loss of natural gas to the atmosphere. Because of the numerous stops and starts, which the existing vendor blamed on the motor starter, dirty power or lightning strikes, the overloads in the compressors' motors tripped.

Because the gas belonged to upstream suppliers, Tallgrass had to pay for the gas losses, with major shutdowns blowing down gas for three or four hours several times a year, according to Tallgrass maintenance mechanic and compressed air subject matter expert, Jim Stoneking.

THE SOLUTION

Jim quickly recognized that the aging compressors were oversized, causing them to rapid cycle. He lobbied his bosses for several months until capital funds became available, then immediately contacted Phoenix Wilson, an account manager at CLS, Inc., an independent distributor of rotary screw equipment, also located in Casper.

Phoenix quickly recommended replacing one of the 50-HP units with a 20-HP Kaishan KRSD direct-drive rotary screw air compressor as the main unit, with the remaining 50-HP unit as a backup (until additional replacement funds are available). Fortunately, CLS had one in stock, and the deal was put together in 24 hours.



The Kaishan KRSD rotary screw air compressor has been a game-changer for Tallgrass Energy, cutting downtime and providing long-term peace of mind.

THE RESULTS

1 DOWNTIME CUT TO ZERO

The new machine has been a game-changer for Tallgrass, Jim said. In the several months that the new compressor has been in place, "I don't believe there's been any downtime," Jim said. The compressor is a well-packaged unit with tubing, end controls and end devices well laid out. "It's on par with or better than everybody else," he added.

2 "REALLY HAPPY WITH THE CONTROLS"

The KRSD's controls are straightforward. "To an end user, the controls are as important as anything, and the controls work very well," Jim said. He can remotely monitor the unit from his office 30 miles away, with the MAM-200 digital control panel, working with Kaishan's AirWatch System, alerting him when the KRSD needs service.

3 "SHOCKED" BY EASY INSTALLATION

CLS had the unit up and running in five hours. "I was shocked by that," Jim said. "I have not seen that in my career. Maintenance is also very straightforward; the layout of the unit allows easy access to all major components. It's also quieter. "It's night and day," he said.

4 A GREAT PARTNERSHIP, "A DAMN GOOD GUY"

Best of all, he gets great service from CLS and looks forward to an ongoing partnership with the independent distributor. "Phoenix is there when I need him, and that's great," Jim said. "We have a lot of companies that we deal with, and they're not there when you need them. So Phoenix is a good guy, a damn good guy." The company will soon replace the second 50-HP unit and plans to order two more compressors for another location.

ENERGY COMPANY FINDS KAISHAN USA AND CLS
"ARE THERE WHEN YOU NEED THEM,"
PREVENTING ENERGY LOSS AND MAKING CONTROL EASIER.