



Case Study: Remote Power ICCP SmartGen

Introduction

A midstream gas transportation company with activity in the Rocky Mountains maintain portions of their pipeline that are in places without access to utility grid power. In order to provide electrical power to their essential corrosion prevention equipment, such as their ICCP (Impressed Current Cathodic Protection) rectifiers, this company needed simple and extremely reliable electric power solutions that could be powered by pipeline gas.



Qnergy Solution

Qnergy's Smartgen power solution is designed specifically to reliably transform pipeline natural-gas into reliable electrical power.

With multiple configurable outputs, the Smartgen was programmed to output electric power at the preferred operating voltage of 240Vac (single-phase) for use with a standard rectifier (50V / 50A).



Results

The Smartgen was installed and commissioned at a remote site in the Uintah basin of eastern Utah. It was placed adjacent to the pipeline and is fueled by pipeline gas. Electrically, it is coupled directly to the ICCP rectifier with a standard 3-conductor cable carrying the 240Vac.

Application	50Vdc-50A ICCP Rectifier for Cathodic Protection
Operating Profile	24/7 Continuous Power
Power Output Configuration	240Vac, single-phase
Power Output Setting	2800 watts
Fuel Source	Pipeline Natural Gas



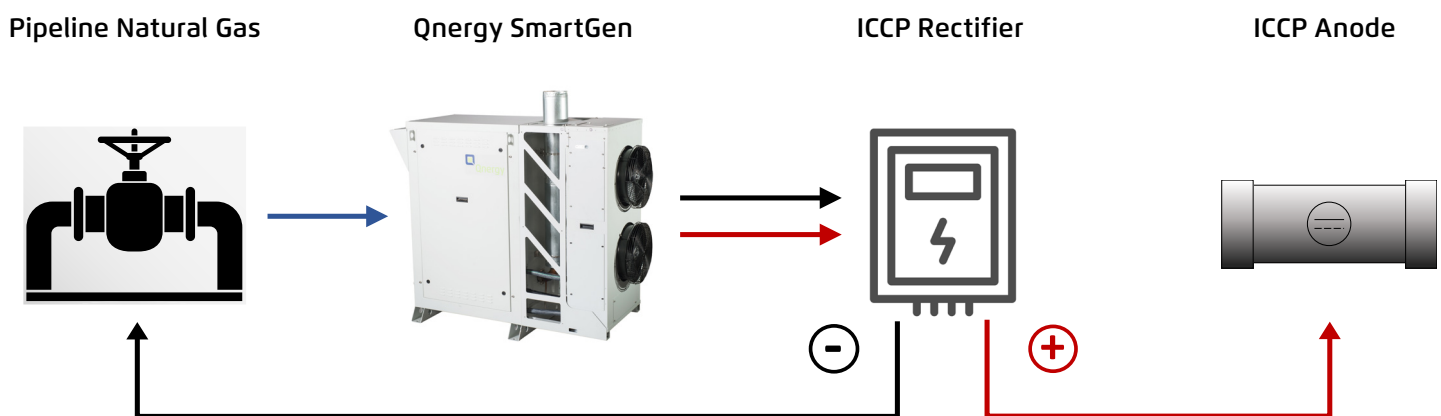
Qnergy at a Glance

Qnergy is a company focused on providing energy to a world market looking for innovative, cost effective and efficient ways to energize the future. With more than 40 years of expertise and proven reliability, Qnergy brings proprietary, high-performance Stirling engine technology to the marketplace for commercial, industrial, and residential applications.

Qnergy products include the advanced free piston designed QB series Stirling engine generator that is incorporated into products for space and water heating as well as remote power for Oil & Gas, Telecom, and other off-grid applications.

Qnergy has the ability to bring talent and technology together with its customers, suppliers, and investors to develop unique energy solutions for the 21st century. The company is headquartered in Ogden, Utah.

SmartGen Configured to ICCP Application:



The Smartgen configured to ICCP Application is one of 5 standard configurations to meet your remote power needs.

Contact Information

300 W 12th Street
Ogden UT 84404 | USA
T. +1 (801) 752 0100 | info@qnergy.com

www.qnergy.com