Operating a remote wellhead requires effective remote management and efficient, reliable, safe, centralized control. Honeywell addresses these requirements with a proven solution for remote wellheads that can be efficiently rolled out across your assets.

**Honeywell, for Innovative, Proven Solutions**

Honeywell specializes in providing total end-to-end solutions for the oil & gas industry. As a trusted name in process control for more than half a century, Honeywell is setting new standards in safety, reliability and efficiency for oil & gas operations with innovative products and trusted solutions from the field to the head office.

**The Honeywell Remote Wellhead Solution**

Operating a remote wellhead demands a total focus on safety, reliability and efficiency while enhancing asset control and responding to changes in reservoir characteristics and offtaker demand. The Honeywell remote wellhead solution addresses these requirements by providing:

- Ease of maintenance
- Reduced travel
- Ease of deployment with expanding fields
- Standardized manufacture tailored to your assets

The Honeywell remote wellhead solution improves asset control and performance and helps to ensure safety, increase production and reduce maintenance.

It is comprised of the following components:

- Honeywell RC500 controller.
- Solar panels, regulator, and batteries (optional).
- Control panel, cabinet, mounts, and antenna.
- Honeywell wireless Ethernet for SCADA uplink.

**Comprehensive Features**

The Honeywell remote wellhead solution is feature-rich and includes:

- Integration with SCADA and ICSS systems.
- HART instrument interface.
- History retention and backfill to SCADA on reconnect.
- Data logging capabilities – Data can be accessed remotely over the network, or locally with a laptop or handheld.
- AGA calculations embedded in RC500 controller.
- Reduced engineering with high-quality manufacturing processes to allow high-volume deployment of units.
- Single source supply and support of full path from server to radios to wellhead panel to instruments.
- IP65 cabinet to provide protection in open weather conditions.
Honeywell radio solutions are available for 800 MHz, 900 MHz, 2.4 GHz, 5.4 GHz, licensed and unlicensed; solutions are available in most countries worldwide.

The wellhead Solution in Detail

Ease of Maintenance
Limiting maintenance activities is important to effectively manage remote wellheads. Honeywell’s remote wellhead skid reduces maintenance in two key ways. First, it makes diagnostic data from the advanced solar charge controller available for remote access, and incorporates the data into condition monitoring and predictive maintenance strategies. Second, it provides connections to allow service technicians to connect to the unit locally via a laptop computer or handheld using a web-based user interface.

Flexible SCADA Functionality
- Open standards interfaces – DNP3 or Modbus communication protocols.
- Wellhead templates for tag and graphic configuration allow new wells to be added with minimal effort with Experion SCADA.
- Polled report-by-exception communications.
- Sequence-of-events reporting.
- RTU time synchronization with SCADA or time source.

Power and communication option
Some remote sites require a local source of power and a method to effectively communicate over long distances. These requirements are often optional but are still incorporated into the design in the following ways:
- A solar panel, solar batteries and an advanced solar charge controller are used to provide power to the unit.
- The battery provides 7 days of continuous power without sunlight.
- Wireless radio communication is provided to effectively communicate over long distances.

Integrated Mounting Solution
The Honeywell remote wellhead solution includes an integrated mounting solution designed to offer benefits during and after installation. The main features of this solution are:
- The full unit can either be assembled prior to delivery to allow for ease of installation, or post delivery for ease of transport.
- The frame is a 2-piece design, which allows for maximum portability.
- The solar panel position protects the rear mounting surface of the panel from direct sunlight during the hottest period of the day.

Cabinet and Solar Mounting
Due to the harsh environments in which many remote wellheads are located, it is important to provide a mounting solution that is resistant to extreme weather conditions, easy to transport and easy to assemble on site. Honeywell’s integrated mounting solution addresses all of these requirements. A simple frame design can be assembled prior to site installation. The frame includes the mountings for the cabinet, solar panel and battery enclosure. Individual components can be easily and quickly removed and replaced with minimum effort. All equipment can be safely transported on a utility vehicle by a single person.
For More Information
Learn more about how Honeywell’s Oil & Gas Solutions can improve producing asset performance, visit our website www.honeywellprocess.com or contact your Honeywell account manager.

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