

# BP Iraq Uses Emerson's Wireless Technology to Reduce Costs and Project Completion Time

## RESULTS

- Reduced trenching and field cabling cost by using wireless instruments instead of wired instruments
- Advanced diagnostics and flexible I/O count in the same RTU by using *WirelessHART*® Technology
- Quick installation and commissioning of project and early production start



## APPLICATION

Onshore Oil & Gas Production in BP Rumaila Iraq

## CUSTOMER

British Petroleum (BP) Rumaila, Iraq

## CHALLENGE

BP wanted to start production as early as possible. The mechanical completion of the wellhead was done; and the customer was waiting for the instrumentation and the RTU installation before they could start the production.

Their initial design included a wired system that involved trenching, cables, and running wires across this site. Installing and commissioning the field instruments, setting the RTU cabinet, finalizing the I/O count, and its marshalling inside the cabinet – were taking an extensive amount of time to complete and delaying the start of their production.

*“We could start production within three months’ time once we decided to go for Emerson’s wireless solution.”*

BP Rumaila



For more information:  
[www.EmersonProcess.com/Remote](http://www.EmersonProcess.com/Remote)



## SOLUTION

The Emerson services/support team took the responsibility of the existing installed base and proposed a smooth and easy upgrade with the ControlWave® PAC RTU. It offers rugged, long-term reliability, wide temperature operation from -40° to +70° C for remote sites, and very low power consumption for solar applications. Additionally, the ControlWave PAC has been designed to meet CE and U.L. Class I, Div. 2 hazardous location requirements.

Emerson kept the cabinet and the field wiring intact while making a new RTU – including I/O racks on pre-wired back plates, which was tested in a staging facility before moving to the actual site. Once completed, Emerson removed the old RTU chassis and installed a new RTU on the spot to make a plug and play process. All the documents and records were updated to reflect the new hardware and software design.



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