



Fardux

# Remote Shut Down Unit

*Flexibility, visibility, control*

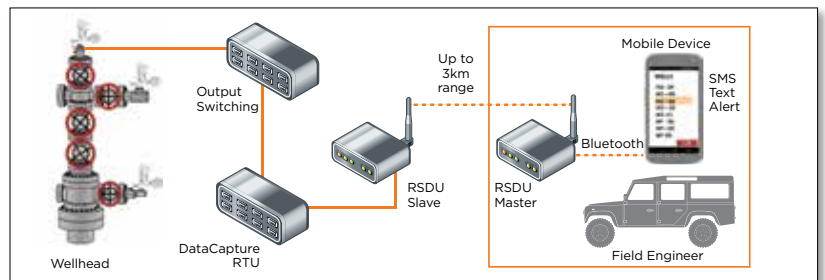
Fardux FieldView is a real-time monitoring and control system providing a comprehensive solution to field data management. Whether it's from a single well, refinery, pipeline or multiple fields, we provide all the data when and where you want it.

## OVERVIEW

With safety paramount to field operations, the Fardux Remote Shutdown Unit (RSDU) has been designed to work in conjunction with FieldView allowing shutdown control to be performed independently of the main network system. Its function is similar to that of a manual ESD system except it can be carried out remotely. The RSDU improves asset control, operational performance and safety.

Robust sensors provide pressure, temperature, flow data and more via our secure AirWave gateway. FieldView's configurable software brings all these elements together, providing operators the tools necessary to make better decisions including alarm handling. As soon as pre-set parameters are exceeded, FieldView operators are alerted who can then instruct the system to automatically transmit a SMS text message to the relevant field engineer notifying them of the alarm notification and its location.

On receiving the text and once within operational range – typically 3km or less from the wellhead, the field engineer is presented with a list of all wells within range and the corresponding valves using a laptop, tablet or smartphone wirelessly connected to a RSDU Master unit using Bluetooth. On selecting the required valve, an encoded 'shut in' command is transmitted to a receiving RSDU Slave at the wellhead which instructs an Output Switching Box to activate the valve to the closed position.



## A NEW WAY OF WORKING

FieldView, in conjunction with the RSDU, opens up a whole new way of working. Our unique software and control solution enables the monitoring, diagnosing and control of assets, even when in the most hazardous environments, in a timely and safe manner.

The RSDU and OSB provide a functional safety system, which delivers reliable control and safety on a common platform. It is a great example of how Fardux works closely with our customers to understand their needs and deliver products and services that enable them to work smarter and more productively. Put simply, Fardux FieldView is a safe, cost effective and proactive approach to data management and control.

# Remote Shut Down Unit

Using the RSDU Master and RSDU Slave, production engineers and other users can remotely and securely control virtually any number of wellheads, from a laptop, tablet or smartphone.

## KEY BENEFITS

- **Faster response.** Dramatically improve speed of response in reacting to wellhead issues.
- **Reduced costs.** Deploy field staff more efficiently and quickly, directly to the fault location.
- **Improved productivity.** Shut off wellheads before fault escalates into a bigger problem.
- **Increased safety.** Reduce unnecessary exposure of staff to hazardous areas through remote wellhead management.

## KEY FEATURES

- **Power Conservation.** Field modules kept in standby mode to optimise remote power consumption.
- **Flexible management.** System administrator can add/remove users, assign wells and fields, manage access levels and log-in details.
- **Intuitive user interface.** Easy to use with minimum training required.
- **End-to-end solution.** From sourcing wellhead data and automatic alerts to field management and wellhead shutdown.

## MAIN FUNCTIONS

- **FieldView alarm view.** Displays active alarms and enables individual alarms to be set up and managed including ability to pre-set a mobile telephone number and text message for each of four variable states (Hi Hi, Hi, Lo, Lo Lo) to automatically alert field staff.
- **FieldView text alerts.** Appropriate field engineer is alerted under supervisory control of FieldView operator, giving wellhead details including exact latitude/longitude position.
- **Field mobile device.** Using laptop, tablet or smartphone, Fardux software automatically presents details of in-range wellheads for field engineer to select correct valve for closure.
- **RSDU Master.** Mobile device connects via Bluetooth wireless link to RSDU Master which communicates with wellhead RSDU Slave unit over a radio link with up to 3km range.
- **RSDU Slave.** RSDU Slave connects via interface to DataCapture RTU which controls the Output Switching Box that sends signals to valve solenoids to close wellhead valve.

## Fardux

### WHY FARDUX?

We have always believed that the supply of our oil and gas data acquisition products and solutions is just the beginning of our relationship with our customers.

We endeavour to provide support from the moment the decision is made to purchase any product, and then throughout the product's lifecycle. We always work hard to ensure our customers are provided with the best solutions, support and advice.

*All the data, when and where you want it*



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