FARDUX
ELECTRONIC DATA ACQUISITION

COMMSCOURIER

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Welcome

Welcome to issue two of the Fardux Comms Courier our quarterly news letter designed to keep our client community up to date with developments , changes and issues concerning Fardux products and services.

Recently many of you have upgraded to version 3.0.2 from our FTP site. If you haven't yet received the upgrade please contact **fardux@wellwisegroup.com** and we will arrange delivery.

This latest software version is both Windows XP and Vista compliant although to run the product under Vista does require a different dongle. Windows XP will be phased out from July 2008 and it will soon there after, be all but impossible to purchase a new computer with anything other than Windows Vista as the operating system. **Continued...**

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Fardux have been Vista ready for several months now, getting to this point was no small task and had meant a considerable amount of changes to the software suite. The product is backwards compatible so the new software will continue to work with XP operating systems.

If you intend to upgrade to Vista or perhaps your computers are due for upgrade sometime this year, you might want to consider upgrading your dongles so that you are Vista ready.

Our website is an important tool for our clients to stay up to date with our latest developments, to enrol for training courses or simply view our Product Brochures. Check out DataCast and Enterprise Software Functionality or the 360 deg Hardware Views at **www.fardux.co.uk**

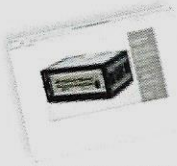


Photo Competition

This quarter we are looking for photographs that show either Data Acquisition people or DAQ equipment employed in the field . If your photograph is selected as the winning entry you will receive the prize of a Apple iPod and your entry will be shown in next quarters (July/Aug 08) Comms Courier.

If appropriate, you can send us a little text to accompany your picture or perhaps nothing more than a caption.

OTC .08 Waves of Change

The 2008 theme, Waves of Change, reflects the industry's transition. Changes in technology highlight the need to not only keep pace but to anticipate future developments. As the rate of change accelerates will our industry ride the Waves of Change?

Fardux will once again be exhibiting at the Offshore Technology Conference Houston in 2008. David Mason and Clive Curtis will be representing Fardux this year.

In keeping with the waves of change theme Fardux will be displaying their new Wallwatch system for potential customers to view first hand. Wallwatch is a real time pipe thickness monitoring system designed along with Sand Snoop to enhance safety whilst flowing back solids during welltest, production and clean up operations.

For further information and a demonstration come and visit us on **Stand 4582** between May 5th and 8th 2008 at the Reliant Centre Houston.

New Non Intrusive Temperature Sensor

These new non intrusive temperature sensors have been on field trials in the Middle East and have proved to be a major success.

The main advantages are safety during sand fracture clean up jobs. There is reduced probability of an uncontrolled release of well effluent caused by erosion to the thermo well.

These transducers are available from Fardux and come in convenient clamp sizes of 4", 5" and 6" for standard flowlines.

For further details and pricing please contact Fardux.

The Fardux Team

From left to right:
Aaron Childerhouse Workshop Technician; Jim Ruff Workshop Manager; Paul Budworth Technical Director; David Mason Managing Director; Brigitte Galenski Administrator; Clive Curtis Data Engineer.

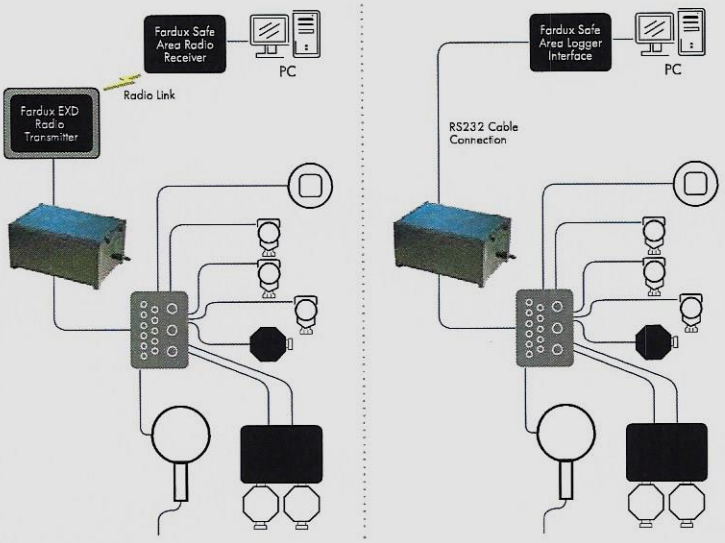
IDEA *Exd* Logger System

The Fardux Exd logger system is an expansion / development of our highly successful and reliable logger packages.

The *Exd* Logger uses the same software as the existing IDEA packages and is available in either *Lite* or *Enterprise* format.

On applications where it's beneficial to permanently locate the data logger in a hazardous area the IDEA Exd Data Logger is the flavour of choice. Fast rig up by either radio transmission or small diameter RS485 cable gives this system some added features that some other loggers in the range can not deliver.

Connectivity
The system can be connected in either radio link or a fixed line, shown.



A full data sheet is available from our website.
Please follow the link
www.fardux.co.uk/datasheets/EXD_Datasheet.pdf

Technical Support, Maintenance and License Agreement

All of our clients subscribe to our TSM and L agreement. Essentially what this document seeks to deliver is as follows

- The guaranteed full support of the Fardux Team to your operational needs. 24/7/364
- Keeping your software product up to date with at least two maintenance releases in the course of a calendar year.

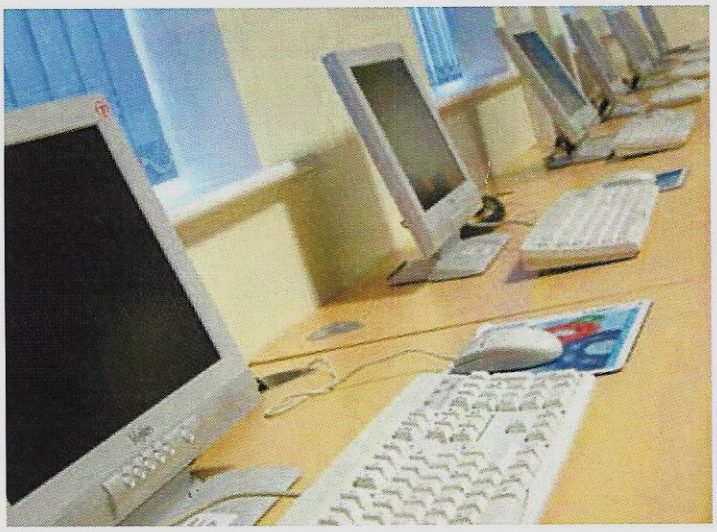
We constantly strive to enhance and upgrade our products to keep them as up to date and market environment focused as possible.

If you have an idea about how you would like to see either our software or hardware enhanced , please let us know. We cant guarantee that we will deliver all that you might request but we will seriously consider all viable propositions incorporating them into our existing architecture.

We try hard to listen to what our client community wants and what their priorities are. Sometimes its less than straight forward to understand what it is that clients require since sources of such information are not always as focused as they might be.

Have your say.....let us know what YOU ! would like to see.

Training Manuals on CD



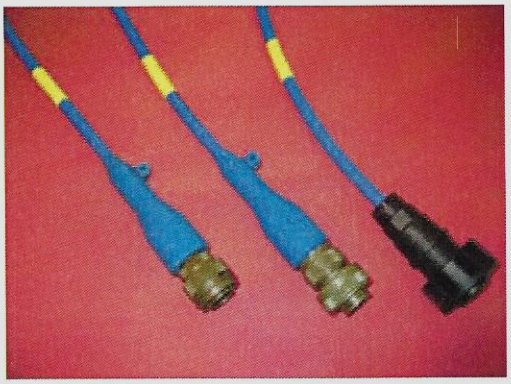
During the many training courses Fardux conduct around the world, there has been one common request; "Please can we have the training manual on CD".

The existing manuals are paper and require many man hours to produce and can weigh up to 5 kilos; this is 50% of the standard baggage weight allowed on many offshore installations.

Fardux have taken notice of these requests and are in the process of evaluating products to enable us to produce CDs. This is not a simple task, the manuals are the intellectual property of Fardux and we need to maintain our philosophy of only offering support to properly trained personal. Having unregistered copies of training manuals allowing people to self train does not work as we have discovered on many occasions.

The new CDs will still be registered to individual students and uniquely numbered to allow students to be registered on the Fardux training database. The CDs will be write protected so no copying or printing will be possible.

Watch this space for further details.



Pictured from left to right. Bayonet, Threaded and Bulgin type connectors.

Cable End Types

Some of you will by now have noticed that all Fardux cables come with injection moulded ends to provide an increased protection against water ingress.

Fardux now provide as standard 3 way bayonet type connectors on all new system orders unless otherwise specified by customer. The bayonet connectors are a simple quarter turn to lock and are much easier and quicker to connect especially in cold weather and desert locations.

As an example many orders we receive just state 1 meter transducer tails and we then have to chase up orders to ensure correct type of connector is dispatched. To help us provide you with the correct connectors please state the end type you require on your purchase order, this is also relevant for cable reels and hazardous area distribution boxes.

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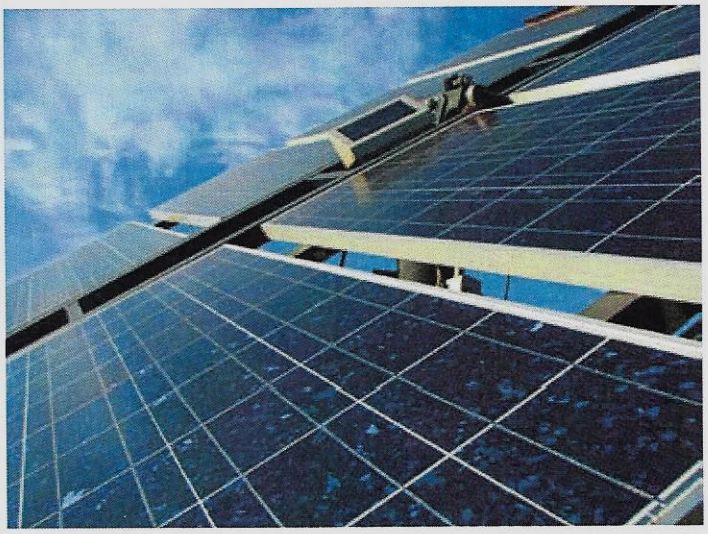
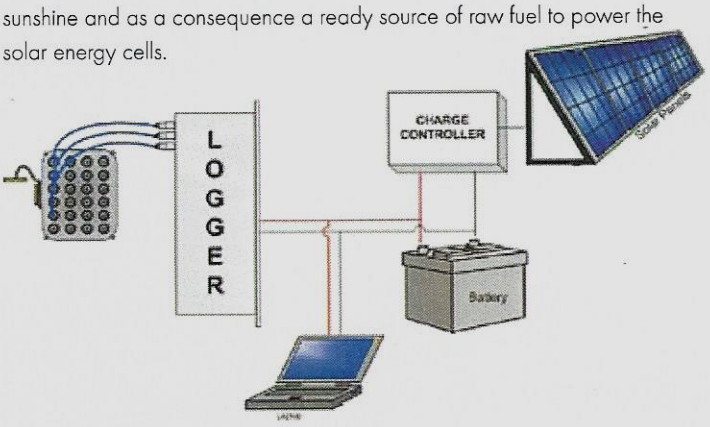
Solar Power



In response to field requests to develop a stand alone solar power package, Fardux have developed a portable and robust system for use in environments where no mains power is available to support the IDEA logger, transducers and laptop computer.

Available sunlight around the globe varies enormously. For instance as Fardux is UK based the level and intensity of sunlight is considerably less than in the middle east regions hence the number / type of solar panels required to power a system is different in the middle east than in the UK.

For inline production tests on wells in remote locations where there is very often no mains electricity connected , the Fardux solar panel power system is an ideal solution Many such locations (deserts) have an abundance of sunshine and as a consequence a ready source of raw fuel to power the solar energy cells.



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Wireless Transducers

We have been monitoring the progress of the wireless transducer systems that have been with us for some time now and they are gradually approaching the point where they may be becoming suited to our application.

Function

The transducer sections themselves are not changing it is the replacement of the line driver (4-20mA) electronics with a wireless transmitter. The reason the line driver electronics is replaced is to minimize the amount of power required to be drawn from the integral battery of the transducer.

However before we look at wireless coverage and networks there are a few things we must consider such as resolution and read rate.

By resolution we mean the resolution that the system produces, some manufacturers can only achieve 12 and 14 bit which is not sufficient for our applications.

Transmit Rate is a general statement to determine how fast the transducers will respond and transmit. Often in our applications we are required to read transducers at once a second. Where a wireless transducer is involved care has to be taken in determining how fast the transducer will respond and for how long.

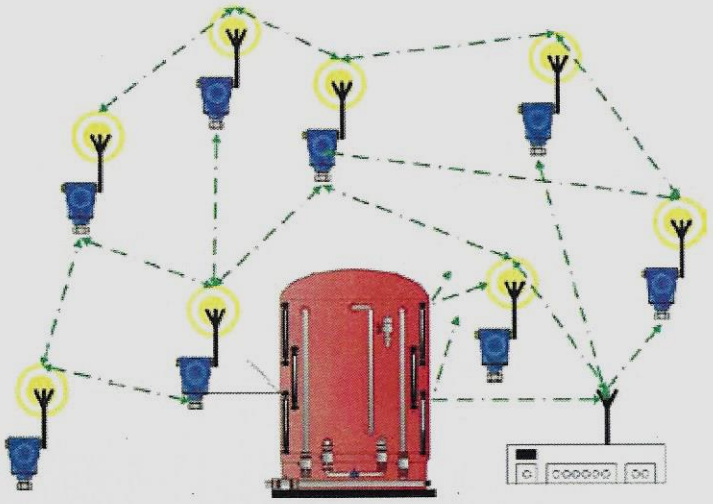
Network

The other thing to consider is the signal path or network. Ensure that the transmission path does not rely on a point to point (line of sight) system and that the system will automatically change frequency, known as frequency hopping.

The user needs to pay careful attention to the frequency band used as not all the apparently "free" bands are available throughout the differing countries.

Battery

As the devices are self contained, battery powered, care must be given to the expected life of the battery. The battery selection would be determined by the amount of power the system uses. Hence the faster the transmit time the shorter the battery life.



Electrical Safety

Before the device can be put into a hazardous environment it must have a full electrical safety certificate.

Conclusion

Wireless transducers are improving steadily but we believe the time is not yet right to switch over to this technology. Too many issues still exist with reliability of signal and data quality . As we have said for a very long time , rubbish in to the data base can only result in rubbish analysis out of the data base .

We understand very clearly the desire of our community to reduce cabled connections and to replace them with wireless technology. Having said that we also understand very well the necessity for continuity of data gathering and the quality of data stored .

Rest assured that we continue to look at new technologies constantly and evaluate progress in these areas in order to integrate any such enhancements into our product delivery , just as soon as they are truly suitable for our environment.

'We never have the luxury of the "science project " arena in our world of work. If we cant get something working within a couple of hours then its generally going back to town on the next boat.'

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