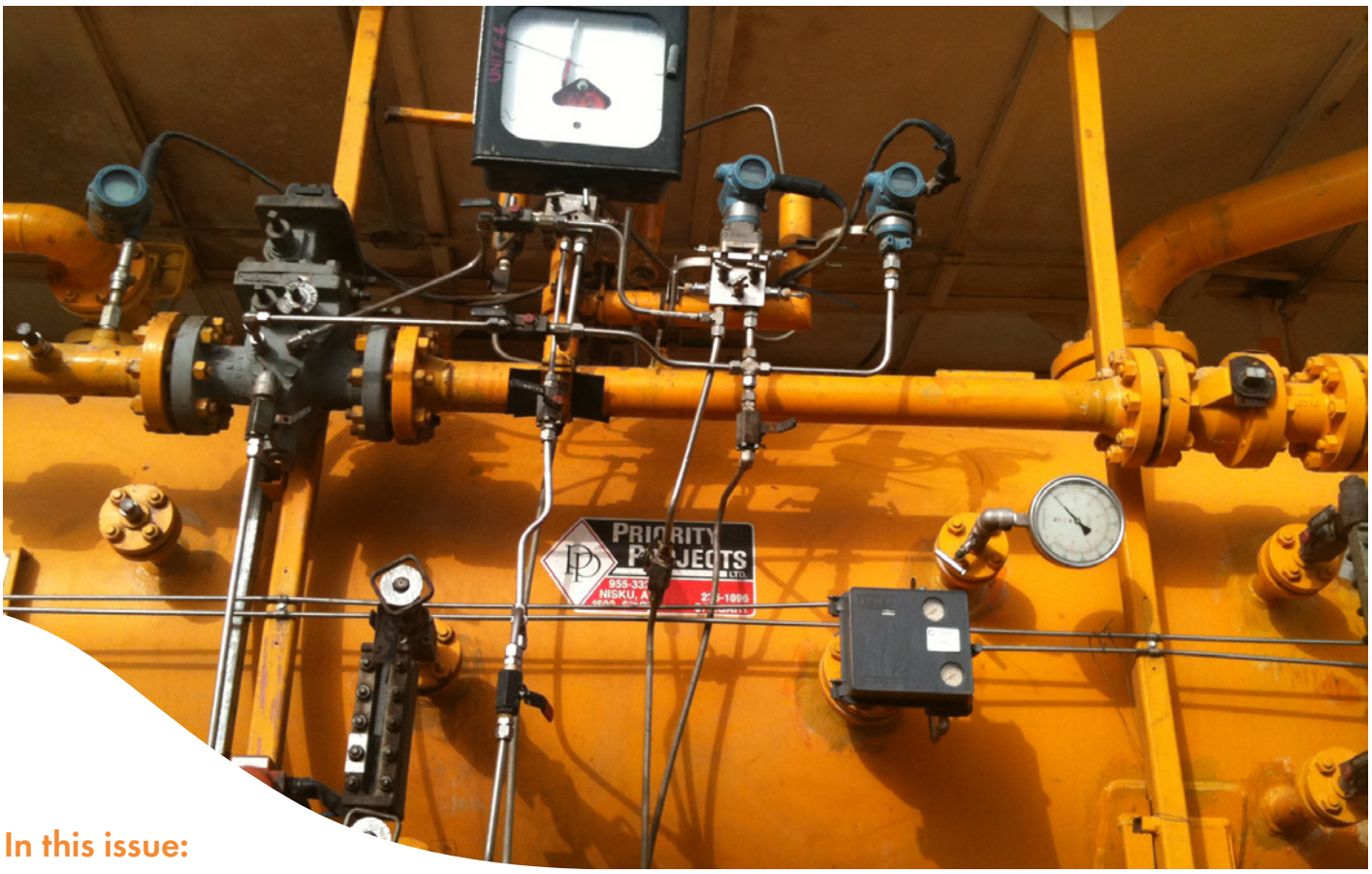
FARDUX
ELECTRONIC DATA ACQUISITION

COMMSCOURIER



In this issue:

Welcome

2011 has shown a marked upturn in the exploration end of the oil and gas business. This has a direct impact on our fortunes and as a consequence we have been very busy throughout the year so far. The back half of our financial year looks particularly strong as we welcome new clients from all corners of the globe.

In order to make sure that we don't let anyone down we have increased our field engineering/ training course resource by taking on William (Bill) Heslop. Bill has worked as a contractor for the Wellwise Group for a number of years so becoming part of the employed staff was not such a major hurdle for Bill anyway. Bill will work along side Clive Curtis in Training/Software Testing and Field Operations roles, we wish him good luck and look forward to our workload being shared. **continued >**

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continued > Aaron Childerhouse completed his Higher National Diploma (HND) in Electronics and Electrical Engineering (Double E)at the back end of summer 2010. This is the culmination of five years of hard work for Aaron and we all extend our warm congratulations and support for him going forward. Aaron has now full responsibility for hardware electronics design engineering and has proved himself many times to be "not bad " at what he does .

As is the norm with Fardux, we have made several software enhancements, some of which are discussed in the articles in this issue. Perhaps the most major enhancement is on the reporting software as well as the new HASP dongles allowing revalidation of date of expiry via a simple email message file that can be uploaded from the application software .

While Microsoft Win7 has been released for sometime now, we will continue to support M.S. Vista platforms and also M.S. XP until the end of 2011. From January 2012 we will no longer support XP since it is already two generations of operating system behind and we cant be expected to offer support for our products when used with such ancient O.S.'s indefinitely. Please consider upgrading your field computers to Win7 before the end of the year. You will need an upgraded dongle for which we will be only too pleased to offer you a quotation.

As this issue shows we have been busy with training courses , most of which have been at clients facilities as the O and G business picks back up. We will continue to offer our in-house scheduled training schools here in the UK since this delivery still represents a valuable alternate for some clients.

Our DataCast operating System platform is now developed for Windows Server 2008 although we are still supporting Win2003 Server for the remainder of this year. The new OS environment has offered increased levels of stability for DataCast and we continue to grow this offered service for new and existing clients.

This issue of Comms Courier has a good variety of articles ..... we hope you enjoy the read!

Tell us what would you like to see in the news letter on Fardux@wellwisegroup.co.uk

Aaron Childerhouse completes HND

Aaron Childerhouse our Electronics Engineer completed his HND in Electrical Electronics Engineering in November 2010.

Aaron started day release at Norwich City College in September 2005 to complete a ONC (Ordinary National Certificate) in Electrical / Electronic Engineering this course lasted for two years.

At the end of his first two years he then began a HNC (Higher National certificate).

He then went on to complete a one year course to gain a HND (Higher National Diploma). The course comprised of electrical and electronic theory, ranging from 3 phase electrical circuits down to individual electronic components. Aaron also had to design, implement, build and test particular products from scratch.

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Hardware Updates

As part of Fardux's ongoing development we have introduced the following updates to our product range.

The Mini Output Logic Switching Box (MOLSB) has been developed specifically for the Wellservices logger development and has been mounted in the back of the standard IDEA LITE safe area logger to give the facility of alarm and shutdown capability to the system.

The OLSB has been configured to utilise the standard Intrinsically safe apparatus that gives the user the ability to switch :-

- Alarms
- Shut Down Solenoids
- Manual shutdowns
- Linkage to Rig Alarm Systems
- Other Intrinsically Safe Systems

With the inclusion of the OLSB into the IDEA Lite logger box this also give the welltesting community the ability to set of alarms etc when dealing with hazardous circumstances such as high levels of H2S.

New Style Dongles

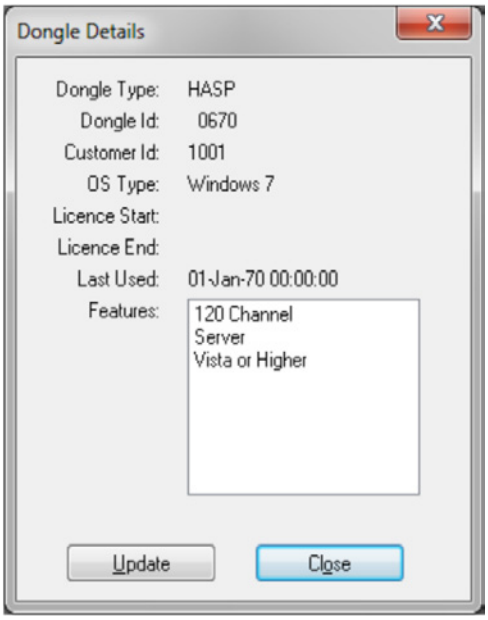
Fardux will be shortly introducing the latest technology newer style dongle keys that will replace the existing Superpro sentinel keys. These new dongles are called HASP dongles.

The main reason for the change is that Fardux can revalidate or activate the keys using a simple e-mail message or Ftp transfer. Instead of returning the keys Fardux will simply e-mail an activation file that can be transferred to any computers in the field using a memory stick or CD.

SuperProDongles HaspDongle

This involves changes to the software and will be included in the release of the latest version 4 software series to be announced shortly.

The software features a new section under the Help/About section as shown.



The user simply has to clck the Update button and search for the location of the update file and the software will automatically revalidate the HASP dongle.

Permanent Mounted IDEA Loggers

Fardux have successfully developed and installed a series of permanently mounted logger systems based on the existing IDEA software suite.

This package is intended for use in Early Production Systems, Trailer Mounted Well Testing Units and all other installations where the cabling is to be installed on a semi/ permanent basis.

While the logger stays the same the cabling system is customised on location to fit the application, this can be either a LITE, Enterprise or Wellservices.

Fardux have several of these systems in the field all working successfully and used in conjunction with the OLSB gives emergency shutdown capability

Fluid Meters In Position

Cables In Conduit

Multicore Feedthrough

Permanent Mount Hazardous Area Box

Pump & Gas Monitoring

ESD Buttons

Actuator Position Monitor

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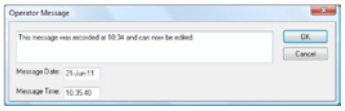
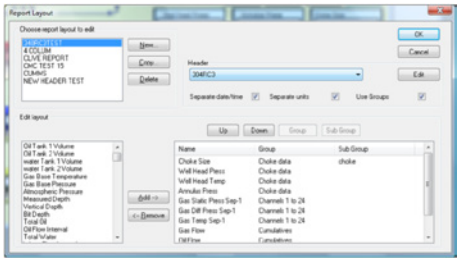
New Software Enhancements

The next release of software will contain some new enhancements, many of which have been requested from you guys who work in the field using Fardux software so keep those ideas coming in to us.

Operators' messages can now be edited for date, time and text.This then allows the operators log to be used as a true sequence of events which can then be merged into the report data, saving an independent csv file being created in excel.

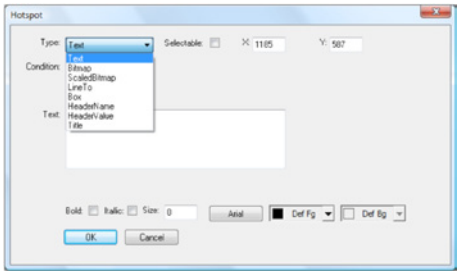


Custom Report header.



You can now create your own customised report headers to suit individual customers' requirements.

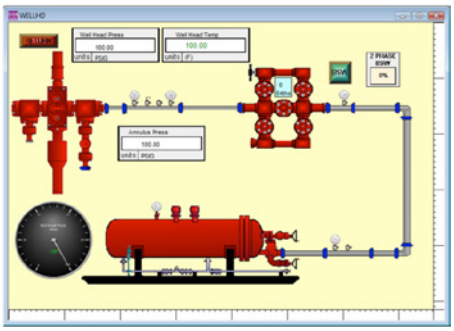
You can add bitmaps, header fields, titles, lines, boxes or text to create the exact header layout you require. Text colours can be changed as can font type and size.



On Screen schematic editor.

You can now modify the schematic files direct from the bitmaps no more need to open paint to find co-ordinates then modify text files.

Simply select the edit schematic option and then you can move existing schematic commands or add extra data including dial gauges and bar graphs.



Colours and font sizes can be changed for individual parameters.

With the addition of the 24 bit A-D and Microprocessor cards we have also included a 24 bit software simulator.

Flowrate Averaging.

The calculated oil, gas and water flow rates now update on the trends at the same frequency as the calculation interval. In conjunction with this the flow rates can now be averaged over longer intervals (such as 5 or 10 minutes) by using a macro.

File save as.

An easy way to reuse existing elf file and give it a new name.

Wits real time and post data bulk import.

Wits data with a time delay can now be received from an external source and plotted real time, this also applies to our data cast web viewer.

Historical data can be now imported in batches from a memory stick. Basically the software can now write historical data to the database from a WITS feed or a batch file.

Datacast Website.

We have made some changes to our data cast web viewer software. When downloading reports you can now merge the operator's log. Plot scaling can also be changed and we now display multi plots as standard.

Offshore Technology Conference 2011

Once again Fardux have exhibited at the Offshore Technology Conference (OTC) in Houston to showcase our hardware software, and demonstrate the capabilities of Fardux new and existing products.

This year Fardux were represented by David Mason and Clive Curtis

We hosted several simulations of our products and demonstrated our web casting capabilities enabling clients to receive real time well test data from any global location with multiple recipients, Using Datacast clients and engineers are able to be centrally based yet evaluate data from any given job with associated savings in time and operating cost.

We also met and welcomed several existing customers and made contact with several potential new customers.

Training Courses

Camco Libya Feb 2011

Abdallah, Kamel, Ashibani, Tarek, Adel, Yousef, Alaaeddin, and Hatem.

Sapesco Saudi Jan 2011

Akram and Hossam.

Expro Brazil Feb 2011

Jose, Rodrigo, Andre, Felipe, Joni, Daniel, Ediel, Eliardo, Fabio Daniel and Gilson

Tetra Brazil June 2011.

Helder, Leandro, Michael, Sonei, Luiz, Jualdenis and Sebastian.

GDMC Sep 2010

Mohammed Taha, Mohammad Al-Sarraf, Mohammed El.Sayad, Hazem, Robin and Issa.

A Day in the life of a Well Test Data Acquisition Engineer – Diego Golosov

I have worked for Expro for nearly five years. I finished my graduation in Telecommunication Engineering in December 2006 at the Federal Center for Technological Education of Rio de Janeiro (CEFET/RJ). In Feb 2007 I started work for Expro as a Trainee Field Engineer in the power chokes department as Secure Drilling Engineer located in Macaé - Rio de Janeiro Brazil.

I worked with Secure Drilling System in both offshore and onshore Well Control projects. This included measurement and analysis of flow and pressure data, using proprietary algorithms to identify minute downhole influxes and losses on a real-time basis. The system allows drilling decisions to be made based on actual data versus predicted downhole environments, providing real-time monitoring of wellbore parameters.

In January 2009 I was transferred to Expro FSA as Sampling Engineer involved in several onshore and offshore jobs for IOC's and Petrobras. I also worked with Well Testing department as an operator.

In July 2010 I was transferred to Expro DAS, as Data Acquisition Engineer, using the Fardux system to get the well testing surface data. Monitoring and identifying problems before they become serious and remedial action to be taken. It also enables the identification of stable conditions which can be used to make decisions relating to the well.

In August 2010 I was appointed to be responsible for deployment and execution of the well testing data transmission system from rig to office using the Datacast system.

The most challenging of my work is the non existence of routine. I work in an industry where technological innovation is continuous, where we have to adapt quickly to this process. The oil market teaches us many things, one of these is the planning of work and that even though we plan we have to learn to deal with unexpected situations and provide quick solutions to our customers. As we know oil exploration generally occurs in remote locations with few resources. It is fascinating to know that we are part of this important sector and contribute to the development of the World.

A Day in the life of a Well Test Data Acquisition Engineer – Diego Golosov (continued)

Recent locations I have visited are:

- Rio de Janeiro - performing the first trial Datacast job.
- Brazil for Petrobras
- Rio Gallegos, Argentina for Repsol
- Haugesund, Norway for an Expro Seminar
- Lafayette, USA for Well testing equipment maintenance

I would like to travel to Aberdeen, United Kingdom.

Unfortunately when we normally visit a country we have very little time to get to know the culture, eat the typical foods or travel around the city and get to know people.

My family is accustomed to my working life. At the beginning I lost girlfriends because it is sometimes difficult for people to understand this industry. I like to hang out with friends, travel to different places and go to the beach.

I would like to thank all the support given to me by Fardux. Fardux always respond to us quickly and with excellent solutions.

We always encounter difficulties in life and most importantly we learn how to deal with then - enjoy the day of success and learn from the day of loss!