

FROM THE NEW EDITOR

Dear Reader, welcome to the 24th edition of the FFEUC Aust newsletter.

This newsletter is in a new format so that you can “drill down” to articles that interest you. We welcome any comment on this.

I would like to introduce myself, I am Kelvin Oakes. Originally qualifying in the field of communication electronics and later, marketing, I worked in the instrumentation industry overseas for 13 years before moving to Australia 3 years ago. I am honoured to be a part of the FF community and look forward to bringing you the latest news from both the FFEUC Australia and the FF market at large.

Also should you have any article, lesson learnt, FF question or other useful information please pass it on for potential publication.

Email: <mailto:kelvin@fieldbus.org.au>
Editor

FROM THE CHAIR

Things are really moving on in the FFEUC-Aus, the technology has at last become recognised as been the number 1 choice for many End Users. Also End Users themselves are more aware that they have to undertake training and implement those critical competencies in order to ensure a successful project.

Also as we have had the essentially the same core committee for a number of years and perhaps the thrust of the organisation has stagnated it was recognised that we need new blood and a review of our operation. Our review showed that whilst we had done an excellent job on most aspects we had been sadly lacking in marketing ourselves. We have agreed to a new set of Key Performance Indicators. This will not only improve the way we work but also take some of the workload off the committee members. Hopefully we will also be in a position to increase the number of true end users on committee as well by ensuring that the amount of effort associated with this is minimised.

As you can see we are really moving forward and would appreciate those End Users either to implement or have implemented Foundation Fieldbus really considering being part of the FFEUC, the time involved can be as little as 1 hour every two months.

Jim Russell
Chair FFEUC-Aus Inc
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Your Committee Members

Need to contact us?

Follow the link for the latest EUC contacts page: - <http://www.fieldbus.org.au/contacts/EUCAcmtc.htm>

Foundation Fieldbus Training

TRAINING: The Foundation Fieldbus (FF) End User Council Aus Inc in conjunction with the Southern Alberta Institute of Technology (SAIT) and Seacove Systems offers Certified FF Training at both a core level (Essentials) and Advanced level (Configuration). Details can be found on the hyperlinks below:

Essentials - <http://www.fieldbus.org.au/training/esls-crs.htm>

Configuration (1-day practical) (Essentials is a pre-requisite) <http://www.fieldbus.org.au/training/cfgn-crs.htm>

Foundation Fieldbus good news stories

Automation of Brunei Shell Petroleum platform - http://plantweb.emersonprocess.com/News/605_bruneishell.asp

Level measurement at Esso refinery using PlantWeb to deliver installation savings and integration - http://plantweb.emersonprocess.com/News/411_esso.asp

Approximately 60 percent of new Power Industry plant to utilize digital bus technologies; installation of digital plant architecture reinforces power industry's growing acceptance of digital automation approach - <http://www.emersonprocess-powerwater.com/news/pr/PortWestward.htm>

Emerson awarded contract for digital automation of first phase of \$9.4 billion Horizon Oil Sands Project in Canada - http://plantweb.emersonprocess.com/News/606_cnrl.asp

Emerson has completed digital automation engineering and design for the facilities expansion of one of the world's largest liquefied natural gas (LNG) projects- <http://www.manufacturing.net/ctl/article/CA6343153.html>

Honeywell has been awarded a Process Automation Systems contract for new and existing petrochemical plants to be operated by EQUATE Petrochemical Company K.S.C. (EQUATE¹) at a petrochemical site in Shuaiba, Kuwait. EQUATE operates existing plants at the Shuaiba site for the production of ethylene glycol, polyethylene and polypropylene. The announced Olefins II Project between Dowⁱⁱ and PIC will create several new plants for the production of ethylene and ethylene derivatives.

Honeywell will install its Experion® Process Knowledge System (PKS) automation platform for operation of the new plants, and will migrate existing legacy TotalPlant® Systems at the EQUATE plants to Experion PKS. Migration at the existing plants of EQUATE will be complete in 2006, and installation at the new plants is planned in line with expected start-up in 2008.

Foundation Fieldbus Lessons Learnt

The Fieldbus Foundation has useful User Forums, you will have to register but it is worth it.

<http://forums.fieldbus.org>

The ISA fieldbus forum is excellent- http://www.isa.org/scripts/lyris.pl?enter=fieldbus&text_mode=&lang=english

Do you have any lessons learnt? Please contact the editor.



Foundation Fieldbus New Applications and Updates

Do you have any new applications? Please let us know

Foundation Fieldbus Tools

The latest version of Segment Checker from Pepperl +Fuchs makes designing a fieldbus network "drag and drop" easy - <http://www.manufacturing.net/ctl/article/CA6343153.html#12>

A new calculation tool from MTL simplifies the design of intrinsically safe FOUNDATION fieldbus segments that use MTL's Fieldbus Barriers. Available free on the MTL Web site, the tool automatically checks the operation of each part of the circuit and displays warning messages if any input parameters or calculated values are out of range. Go to <http://www.mtl-fieldbus.com>

New Foundation Fieldbus Products

Route-Master delivers high segment current to IS areas
<http://www.manufacturing.net/ctl/article/CA6343153.html#09>

General Foundation Fieldbus News

Get the latest edition of Fieldbus Facts online at <http://www.manufacturing.net/ctl/article/CA6343153.html>

The Fieldbus Foundation has announced its support for an ISA committee creating a harmonized version of the International Electrotechnical Commission (IEC) 61804-3 international standard on Electronic Device Description Language (EDDL). http://www.fieldbus.org/News/default.asp?news_x_language_id=677

The Fieldbus Foundation has announced the release of its enhanced H1 Interoperability Test Kit (ITK) 5.0 version.

FFEUC-Aus Event Calender

TECHNICAL MEETINGS PROGRAM- PLEASE SCHEDULE IN YOUR DIARY.

(All Events will be held 5:00-7:00pm at the Emerald Hotel – Mount Street, Perth unless specifically advised)

16th AUGUST

Tools for Foundation Fieldbus Configuration, Testing, Commissioning and Maintenance
+
FF Training – A demonstration

8th NOVEMBER

The TRUTH about HART and Fieldbus
+
AGM



Foundation Fieldbus Resources

For the latest information on all FFEUC-Aus Inc activities and some great Foundation fieldbus technical data please visit our website <http://www.fieldbus.org.au>

Look under Technical notes, review previous papers since 2001, discussion topics and links to IEAust, ICEweb & ICEpros, the IICA, ISA & the FFEUC, Check out the new training kits & course time tables. (Training)

A huge listing of Foundation Fieldbus technical resources - <http://www.iceweb.com.au/Instrument/fieldbus.htm>

DID YOU KNOW?... You can find a list of all registered products at the Fieldbus Foundation's Registered Products Page. Also if you experience difficulties in configuring your registered fieldbus device, you can obtain specific information regarding your device. <http://www.fieldbus.org/ProductsAndServices/RegisteredProducts>

Download device descriptions – <http://www.fieldbus.org>

Learn fieldbus and Ethernet at your own pace: <http://www.isa.org/fieldbuses>

Learn OPC and automation software at your own pace: <http://www.isa.org/autosoftware>

Lots of good information can be found in the Fieldbus Report (a large download but worth a look) - <http://www.fieldbus.org/email/aprilsupreport.pdf>

Application Guides

31.25 kbit/s Intrinsic Safe Systems

<http://www.fieldbus.org/pdf/ag-163s.pdf>

Wiring & Installation 31.25 kbit/s, Voltage Mode, Wire Medium

<http://www.fieldbus.org/pdf/ag-140s.pdf>

PLEASE NOTE: If you know someone who might be interested in receiving Fieldbus Facts, via e-mail please send them this link: <http://www.manufacturing.net/ctl/subscribe.asp>

Whilst every effort is made to ensure technical accuracy of the information in this newsletter, the Fieldbus Foundation End Users Council Australia Inc accepts no liability for any loss or damage caused by error or omission from the data supplied. Users should make and rely on their own independent inquiries. By accessing the newsletter users accept this condition.

Should you note any error/omission or an article offends please do not ignore it, contact <mailto:kelvin@fieldbus.org.au> and we will review, rectify and remove as necessary.

Finally should you wish to be removed from the mailing list, please send an email to <mailto:jim@fieldbus.org.au> with the subject header "PLEASE REMOVE FROM FFEUC EMAIL"