
# Profibus Newsletter

October 2006

## WIRELESS SEMINARS – 18TH AND 20TH AUGUST 2006

Our wireless seminars were held in Johannesburg and Cape Town in August.

The PUGSA held a very successful technology update on Wireless in Industry at the Siemens Auditorium in August 2006. Industrial wireless communications was discussed and presented by international speakers relating to its application within Profibus, Profinet and Profisafe. The international speakers were Josef Schmitzer of Siemens, Peter Engelhardt of Phoenix Contact and Thomas Schildknecht of Data Eagle, represented locally by the Lapp Group.

(From left to right) Thomas Schildknecht (Schildknecht - locally represented by The Lapp Group); Josef Schmitzer (Business Development SIMATIC NET - Siemens); Ed Bauer (Vice Chairman - The Southern African PROFIBUS User Group); Peter Engelhardt (Business Unit Automation Systems Global Account Manager Overseas - Phoenix Contact); Dieter Dilchert (Chairman - The Southern African PROFIBUS User Group) present at a recent forum hosted by The Southern African PROFIBUS User group to review the latest technology associated with Wireless Profibus, Profinet and Profisafe.

## PROFIBUS USER GROUP SA ANNOUNCES ACCREDITATION OF INSTALLERS

Following in the footsteps of the Profibus User Organisation in the UK, the South African chapter has decided to introduce an accreditation system for Profibus Installers in SA.


Reported by the PCC in SA, by far the majority of problems experienced in commissioning or fault finding of Profibus networks can be attributed to installation problems. Over the last two years, hundreds of people have passed through the PCC's Certified Installers and Certified Engineers training courses, so the skills are available.

From 1 January 2007, Profibus users in South Africa will be able to access a list of companies accredited by the PUG to install Profibus networks. If you are in the business of designing and installing Profibus networks and would like to find out more about how to gain this accreditation, please contact Kessi at kessi.coetzee@za.endress.com.

## INTERNATIONAL NEWS

## PI WELCOMES EMERSON/ SIEMENS CO-OPERATION

PI (Profibus International) has welcomed the joint announcement by Emerson Process Management and Siemens Automation and Drives that both companies are exchanging technology and providing each other with engineering support. Siemens will be adding interfaces to its SIMATIC PCS 7 process control system and Process Device Manager (PDM) tool to support FOUNDATION Fieldbus (FF) standards in addition to the PROFIBUS and HART standards they support today. Emerson will be similarly expanding its Delta V and Ovation control systems as well as its AMS Suite with an interface for PROFIBUS DP and PROFINET in addition to the FOUNDATION Fieldbus and HART standards.

PI Chairman Edgar Küster said that the development is especially important for PROFINET and PROFIBUS DP, particularly in view of the global process automation market in which the American company Emerson plays an outstanding role, as it provides an ideal starting point for further disseminating open technologies.

## HIGH SPEED MEDIA REDUNDANCY FOR PROFINET

The PROFIBUS Nutzerorganisation (PNO) in Germany has concluded a licensing agreement with Hirschmann and Siemens - co-owners of the rapid-recovery redundancy technologies for Ethernet known respectively as HSR and HiPER-Ring - to sub-license the technology to PNO member companies. The sub-license covers PROFINET Controllers (eg PLCs) or PROFINET field devices with integrated Controller Functionality having Redundancy Manager status. Products with a Redundancy Client are granted a free license.

The deal is significant not just because it is the first to provide a realtime media redundancy service for PROFINET networks (conventional Rapid Spanning Tree is already available), but because of its relevance for automation realtime. The basic HSR/ HiPER-Ring technology delivers 200 to 300 ms recovery time (an order of magnitude faster than RST) which is suitable for PROFINET's TCP/IP activity as used for IT connectivity, parameterisation, alarms, etc. If ERTEC 200 or 400 chips are used in controller and field devices together with Isochronous Real Time (IRT), recovery times of microseconds can be achieved for motion control applications.

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