

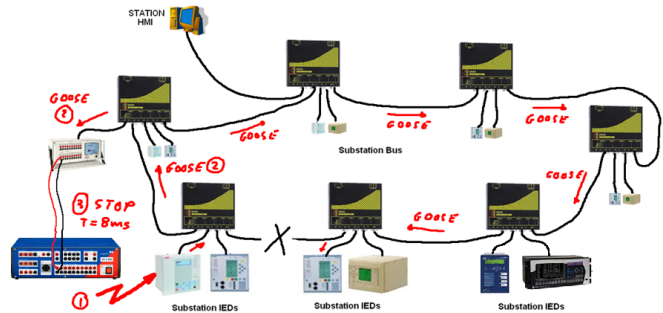
## FMTP Power & NettedAutomation

Join their long-term experience in training and consultancy for power system automation and protection

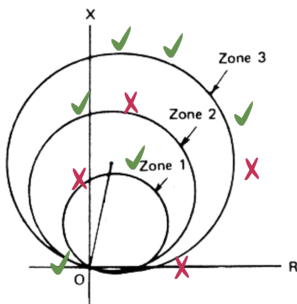
Press release:

Uppsala (Sweden), Karlsruhe (Germany)  
16 September 2014

Power system automation and protection is challenged with the application of new standards like IEC 61850, IEC 61400-25, IEC 60870-6 TASE.2, IEC 60870-5, DNP3, and many others.



These standards are implemented in many protection, control, and monitoring IEDs, as well as in asset management systems. The standards are globally accepted and they are used all over.



The most crucial situation is the **lack of knowledge**: What are these standards really offering? How should they be used? What are the DOs and DON'Ts after some 10 years of experience with the application of these standards? What are the requirements to reach interoperability of devices from multiple vendors? How to configure GOOSE messaging for protection applications? How to do trouble shooting?

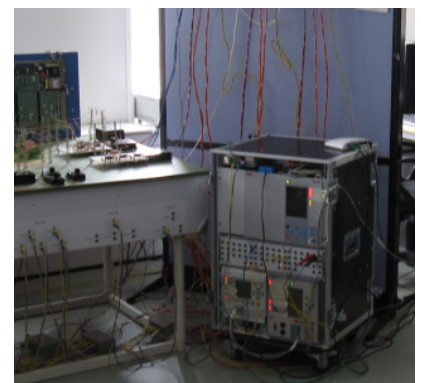
FMTP Power and NettedAutomation have each long-term experience in the application of these standards for protection and control as well for SCADA application – helping you to get what you need.

FMTP and NettedAutomation **offer the most comprehensive and vendor-independent education and practical training courses** – they combine their knowledge and practical experience with substation control and protection (Mr Andrea Bonetti) and communication technology and SCADA (Mr Karlheinz Schwarz).



Karlheinz Schwarz during IEC 61850 trouble shooting at a 920 MW power plant

During the past years, Mr Bonetti and Mr Schwarz conducted together several training courses and seminars. They discovered the value of their combined knowledge and experience for customers and decided to provide common seminars based on their combined experience of more than 60 years.



EES-UETP Course on IEC 61850 at KTH, Royal Institute of Technology, Stockholm, 11-13 June 2012

The combination of basic Theory and extensive Practical Help is what the industry needs – to keep the power flowing.

## **FMTP Power & NettedAutomation**

Join their long-term experience in training and consultancy for power system automation and protection

### **FMTP Power AB – Mr. Andrea Bonetti**

Our expert Andrea Bonetti, was born in Bergamo, Italy, 1966. He graduated in electrical engineering (MSEE) at Università La Sapienza of Rome, Italy in 1993. Andrea worked for 10 years as high voltage protection engineer for **ABB** Substation Automation Products in Västerås, Sweden. Since the first years of the IEC 61850 standard, Andrea gave local and remote support in several projects with IEC 61850 implementations for protection and control applications with ABB 670 IEDs, where testing and interoperability was crucial. Andrea was part of the International **ABB teaching team** to spread the knowledge of IEC 61850.

Andrea also worked at **Programma/Megger** as product manager for relay test equipment. He worked on the development of IEC 61850 compatible relay test set and software tools, resulting into patented solutions.

After having worked at **STRI AB** as technical manager for the Substation Automation Unit, Andrea works now at **FMTP AB** as technical manager.

Andrea is member of the IEC TC 95 – MT4 technical committee (“Measuring relays and protection equipment”) since 2006. During year 2013 Andrea has received the IEC 1906 Award.



### **FMTP Power AB**

Associated specialists from the Power Industry with knowledge and experience in Protective relays, Smart Grid, IEC 61850, Circuit breakers, battery testing, ...All of them have more than 20 years' experience in Power Industry from the G5 group ( ABB, ALSTOM, GE, SCHNEIDER, SIEMENS ). They are involved in many standardization activities within IEC since 2002. They are have consulting activities and are organizing worldwide, customer specific Seminars and training courses.

[www.fmtppower.com](http://www.fmtppower.com)

### **NettedAutomation GmbH – Mr. Karlheinz Schwarz**

Our expert, Dipl.-Ing. Karlheinz Schwarz (president of Schwarz Consulting Company, SCC, and owner of NettedAutomation GmbH; Karlsruhe/Germany) specializing in distributed automation systems. After he received his Diplom-Ingenieur from University Siegen (Germany) in 1982 he worked 20 years for **Siemens**. He is involved in many international standardization projects (IEC 61850 – utility automation, DER, hydro power, IEC 61400-25 – wind power, IEC 61158 – Fieldbus, MMS, ...). He received the IEC 1906 award in 2007.

He is engaged in representing main industry branches in the international standardization of real-time information modelling, configuration, and exchange systems. Core services are consulting and training of utility personal, system integrators, consultants, and vendors. He has educated more than 3.600 experts from more than 800 companies and more than 80 countries.

The training courses are considered to be outstanding. Mr. Schwarz is a well-known authority on the application of mainstream information and communication technologies in the utility industry and general automation domain.

<http://www.blog.iec61850.com>

More experience and background information can be found here:

<http://nettedautomation.com/download/Sem/fra14/General-Training.pdf>





## **FMTP Power & NettedAutomation**

Join their long-term experience in training and consultancy for power system automation and protection

### **Contact:**

#### **FMTP Power AB**

Knivsbrunna 31

75598 UPPSALA / SWEDEN

 +46 73 461 2350

 +46 18 495 1068

 [andrea.bonetti@fmtpower.com](mailto:andrea.bonetti@fmtpower.com)

[www.fmtp.se](http://www.fmtp.se)

[www.fmtpower.com](http://www.fmtpower.com)

#### **FMTP™ “From Minus To Plus”**

Engineering solutions and Consulting for the global Power Industry and other Industries.

#### **NettedAutomation GmbH**

Im Eichbaeumle 108

76139 Karlsruhe / Germany

 +49 721-684844

 +49 721-679387

 [schwarz@scc-online.de](mailto:schwarz@scc-online.de)

<http://nettedautomation.com>

<http://blog.iec61850.com>

First training courses by Andrea Bonetti and Karlheinz Schwarz will be conducted in fall 2014; the first courses will be in-house training courses.

Check for updates on public courses and course programs:

<http://www.fmtpower.com/en/dept/training-seminars>

<http://www.nettedautomation.com/seminars/uca>

FMTP and NettedAutomation will also cooperate with local partners in Asia, South America, North America, Middle East, Africa, and Europe.

If your organization is interested to cooperate, please contact us.