

# CERTIFICATE

of attendance

We confirm that Mr.

**Gediminas Gaidys**

UAB Aedilis

has attended the seminar

**SICAM 1703 Advanced Workshop**

From 17.05.2010 to 21.05.2010

## Content:

Data points and commands transmission to/ from four SCADA systems of IEC 60870-104 protocol (configuration with selective data flow routing and configuration with CAEx plus)

Data points and commands transmission to IED of IEC-60870-103 protocol

Data points and commands transmission to IED of IEC-61850 protocol

Data points and commands configuration of SPAbus, profibus

Data points and commands configuration of IEC-60870-5-101 protocol (balanced and unbalanced mode)

Control authority configuration with CAEx plus for SCADA systems

Function block creation with CAEx plus

CAEx plus Oscilloscope function

Decentral archiving configuration (Error storing function, archive sending to control center)

Excel import/export and data configuration

Automatic data flow routing configuration

VLAN configuration

Formulas and references creation with OPM II

SICAM 230 Basic Configuration

Data points analyzing with data flow test

**Power Academy Vienna**

21.05.2010

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Herewith we confirm that

**Gediminas Gaidys**

participated successfully in the training

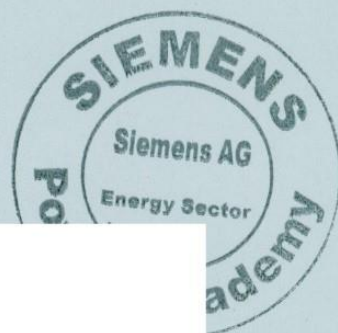
**SICAM PAS – Parameterization**

from 24/08/2009 to 28/08/2009

Covered subjects:

Basics of SICAM PAS  
Setting up SICAM PAS software  
Starting Parameterization  
Normalization  
Telecommunication with IEC 101/104  
Topology  
HMI Interface  
Remote WinCC  
System Variables  
Control Authority  
IEC 103 Master Interface  
OPC Communication  
CFC Logic Programming  
Programming Language ST  
Configuring IEC 61850  
User Administration  
Trace Function  
Server-DIP Configuration  
SNMP Monitoring

28/08/2009



Siemens AG  
Energy Sector  
Power Distribution Division  
Business Unit Service  
[power-academy.ptd@siemens.com](mailto:power-academy.ptd@siemens.com)

[www.siemens.com/power-academy](http://www.siemens.com/power-academy)

**SIEMENS**



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participated successfully in the training

**SICAM PAS – Automation with CFC, ST and SFC**

from 07/09/2009 to 09/09/2009

Covered subjects:

Introduction to PAS Automation

Frequently used CFC blocks

Application of CFC in various examples

Basics of programming language ST

Primary use of ST and CFC

Writing programs / functions / function blocks with ST

Combinations of CFC and ST

SFC - sequential function chart for switching sequences

09/09/2009

Siemens AG  
Energy Sector  
Power Distribution Division  
Business Unit Service  
[power-academy.ptd@siemens.com](mailto:power-academy.ptd@siemens.com)

[www.siemens.com/power-academy](http://www.siemens.com/power-academy)

**SIEMENS**



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participated successfully in the training

**SICAM PAS - Basic course**

from 19/08/2009 to 21/08/2009

Covered subjects:

Introduction to SICAM PAS total system  
System Functions  
System Components  
Licensing  
SICAM PAS UI - User Interface  
PAS Runtime System Control with UI Operation  
Test- and Diagnostic tool SICAM Value Viewer  
Basics of Telecommunication  
Interface Test Program  
Siemens Serial Hub  
Local HMI system SICAM PAS CC  
IEC 61850 - Communication Standard for Switchgears  
Configurations Examples  
SICAM PAS Station Unit

21/08/2009



# Sertifikatas



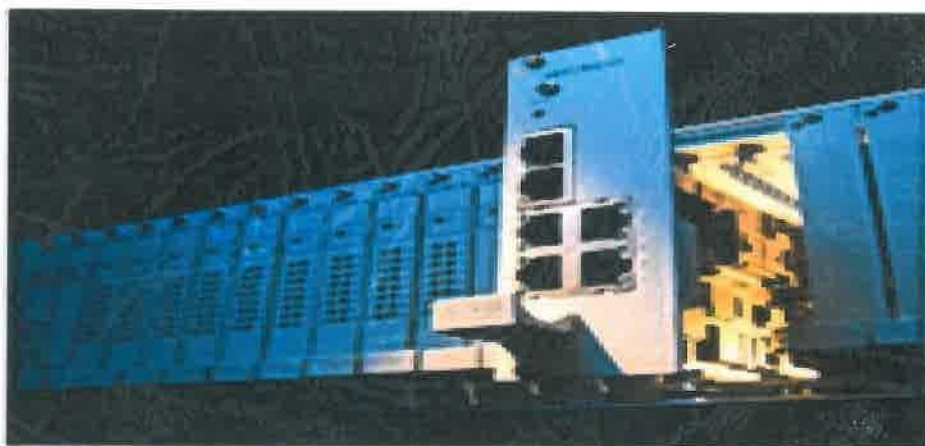
## **Gediminas Gaidys** **UAB Aedilis**

**2013 m. birželio 10 diena dalyvavo 8 valandų trukmės  
TSPĮ RTU500 serijos seminare:**

- RTU500 serijos apžvalga;
- RTU500 serijos paskirstyta modulinė architektūra;
- Įvadas į RTU511;
- RTU500 serijos moduliai;
- RTU560 funkcijos;
- RTU560 inžinerija;
- RTU500 serijos komunikacijos sprendimai;
- RTU500 serijos taikymo pavyzdžiai.

**ABB AG**  
**DEABB/PSNMPX**  
**Area Sales Manager**  
**Renatas Balkė**

**Vilnius, 2013**



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