

NEWTON-EVANS RESEARCH COMPANY
Announces

***The World Market for
Substation Automation and
Integration Programs
in Electric Utilities:
2008-2010***



A multivolume study of the North American and international electric utility markets for substation automation and integration systems equipment and instrumentation during the 2008-2010 time frame

Available from:
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Newton-Evans Research Company is a marketing research and consulting business, focused on measuring electric utility markets for a variety of information technology and instrumentation equipment. The company believes that relevant, timely utility-based market information enables the world community of electric power equipment and systems suppliers to formulate appropriate product and marketing strategies.

In 1984, Newton-Evans conducted its first comprehensive research program providing a clear view of the different major systems, equipment and services market opportunities for the computer, communications, control systems and related equipment, and software within the electric utility industry. Since that time, Newton-Evans has conducted hundreds of public and private surveys of the world's leading utilities concerning this equipment and software, as well as a host of other utility automation topics.

In 1997, and again in 2000, 2002 and 2005, Newton-Evans conducted extensive research programs providing clear views of the *worldwide* substation automation and integration marketplace among electric utilities. Newton-Evans' *Worldwide Market for Substation Automation and Integration Programs in Electric Utilities: 2008-2010* is a multiclient study encompassing the world market for substation automation and integration programs.

This new series of market studies measures current market sizes, and estimates and forecasts demand for substation automation and integration equipment. In addition to profiling utility requirements and plans, the research program is focused on defining the broader product and market requirements which suppliers must meet in order to successfully participate in the substation automation and integration programs within electric utilities worldwide. This new round of research provides an appraisal of products, instruments and related substation equipment and communications systems and services electric utilities of all sizes will be specifying, recommending and purchasing during the forecast period. The study officially commences with field work on June 1, 2008 and will be completed by September 30, 2008.

Key Issues Addressed

- **Product Requirements:** Perhaps one of the most important topics in this study series, the research program identifies and defines the specific product functionality required in substation automation programs. Regional differences in substation integration and automation approaches will be described.
- **Communications and Security:** At the top of the list of issues and concerns to utilities, governments and suppliers is the issue of communications methods, media and protocols along with specific approaches to ensure cyber security and network integrity. Newton-Evans will address these issues in depth in this study.
- **Vendor Requirements:** The future role of smaller, specialized providers of substation equipment, and protection and control equipment, in light of the global reach of large "generalized" transmission and distribution substation equipment suppliers, is examined.
- **Purchasing Plans and Decision:** Specific plans that electric utilities have for acquiring substation-based equipment, instruments, systems and related services is covered in this series. New versus retrofit substation automation and integration issues will be covered.
- **Market Analysis is the Key to the Success of this Series of Reports:** The series provides insight into the future of the substation automation and integration market and what it will take to be competitive in the ever expanding use of technology among North American and international power utilities. Findings and implications are reported on a world regional basis.

Sample Survey Topics

Current Utility Substation Automation and Integration Strategy in the World's Electric Utilities

Obstacles to Implementing Substation Automation and Integration Programs

Estimates of Probable Spending for Substation Automation and Integration Programs between 2008-2010

Communications Methods and Protocol Choices: within the Substation and from the Substation to External Networks

Choice of Physical Links/Media from the Substation to External Host/Network

Ethernet Ports Available in Typical Substation and the Security of these Ports.

Number of Simultaneous Wireless Connections Allowed in Substations

Handling of Primary Substation Information Processing Tasks "Inside the Fence"

External Assistance Required for Substation Automation-Related Activities

Number of Substations Now in Operation; Plans for New/Retrofit Substations during 2008-2010

Alternative Methods of Communicating with Remote Sites in Event of Loss of the Routine Communications Pathways

Specific Equipment Types Envisioned as Being Part of a Substation-Wide Automation Program in the Near- and Long-Terms

Current and Planned Usage of Substation Security Measures and Encryption

Voltage Ranges Used to Power the Substation Automation and Integration Equipment

Data Collected from the Study is Presented in the Text and Analysis and Again Visually through the Use of Many Presentation-Quality Charts and Graphs like those Below

Figure 17 International Current and Planned Usage of Substation Security Measures

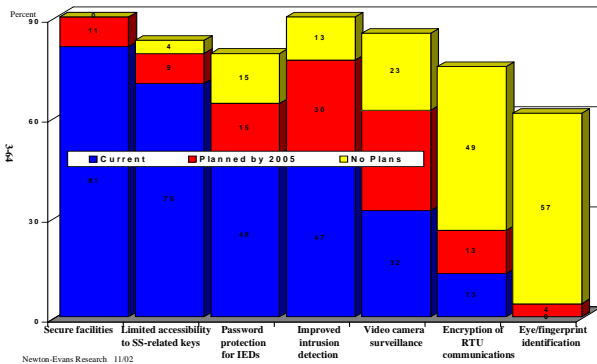
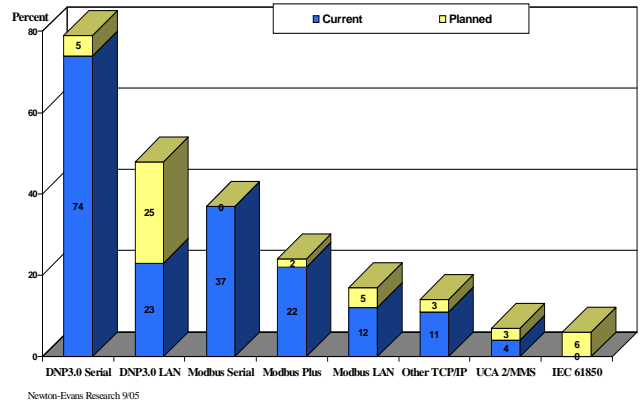


Figure 5 North America Current/Planned Use of Protocols Within the Substation



Research Methodology

The principal source of information for this research study of the worldwide market for substation automation and integration programs is the substation engineering unit of major investor-owned utilities, municipal and provincial utilities, cooperative utilities within the United States and Canada, together with national and regional power systems throughout the world.

Field survey work is conducted using a mix of primary research methods, including interviews, mail, fax and e-mail. When necessary, follow-up e-mail and telephone interviews are conducted by Newton-Evans Research Company staff.

Utility Participation

The response to this study is yielding important information enabling Newton-Evans to prepare this four-volume series with reliable forecasts for substation automation and integration programs throughout the world. Recent technology developments, new market participants, increased level of knowledge and growth in the use of control systems and communications within the worldwide electric utility industry, contribute to the need for information regarding substation automation plans. Comparison of findings with earlier studies is featured in these reports.

Ordering Information

To order the *Worldwide Market for Substation Automation and Integration Programs in Electric Utilities: 2008-2010*, please phone, fax or mail this form with a check (U.S. Dollars), purchase order number, or credit card information to Newton-Evans Research Company, Inc., 10176 Baltimore National Pike, Suite 204, Ellicott City, Maryland 21042. If you are in need of any further information, please contact our offices.

<input type="checkbox"/> Volume 1 – North American Market	\$2,500.00
<input type="checkbox"/> Volume 2 – International Market	\$2,500.00
<input type="checkbox"/> Volume 3 – World Outlook for Substation Automation: Market Forecast and Assessment	\$2,500.00
<input type="checkbox"/> Volume 4 –Substation Equipment, Intelligent Electronic Devices, and Communications Products and Services: Supplier Profiles	\$ 750.00
<input type="checkbox"/> Complete Four Volume Set	\$7,500.00

Please provide our report(s) via: CD-ROM or PDF (email) or Hard Copy (+95.00/report)

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