

A Four-Volume Report by Newton-Evens Research Company

Newton-Evens' Worldwide Market for Substation Automation and Integration programs in Electric Utilities: 2017-2020 is a four volume, multi-client market report. Participants in this market study include utility engineers and managers from investor-owned utilities, municipal and provincial utilities, cooperative utilities within the United States and Canada, together with national power systems throughout the world.

The study will measure current market sizes and contains projections on a world region basis for the next several years. The entire research program will define the product and market requirements which suppliers must meet in order to successfully participate in one or more of these diverse world market regions.

Newton-Evens Research Company estimates from our earlier 2014 substation automation market study indicate that the total world market potential for substation automation and modernization stood at almost \$44 billion. It will be important for the T&D electric power substation design and operation community to learn how changes in the world market conditions since 2014 will affect the outlook for 2017-2020.

Methodology

Field survey work is conducted using a mix of primary research methods including personal interviews, mail surveys, faxes, e-mail and follow-up telephone interviews. Over the past 15 years, more than 1,000 utility officials have participated in one or more Newton-Evens grid modernization and energy automation-related studies.

Sample Charts

Level of Automation for Substations Among 2014 Survey Sample

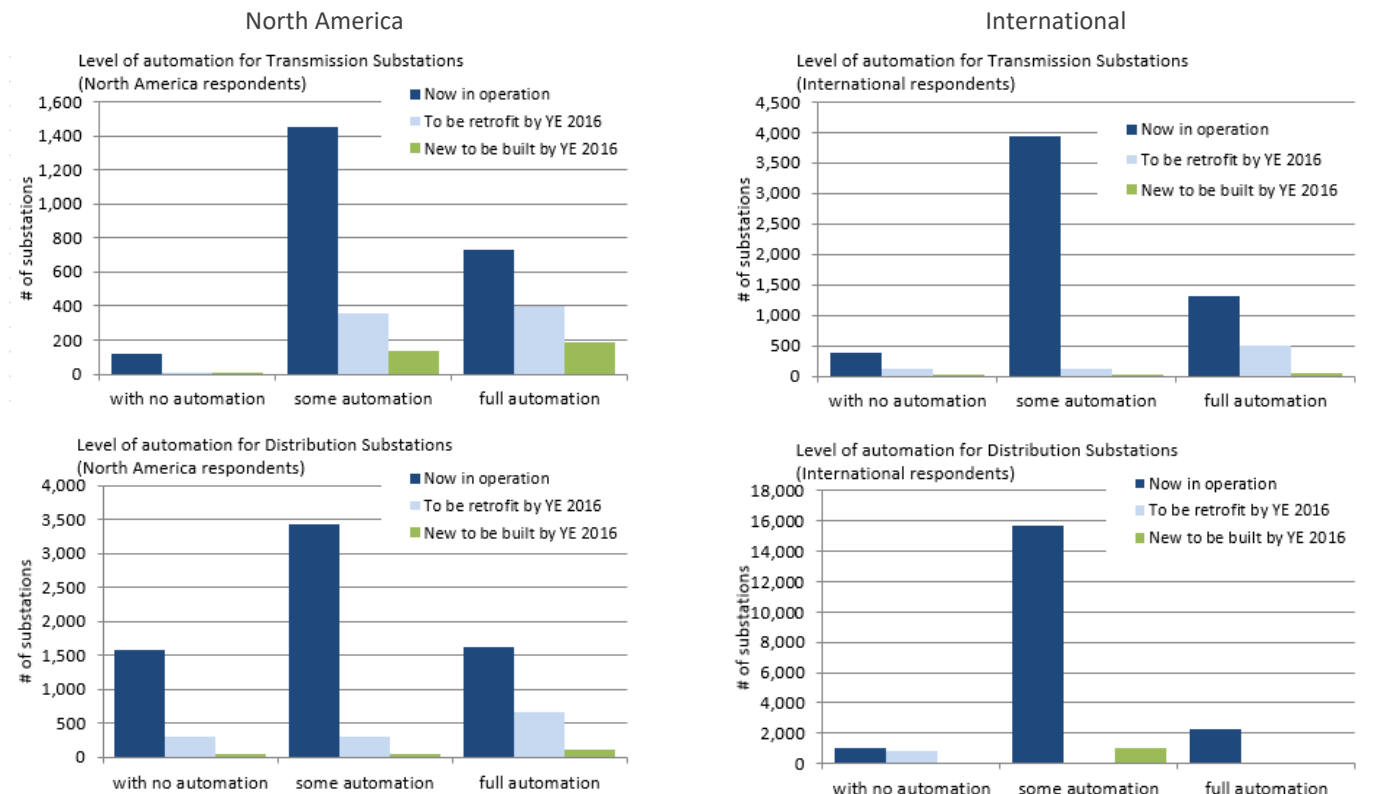


Table of Contents

The survey-based findings in **Volumes 1 (North American Market) and 2 (International Market)** will discuss the following:

- Substation communication: Bandwidth/latency requirements; Encryption and Type of Protocols within substation, between substations, and from substation to external host; Number of simultaneous wireless connections allowed in substations
- Approach to Obtaining Substation Automation Systems and Equipment
- Current and Planned Connectivity of Substations to Other Utility Systems
- Current and Planned Use of Substation Security Measures
- External assistance needed for substation automation and integration-related activities
- Level of automation for T&D substations
- Ranking of "potential obstacles" to implementing substation automation
- Spending Estimates for New and Retrofit Substation Automation Programs

Volume 3:

1. Introduction
2. Section One: Estimating and Calculating the World Market Potential Value of Substation Automation Programs
3. Section Two: Estimates of Population, Electric Production Capacity, Operating Transmission Substations and Operating Distribution Substations, Market Potential for Substation RTUs and PLCs by World Region
4. Section Three: Value of North American Electric Utility Expenditures for Substation Automation and Integration Programs Estimates and Forecasts 2014-2016
5. Section Four: North American Market Share Estimates for Substation Controlling Devices

Volume 4:

Company Profiles of over 75 substation equipment and service providers including ABB Inc.; Alstom Grid; AMETEK Power Instruments; Basler; Beckwith Electric Co., Inc.; C3-ilex; Cisco Systems Inc.; Cooper Power Systems; DNV KEMA; Eaton-Cooper; ERLPhase Inc.; GE/Alstom; Microsol, Inc.; Novatech; OSII; Rockwell Automation; S&C Electric Company; SATEC, Inc.; SEL Inc.; Siemens Energy, Inc. / RuggedCom / Bow Networks; Subnet Solutions; Sunrise-Power Tech Group; Schneider; Survalent; Telvent; Toshiba

Product descriptions and key contacts are provided, as well as reported 2015 and 2016 revenues where available.

Ordering

To order the Newton-Evans report, "Worldwide Market for Substation Automation & Integration in Electric Utilities: 2017-2020," mail this order form to the address below or fax it to +1 410 750 7429. Email info@newton-evans.com or call +1 410 465 7316

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- Volume 2: International Market - \$2,500
- Volume 3: Market Outlook - \$2,500
- Volume 4: Supplier Profiles - \$750

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