



S&C ELECTRIC COMPANY

Thomas J. Tobin
Chief Technology Officer
S&C Electric Company



Tom Tobin is the Chief Technology Officer, for S&C Electric Company, a major manufacturer of high-power and high-voltage switching, protection and control systems for utilities and large power users. Tom oversees S&C's development program ensuring the flow of innovative new products and services, the identification and adoption of new technologies, and the creation of efficient and effective product development practices and processes. In addition, he oversees the Advanced Technology Center, a world-class testing laboratory that includes two 850-megawatt electrical short-circuit test generators that can test up to 100 kA and up to 230,000 volts. Prior to his present role, Tom was Vice President of R&D, responsible for major new product development projects, supporting five operating divisions. These products span the range of circuit switchers rated up to 230 kV and 25 kA interrupting rating to whole-facility uninterruptible power supplies (UPS) rated up to 20 MVA. Included among the breakthrough developments Tom led are the R&D 100 Award winning IntelliRupter PulseCloser.

Tom graduated from Rensselaer Polytechnic Institute with Bachelors and Masters Degrees in Electric Power Engineering. His career has spanned 42 years with S&C Electric Company in various roles including product development engineer, Director of engineering for all of S&C products, Vice President – R&D, and Chief Technology Officer. Tom's expertise lies in the design, testing, and application of switching devices and controls for large electric power systems.

Tom is a Fellow of the IEEE and a member of various IEEE standards development committees in the area of switchgear, and is active in international standards development through the IEC where he is the U.S. Technical Advisor to Technical Committee 17—Switchgear and Controlgear. Tom has also participated in several CIGRE Committees (International Council on Large Electric Systems), providing analysis and guidance for future standards writing. Tom serves on the Management Board of NEETRAC and is a committee member of The National Institute of Standards and Technology (NIST) Smart Grid Federal Advisory Committee. He holds 28 US patents and several international patents related to high voltage switches, fuses, or circuit interrupters, and is a Registered Professional Engineer in Illinois.

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