

Product Evolution and Packaging Development:
The Altimus Residential Meter

John Voisine, Engineering Manager, Landis+Gyr

Abstract

Residential meters have undergone significant evolution. The electric metering industry has seen major changes in the commercial, industrial market since 1985 as it transitioned from all rotating disk mechanical products to now all electronic firmware based products. As the design requirements have become more complex the product has grown modular. In addition modularity serves several purposes including reliability, upgradeability, ease of servicing, and manufacture. Solid state meters replaced mechanical technology in the late 1980's. In 2002 approximately 1/5th of the residential meters were solid state.

Biography

John Voisine obtained a BSEE degree from Michigan Technology University in 1975. John worked for the Magnetic Materials Research group at ARMCO Steel in Middletown Ohio until 1985 when he came to work for Landis & Gyr. John is presently the Engineering Manager for Landis+Gyr.

Landis+Gyr is a manufacturer of electric meters for the electric utility industry. John has been closely involved in the transition in the electric metering industry, with rolls in product development, field applications, project management, and industry standards development.

John has given several presentations on electric metering at industry trade shows, and has been a guest lecturer at Purdue University in the Electrical Engineering Technology and Mechanical Engineering Departments. John presently holds 17 patents.

This lecture is also for ME553, Product and Process Design, Professor Karthik Ramani.

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