

Optimizing Energy Efficiency



Richard A. Angerame

In today's difficult economic climate, when financial savings are critical to every company, building owners demand even more from their energy systems while looking to spend less. This makes for a great business environment for utiliVisor. For more than 30 years, the company has provided its customers with accurate, reliable solutions that boost efficiency and lower energy consumption.

utiliVisor services more than 450 facilities nationwide and oversees more than 57,000 service data points, more than any other service provider in the United States. It is also the largest submetering company in the Tri-State area and an approved Meter Data Service Provider (MDSP) for the State of New York.

The concept behind utiliVisor is the brainchild of Richard A. Angerame. A graduate of SUNY Maritime College, Angerame spent his early professional life as an HVAC engineer. In 1978, he started his first company with the goal of designing and installing chiller control systems — and ultimately expanded into developing utility programs and metering. Angerame holds several patents in chiller controls and remote monitoring utilizing the web and has authored technical papers on chiller plant performance, energy efficiency and utility submetering.

Angerame conceived the need for utiliVisor after years of hands-on experience with inefficiently operating large central chilled water plants, building automation systems and submetering systems. To address the chronic issues he found in the field, he, together with his Chief Technical Officer, David Harroun, created a unique tool for the analysis of large chiller plants and district cooling systems — the utiliVisor software suite. The system is a web-based, networked solution, built on open standards, that works in real time and defined timeframe increments to collect and format data, monitor operations and equipment errors, and deliver real-time oversight via web-based alerts and alarms. Based on the data it provides, operators are able to track performance and remedy any malfunction.

The biggest selling point for utiliVisor is the fact that it can be integrated into any building automation system. "There are many solutions on the market that try to optimize components of a building automation system," observes Angerame. "But only utiliVisor uses existing building automation and power measurement systems to optimize the complete energy plant."

The versatility and effectiveness of the utiliVisor system has enabled the company to establish a large client base in the Tri-State region, encompassing such major real estate companies as Hartz Mountain Industries, SJP Properties, Brookfield Properties, Jones Lang LaSalle and Boston Properties.

Angerame explains how his company is able to achieve such a successful intervention: "First we assess and understand the design and efficiency of the central plant, paying particular attention to chiller performance," he points out. "From there, we provide central plant recommendations that form the basis of ongoing energy cost management. And finally, our utiliVisor application measures, presents, and analyzes key facility indicators 24/7/365 and calculates real-time operating costs."

This means technology is only one aspect of the company's service. The other is its advisory capabilities; utiliVisor's professionals combine the application of their software with long-term experience as facility operators. "The expertise we provide to our customers is based on decades of hands-on experience," Angerame says. "We deliver continuous value through dedication to quality, integrity, accuracy and, above all, accountability."

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