From smart meters to rooftop solar and energy storage, innovative technologies have the capacity to disrupt the utilities industry. After remaining reasonably unbolted for the last 100 years, the lattice is in front of embracing new technologies that are sprouting new business models, altering consumer prospects and causing regulatory models to acclimate.

The emerging technology solutions are reinventing the industry—automating and enhancing distribution grids, improving security and compliance efforts, and helping to harness meaningful information to keep costs down. With these advances, the industry can better serve their customers and grow the business. Amidst this technology advances, the aging infrastructures, complex ecosystems, stricter regulations, and higher expectations set a challenging backdrop for energy and utilities. But connected technologies offer powerful opportunities to modernize operations while cutting costs and generating insights. Technology is enabling utilities to embrace new challenges and pursue new opportunities.

In the last few months we have looked at hundreds of solution providers who primarily serve the utilities sector, and shortlisted the ones that are at the forefront of tackling challenges faced by the industry.

In our selection we have looked at vendor’s capability to fulfill the needs of utilities sector—both from a provider and consumer perspective—through variety of services that support core business processes, including innovation areas related to cloud, Saas, Big Data and analytics.

We present you to CIOReview’s 50 Most Promising Utilities Technology Solutions Providers 2014.

Company: Trilliant

Description: Helps energy providers empower consumers and improve energy efficiency, reliability, and integrate renewable and distributed energy resources.

Key Person: Andy White, Chairman & CEO Ryan Gerbrandt, Senior Vice President, Customer Services Sonita Lontoh, Head of Corporate Marketing

Website: www.trilliantinc.com

“IT’s estimated that the smart grids in the U.S. alone can achieve energy efficiency savings between 60-200 billion kilowatt hours, reducing between 100-200 million tons of CO2-equivalent emissions,” said a study by Electric Power Research Institute (EPRI). “That is roughly equivalent to taking 1-2 million cars off the road for a year,” says Andy White, Chairman and CEO, Trilliant. “Trilliant is truly a global company, with a diverse set of customers and presence in North America, Europe, Asia and Latin America. “A key component of our internal strategy is to maintain a high level of knowledge sharing through collaborations,” adds White. He says, “It’s about collaborating on lessons learned and best practices, with the goal of continuing to deliver excellence to our customers.”

Trilliant has helped leading utilities and energy retailers globally, who collectively serve more than 85 million customers, deliver the benefits of smart grids to their customers, their operations, and their societies and the environment. Some of Trilliant’s leading utility customers include Iberdrola USA’s Central Maine Power in the UK, Hydro One Networks in Canada and many more.

Trilliant continues to strengthen its platform with enhancements that will increase its capabilities to deliver benefits for its utility customers. “We also continue to strengthen our relationships with a broad ecosystem of platform’s partners to provide utilities with the most flexibility and options to choose the best-of-breed application they need to achieve their smart grid objectives, today and in the future,” says White.