

# Southern California Edison: On a Path to a More Sustainable and Reliable Energy Future

Southern California Edison, the primary electric utility company for much of Southern California exemplifies the challenges utilities face, including rising demand for electric power, changing dynamics of distribution systems, and a fundamental change in the nature of how energy is provided due to integration with distributed energy resources (DER). To address these industry issues, Intel helped form the Virtualization of Protection Automation and Control (vPAC) Alliance, a strategic partnership of industry leaders, working to drive substation digitalization. By developing a standards-based, open, flexible, scalable, adaptable, remotely manageable, cyber-secure, and interoperable software-defined architecture.

“Our main motivations are to improve the amount of sustainable energy we deliver to our customers and to prepare the grid to meet California’s decarbonization goals. To do this, we must fundamentally change how our grids are planned, implemented, and operated.”

**Farzad Khalipour, Senior Engineer, Southern California Edison**

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