RÉSUMÉ

KEITH RITTER P.E.
Principal, Mechanical Engineering

Keith Ritter has specialized in building related mechanical-systems design since 1978. Keith is a full member of the American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE), the American Society of Plumbing Engineers (ASPE), and the National Society of Professional Engineers (NSPE). He received a B.S. degree in mechanical engineering from San Jose State University in 1975 and his professional registration in 1979.

After graduation, he worked from 1975-1978 at Paco Pumps, a west coast pump manufacturer, providing engineering service support to manufacturing and marketing, advancing to engineering services manager.

He was employed by Winzler and Kelly Engineers in from 1978-1982 and by SHN Engineers in Eureka and Redding from 1987-1988, working on commercial and industrial mechanical building systems throughout the northwest, including the largest commercial solar heating system north of the San Francisco Bay Area.

From 1982-1987, he owned Homestead Engineering, a renewable-energy engineering business that designed and installed solar hot water, photovoltaic, and hydroclectric systems for residential applications. Systems he engineered were installed throughout North America.

In 1988, he co-founded M/E Systems Engineering and has been principal in charge of all mechanical engineering activities of the firm. With M/E Systems, he has engineered over 500 HVAC and plumbing systems for schools, hospitals, commercial offices, governmental agencies, multi-family facilities, and industrial operations throughout California. In 1997, he engineered an innovative cooling system that used irrigation water to air condition a local high school campus. This design was awarded 1st place in ASHRAE's Region 10 (California, Nevada, Arizona) Technology Award competition. He has pioneered the application of other state-of-the-art HVAC system concepts in the North State, including geothermal heating systems, cool thermal-storage systems, heat recovery, and ground-coupled heat pump systems.