

# Harold L. Ball, P.E.

**Harold (Hal) Ball**, President of Orenco Systems® Inc., earned bachelor's and master's degrees in engineering from the University of California at Berkeley and Davis, respectively. He is registered as a professional engineer in California and Oregon and has more than fifty years of civil engineering experience, both in public works and private practice.

Hal was head of the engineering department at Umpqua Community College in Roseburg, Oregon, for nineteen years. In the mid-1970's, he began researching innovative and alternative wastewater disposal systems. Subsequently, Hal designed the first experimental intermittent and recirculating sand filters built in Oregon and helped to write the Oregon Department of Environmental Quality's rules for onsite wastewater systems.

In 1981, Hal became an owner of Orenco Systems, a company that designs and manufactures carefully engineered equipment for onsite wastewater systems and decentralized effluent collection systems. He also helped to found the onsite industry's national organization, currently known as NOWRA (National Onsite Wastewater Recycling Association), and served on NOWRA's board of directors during the early years of the organization.

Serving as President, Hal has guided the company's steady growth over the past three decades. Orenco is now one of Douglas County, Oregon's largest companies, with more than 300 employees and annual sales approaching \$50 million.