

Guy Wilkins Jr. PE

Mechanical Engineer

Education

B.S. Mechanical Engineering
University of Texas, 1949

Professional Registration & Affiliations

Professional Engineer - Utah
Honors – Tau Beta Pi, Pi Tau Sigma

Qualifications & Experience

Guy has over forty years experience as a mechanical engineer involved in the design and operation of steam and electrical generating plants, all phases of the solar salt industry, management, design, construction and operation of solar salt plants, refineries, mines and evaporating plants.

His experience includes theoretical, design and practical operating knowledge and experience with the production of solar salt from sea water, underground brine and by product salt from strip mining shallow rock salt deposits. Developed fundamental equations for the design of solar salt plants, now in computer programs and wrote the only definitive book in the world on the design, construction and operation of solar salt plants.

Guy has personally directed the design, construction and operation of the second largest solar salt plant in the world. He designed and built ponds in many different types of solids and under very adverse conditions.

As manager of a solar salt production facility, he designed and built a plant in Australia and provided salt expertise and local engineering guidance in the construction of the first solar salt refinery in India. He has also provided solar salt consulting services in Africa, Asia, South America and the United States and has done conceptual design for several small harvesting machines to be operated on mud bottom ponds.