

DONALD R. WULFINGHOFF

Donald Wulfinghoff is a founder of modern energy conservation. He did much of the fundamental research, originated professional education in the field, and was among the first to offer professional services for the design of efficient new buildings and the improvement of existing facilities. He was introduced on C-Span by Congressman Roscoe Bartlett as “the world’s expert in energy efficiency in buildings.”

Wulfinghoff is the author of two revolutionary books. His *Energy Efficiency Manual*, first published in 2000, defined and organized the entire field of energy conservation for buildings and industrial facilities. His *Super House*, published in 2015, made it possible for anyone, regardless of background, to design a home that is super-efficient, totally comfortable, free of health and safety hazards, and durable for centuries.



In 1973, Wulfinghoff joined Booz, Allen & Hamilton, Inc. as one of its first group of researchers and consultants in the fields of energy conservation, energy technology, and renewable resources. He helped to guide early U.S. government policy in energy.

In 1976, Wulfinghoff assumed leadership of the energy consulting practice of Hittman Associates, taking it to the forefront of energy research. There, he established one of the first groups to incorporate energy efficiency in the design of buildings and industrial plants.

Also in 1976, Wulfinghoff began long service with the energy committees of the American Society of Heating, Refrigeration, and Air Conditioning Engineers (ASHRAE), which became the world’s prime source of engineering guidance in energy efficiency. He collected data and did analysis for the first large-scale survey of how buildings use energy. He authored *Managing Your Energy*, the tutorial for top managers that introduced the concept of profit center management of energy costs. He contributed the original Energy Management chapter of the *ASHRAE Handbook*. He was an organizer and judge of the ASHRAE Energy Awards design competition, the leading efficiency design competition in the United States. He was active in the promotion of ASHRAE Standard 90, which serves as the national energy conservation standard for the United States. After the attack on the World Trade Center in September 2001, he initiated a program to protect buildings against biological and chemical terrorism.

In 1977, at the George Washington University, he taught the first professional courses on energy conservation. Over the succeeding years, his courses, seminars, and lectures have been attended by thousands from around the world. He has been heard frequently in the media. His many papers and articles on energy efficiency typically emphasize achieving success in the face of practical obstacles.

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In 1978, he founded Wulfinghoff Energy Services, Inc. to establish a higher standard for efficient design and operation of buildings and plants. He remains active as its president. The firm has served organizations ranging from the White House to heavy industrial plants, from small schools to the most complex hospitals. It provides consultation, research, and training in areas of technology and management.

In 2005, Wulfinghoff joined with Congressman Roscoe Bartlett and leading energy supply experts to explain the depletion of fossil fuels and its implications for the future of civilization. In response to a request to Congressman Bartlett from President George W. Bush, he created an energy efficiency plan to survive the decline of energy resources during the 21st century.

Wulfinghoff is a Professional Engineer in mechanical and electrical engineering. He is a licensed First Grade Stationary Engineer. He is a Certified Automobile Mechanic in all specialties. He holds a First Class commercial broadcast license. He was trained in arbitration by the American Arbitration Association. He has served as arbitrator and expert witness in cases involving energy technology, buildings, automotive issues, and shipbuilding.

He received a B.S. in physics from the University of Louisville in 1961 and an M.S. in physics from the University of Florida in 1968, where he completed the core program for the doctorate in physics and electrical engineering. Wulfinghoff served in the U.S. Navy as an engineering officer aboard several ships, and as a project officer in a development unit.

His main hobby is building things in better ways. He built the house in which he lives as a test bed for several high-efficiency concepts. He builds and flies experimental aircraft.

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