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REGISTERED



# Alternate Energy Systems, Inc.

A Corporation devoted to Your Energy Needs

COMPANY PROFILE

Vaporizers, Mixers/Blenders,  
Vaporizer-Mixer Combinations, and  
related Systems and Components  
for Propane, Butane and other LPG,  
for Industrial, Commercial, and  
Utility Applications.



"We are committed to offering our customers the best product design, combined with quality workmanship, at a competitive price, to their full satisfaction, and be at all times the vendor of their choice."

Wolfgang H. Driftmeier, President

## HISTORY

From the beginning in 1974, Alternate Energy Systems (AES) has put emphasis on excellent and innovative product design and quality workmanship. The founder of the company, John E. Hallberg, had spent many years designing products for other manufacturers in the industry, before he set out to design and manufacture a product line that represented "... the combination of the best ideas from over 20 years of experience ...". The result were products which were truly superior to those of his competitors, giving AES very quickly the reputation to be the innovative manufacturer of quality products. Soon, the customer list included a representative cross section of the Fortune 500 companies in the U.S.

Through the years, AES has constantly added new products and has further improved the design of existing products, keeping us ahead of the competition. Several designs, including those of LPG/Air mixing systems, were awarded national and international patents.

## CUSTOMERS

Over the course of the past 35 years, AES products have been installed in countries all around the world, from the extreme cold climates of the Arctic, to desert Middle East countries with extreme warm climates and extreme day/night temperature swings. In the early 1990s, AES began exporting product to the Far East, mainly to China, where it is used by utility companies as primary fuel source in their effort to replace environmentally critical fuel sources with clean burning natural gas. Where natural gas pipelines do not, or not yet, reach a city, LPG/air gas, generated with AES' superior POM blending system, is used.



National and international Patents recognize the innovative nature of Alternate Energy Systems' products.

AES Baseload System. Recognize the tall building in the background?



## APPROVALS

AES products are designed and manufactured to applicable U.S. and international standards, rules and regulations, including NFPA 58, ASME Boiler and Pressure Vessel Code, European CE, etc. Essentially all our products are Factory Mutual (FM) approved and listed with American Gas Association (AGA) Canadian Standards Association (CSA), and Canadian Gas Association (AGA).



They can also be built for Industrial Risk Insurers (IRI) installations.



The AES manufacturing operation is ASME (American Society of Mechanical Engineers) approved and authorized to apply "S", "U", and "R" stamps, and is also



authorized to register products with the National Board of Boiler and Pressure Vessel Inspectors. The ASME approval also includes

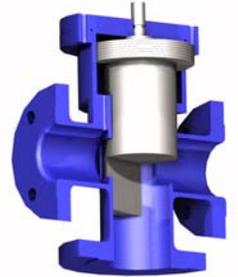


approval of the AES Quality System, which is also registered under

**ISO9001:2008.**

## BUSINESS SYSTEMS

At AES, new products and enhancements to existing products, are designed using 3-D (solid modeling) CAD software, allowing to "see" all components interacting with each other, before the first prototype is ever built. This includes moving parts like the piston of the POM in the body of the blending valve.



Customer orders are processed using a networked computer



system, which also provides inventory control, work order processing, Bill of Materials, and all financial functions.

AES has had an Internet presence since 1997. Our web site at [www.altenergy.com](http://www.altenergy.com) has often been named one of the most informative sites in the industry. Everybody at AES, including shop personnel, has high speed access to the internet and to e-mail.



## THE FUTURE

In December of 1998, the founder of AES, John E. Hallberg, retired, and the ownership of AES changed to Wolfgang Driftmeier. With his strong manufacturing background and his experience in sales and marketing, the company focus is clearly on " ... offering our customers the best product design, combined with quality workmanship, at a competitive price, to their full satisfaction, and be at all times the vendor of their choice ...". Key personnel stayed on after the sale, and additional personnel was hired to further strengthen customer service, engineering, and manufacturing.

Since then, new products were introduced, existing product has been improved, and sales and marketing efforts have been increased. New customers in the United States and in foreign countries have been added, and several large-scale projects have been completed, some of them as prestigious as the gas supply system for Palm Jumeirah in Dubai. Manufacturing capacity has been increased accordingly, and offices and manufacturing area have been updated to be ready for further planned growth.

## THE CUSTOMERS

The list below represents a very small fraction of domestic and international AES customers. New names are added every day. If you are interested in a particular reference, please contact our office.

3M COMPANY	HOLSUM BAKERY CO.
AIRSTREAM CORPORATION	HON CORPORATION
ALCAN CABLE	HONDA CORPORATION
ALVAC	HOSTESS CAKE COMPANY
AMANA CORPORATION	IBM CORPORATION
AMERICAN BRIDGE CO.	INTERNATIONAL PAPER CO.
AMERICAN OIL CORP.	ITT CONTINENTAL BAKERY
AMERICAN STANDARD CO.	ITT CORPORATION
ANCHOR HOCKING CORP.	JAMES RIVER COMPANY
A T & T TECHNOLOGY	JOHN DEERE TRACTOR
BENDIX CORPORATION	JOHNS-MANVILLE CORP.
BITTER CREEK PIPELINES	KEY ON ENTERPRISES LTD.
BLACK & DECKER CO.	KRESGE, S.S. COMPANY
BOISE CASCADE CO.	KROGER BAKERY
BROWN STOVE WORKS	LAND O'LAKES COMPANY
CALSONIC CORPORATION	LEVI STRAUS INC.
CARGIL	LIBBY-OWENS FORD
CASCADE CORPORATION	LOCKHEED MARTIN
CERRO METAL PRODUCTS	LOGAN ALUMINUM
CHAMPION PAPER CO.	LOOTAH BC GAS
CHRYSLER CORPORATION	MICHELIN TIRE COMPANY
CLARK EQUIPMENT CO.	MOHAWK INDUSTRIES
COCA COLA BOTTLING	MONSANTO CORPORATION
COLONIAL BAKING CO.	NATIONAL GAS COMPANY
CONTINENTAL BAKING CO.	NAN MOU OIL MACHINERY
CORNING FIBERGLAS	NESTLÉ
DEL MONTE CORPORATION	OAPIL
DUPONT, INC.	OSCAR MEYER COMPANY
ELECTROLUX CORP.	PARKER-HANNIFIN CO.
ENTES COMPANY INC.	PAZ OIL CO.
ESPAGAS	PEPPERIDGE FARMS INC.
EXXON (ESSO) LP-GAS	PEPSI COLA COMPANY
EXXON (ESSO) CORPORATION	PET FOODS, INC.
FASSON (AVERY LABELS)	PPG INDUSTRIES
FIAT ARGENTINA	RALSTON PURINA CORP.
FORD MOTOR COMPANY	REVERE COPPER & BRASS
FRUEHAUF CORPORATION	RITZ CARLTON HOTEL
FRITO LAY, INC.	ROCKWELL INT'L
GAS SUR CHILE	ROPER INDUSTRIES
GENERAL MOT. ARGENTINA	SCANA PROPANE
GENERAL MOTORS USA	SCIENTIFIC ATLANTA
GEORGIA PACIFIC CORP.	SHARP ENERGY
GEORGIA TECHNICAL	SHAW INDUSTRIES
INSTITUTE	SHELL CHEMICAL CO.
GAF CORPORATION	SHERWIN WILLIAMS CO.
GENERAL DYNAMICS INC.	SIEMENS
GENERAL ELECTRIC CO.	SQUARE D PRODUCTS
GENERAL MOTORS CO.	TECUMSEH PRODUCTS
GENERAL TIRE COMPANY	U. S. AIR FORCE
GLIDDEN DURKEE CO.	U. S. ARMY
GOLD KIST HATCHERY	U. S. NAVY
GOODRICH, B.F. COMPANY	UGI ENERGY
GOODYEAR TIRE COMPANY	UNION CARBIDE CORP.
GREAT DANE TRAILER CO.	UNIROYAL INC.
GUARDIAN BRAZIL	U.S. CORPS OF ENGINEERS
GUARDIAN U.A.E.	VAW OF AMERICA
GUARDIAN INDIA	VOLKSWAGEN INDIA
GULF OIL CORPORATION	VOLKSWAGEN MEXICO
HEIL QUAKER COMPANY	WESTINGHOUSE COMPANY
HOLIDAY INN	WHIRLPOOL CORP.