

OUR VISION

"Alcoa is a growing worldwide company dedicated to excellence through quality - creating value for customers, employees and shareholders through innovative technology and operating expertise. Alcoa will be the best aluminum company in the world, and a leader in other businesses in which we choose to compete." Alcoa's values begin with integrity, respect for our people, their safety and health, and for the environment within which we live and work.

WHO IS EASTALCO?

Eastalco joined the Alcoa family at the completion of the merger with Alumax on July 31, 1998. This created a joint venture between Alcoa and a Japanese consortium of Mitsui & Co., Ltd. and Y.K.K. Corporation. Eastalco has been producing primary aluminum continuously for over 30 years.



Eastalco is located on part of Carrollton Manor, a tract originally deeded to the Carroll family by King Charles. The summer home of Charles Carroll, a signer of the Declaration of Independence, is preserved by Eastalco as a monument to Frederick County's 18th Century roots.

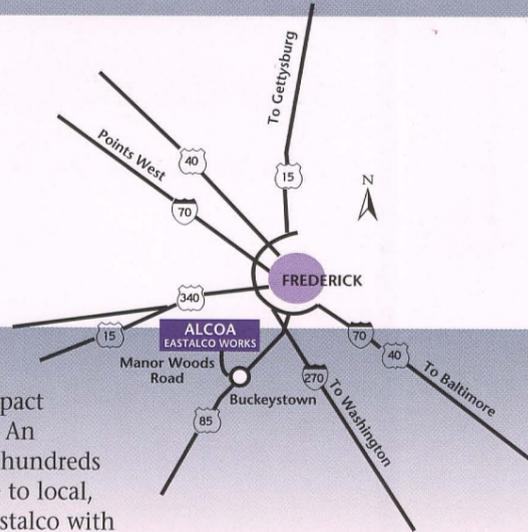
Eastalco has become one of the more efficient aluminum reduction plants in the world by combining a skilled workforce with an innovative approach to technology and a strong environmental policy. The company is continually upgrading its aluminum reduction technology to keep pace with the world's competitive marketplace.

ALUMINUM IS ESSENTIAL

Aluminum is light, strong, corrosion resistant, electrically conductive, abundant and recyclable. It is one of the most versatile materials in modern industry. Aluminum is a main structural component of buildings, airplanes and cars. From soup cans to potato chip bags, aluminum is also one of the most efficient food packaging materials available.

IN FREDERICK COUNTY, MARYLAND

Eastalco occupies 400 acres of a 2,200 acre parcel in Frederick County, Maryland. This location is close to both Washington, D.C. and Baltimore, each approximately 45 miles away.

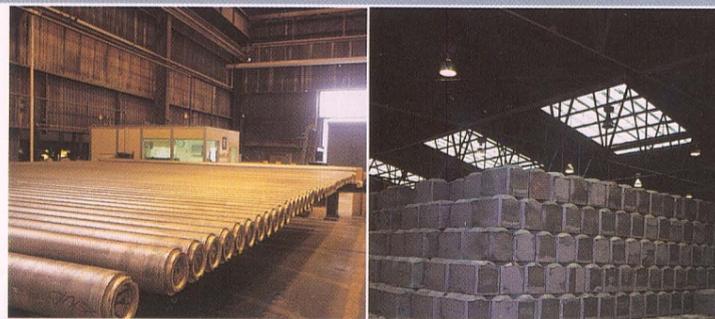


ECONOMIC IMPACT

Alcoa Eastalco Works has a profound impact on Frederick County, Maryland's economy. An initial \$360 million investment has created hundreds of jobs, while providing additional revenue to local, state and national suppliers that furnish Eastalco with goods and services. Eastalco currently provides more than \$300 million annually to local and state economies in electric power consumption, wages, fringe benefits, freight payments, purchased materials, supplies and services, as well as state and local taxes.

Right: Finished billets.

Far right: Carbon blocks are stacked and stored for use in the manufacturing process.



QUALITY ASSURANCE

To assure quality and consistency of aluminum products, Eastalco Works is registered under ISO 9002:1994 quality system and the laboratory is A2LA accredited in environment and chemical testing. Precise monitoring and testing methods are used in each step of the reduction and production processes. Eastalco employees are trained in the latest technologies and safety procedures. Sensitive equipment shows any variance in the reduction process. If there are deviations, measures are taken to restore normal operations. An integrated information system allows employees to process data from all plant operations, and statistical process-control techniques maximize product quality and plant efficiency.



THE ALCOA PRODUCTION SYSTEM

The manufacturing component of the Alcoa Business System is the Alcoa Production System, an integrated approach to value creation. Its basic premises are:

- To produce for use, not for inventory;
- To eliminate waste;
- To recognize that people are the linchpin of the system.

The Alcoa Production System operates on a "pull" system - producing what the customer wants when it is wanted — rather than a "push" to churn out maximum volume. For the customer, this is a way of adding value without adding cost, thus helping make Alcoa the supplier of choice.

EASTALCO CASTS ALUMINUM INTO THREE SHAPES:

- **EXTRUSION INGOT OR BILLET** is used for structural materials such as architectural, transportation and industrial machinery and equipment.
- **ROLLING INGOT OR SLAB** is used for structural materials such as window frames and automobile parts.
- **REMELT INGOT OR T-INGOT** is remelted and cast into a variety of shapes.

ENVIRONMENTAL PROTECTION

Keeping the air and water clean and preserving the land for future generations is a responsibility we take to heart. Eastalco Works is registered under ISO 14001:1996 Environmental Management System. With a tremendous investment in environmental technology, Eastalco has maintained the latest scientific methods and installed equipment that provides the most effective pollution control systems.

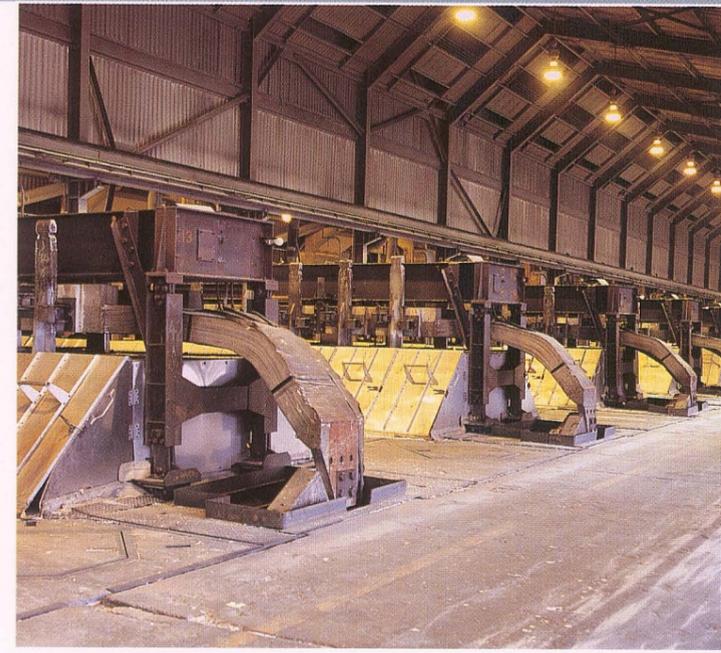
Eastalco's air emission control systems reduce pollutant emissions by more than 95%. Each reduction cell is sealed with hoods and gases are drawn from the enclosed cells to nearby baghouses. In one minute, 1,440,000 cubic feet of air passes through four baghouses where process pollutants are absorbed, filtered and recycled.

Operating an aluminum reduction plant requires large quantities of water. Eastalco pumps nearly one million gallons of water from the Potomac River daily. Water is thoroughly filtered and cleaned before and after it is used at the plant. Discharges to the surrounding environment are strictly controlled by Maryland's Department of the Environment.

Eastalco is a partner in several U.S. Environmental Protection Agency programs including the Voluntary Aluminum Industrial Partnership and Green Lights.



Below: The potlines, where the reduction process transforms alumina to aluminum.
Bottom: Molten aluminum is siphoned from a reduction pot in preparation for casting.



Left: Spent anodes after the cell reduction process.

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