



Cambridge International

105 Goodwill Road
Cambridge MD 21613
410.228.3007 x 1043

www.cambridge-intl.com
www.cambridgearchitectural.com
www.cambridgeenvirotech.com

Manufacturing
Member since August 2011

MANAGEMENT AND LEADERSHIP

Environmental Policy Statement

Cambridge International is situated in the heart of the world's largest estuary, the Chesapeake Bay. The bountiful rewards we receive from our back yards include abundant plant life, animal life, birds, fish, and shellfish that don't occur in such abundance anywhere else on the planet.

As a manufacturing plant, fortunate enough to be situated in such an area, we all have a responsibility to maintain this fragile ecosystem. To ensure this environment is protected for all to enjoy, Cambridge International follows several guidelines to guarantee its safety.

We are committed to monitoring our usage of goods, waste and energy while working towards sustainable goals to reduce our carbon footprint.

Environmental Team

The Cambridge Environmental team is composed of Heather Hillert, Director of Human Resources, responsible for employee environmental education, Tom Costello, Director of Operational Excellence, responsible for environmental facilities management and regulations, Paul Maloney, Supply Chain Director, responsible for purchasing of metals and raw materials, Dion Banks, Director of Governmental Affairs, responsible for regulations and policy and our two on-site LEED APs: Heather Collins and Mike Moorhouse.

The team meets bi-annually to review the company's environmental policy and goals, develop operating procedures for meeting goals, assess implementation of procedures, measure progress towards environmental goals, develop new activities

and programs to meet goals, create environmental awareness programs and employee educational activities.

☒ **Annual Environmental Goals**

By 2015, Cambridge International will:

- *Reduce energy consumption by 20 percent*
- *Produce 10 percent of energy required from renewable source*

☒ **Environmentally Preferable Products and Services**

Cambridge International offers products and services to biomass and coal-fired power plants, including an emissions control system, and Eco-Remedy biomass gasification system as a combined effort with Enginuity Energy LLC.

The EcoRemedy system, a patented technology, gasifies highly variable moisture fuels with high ash and low energy content, such as composted dairy manure, processing sludge, spoiled feed, molded corn, peanut hulls, rice hulls, sawdust, fescue hulls, and poultry litter. Typically, operators dispose of poultry litter to fertilize fields, which can seep into waterways causing contamination.

The conveyORIZED EcoRemedy system addresses the varied density and moisture content issues, resulting in uniform gasification. Furthermore, the EcoRemedy system recovers the highly valuable nutrients from the resulting ash for sale to the fertilizer industry. The Delmarva Peninsula of Maryland produces over 700,000 tons of poultry manure annually, which the EcoRemedy system can safely and economically convert into heat or electricity.

Cambridge International has also developed and now manufactures the Emissions Control System (ECS), a patent pending electrostatic precipitator (ESP) system, reduces the emission of particle pollution in the air by filtering toxic flue gas before entering the environment. Toxic flue gases include sulfur, iron, cadmium, and zinc oxides.

Conventional ESPs cannot capture particles under 2.5 microns in diameter and suffer from re-entrainment issues, particles dislodging and releasing into the atmosphere. Recent test results show that Cambridge International's emissions control system removes 98 percent of pollutant particles from the atmosphere and is much more effective than current bag house technology. This technology

can be used by other industries and we believe is a solution to the issues industries are facing with new EPA Boiler MACT regulations.

WASTE

Recycling

Metals, wood, oil, paper, and florescent bulbs are collected from all of the facilities and stored in appropriate containers and holding tanks. Once enough waste material is collected, appropriate vendors remove the material for recycling and/or reclamation.

ENERGY

Energy Efficiency

During 2010 and 2011, Cambridge International has undertaken extensive renovations of its Cambridge MD manufacturing facilities to improve production and reduce energy consumption. These renovations include more energy efficient lighting; energy efficient windows, insulation, efficient HVAC, and mesh for solar shading. These improvements are estimated to provide 1,849,950 kWh in energy use reduction and provide \$192,545 in annual cost savings.

TRANSPORTATION

Employee Commute

Cambridge International encourages and promotes an employee ride share program. The Human Resources Department is responsible for helping employees make connections with other employees.

WATER

Water Conservation

As part of Cambridge International's 2011 extensive plant renovations, xeriscaping was used to minimize the need for watering landscape. Low flow toilets, urinals and faucets were also installed.

Stormwater Management and Site Design

Waste wash water used in the manufacturing process is captured and pumped for storage in two poly tanks and pre-soak water is left in the pre-soak tank until ready for disposal. Once the tanks are full, an approved vendor is contacted to pump out and transfer the waste water off-site for reclamation/recycling.

OTHER



- *Cambridge International's architectural mesh products can aide in the LEED certification process*
- *Cambridge International (Dion Banks) participated on Governor O'Malley's Green Jobs and Industry Task Force.*
- *Enrolled in Maryland Save Energy Now Program*