

## MARKETS

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Education

Government

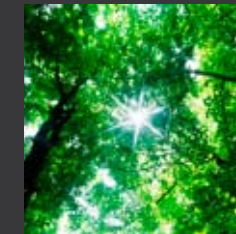
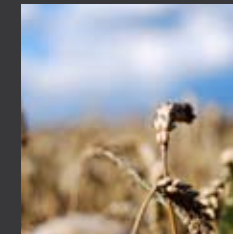
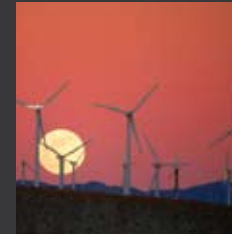
Healthcare

Industrial

Transportation

Utilities

## ECO-MANAGEMENT



Boston Cedar Rapids Chicago Fargo Dallas Houston Minneapolis-St. Paul  
Rochester Washington D.C. West Palm Beach

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Strategic management of business risk through sustainability and environmental compliance services.

## PROFILE

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Many organizations are seeing performance benefits from a move toward sustainable operations. Sustainability is about taking the beginning steps toward a more secure future by creating successes that build momentum. It focuses on reducing energy, waste disposal costs, and the environmental burden from your operation — all moves that provide economic and environmental benefits.

Organizations are learning that developing a proactive management strategy for dealing with environmental compliance challenges can be far more effective and less costly than operating in a reactive mode.

Our eco-management services guide our clients through development and implementation of strategic approaches to managing sustainability and compliance challenges. Our teams help measure and define the challenges, develop and implement strategic solutions, monitor and communicate progress, and establish continual improvement to reduce business and environmental risk.

# Improving the Bottom Line

Custom strategies that fit your needs

## SUSTAINABILITY

Leaders are increasingly finding opportunities to improve the economic, social, and environmental vitality of their operations. Our team of sustainability experts can assist with identifying, planning, and implementing both proven and innovative strategies to improve operational efficiency, reduce operating costs, lessen environmental impact, and enhance public reputation. From corporate-level policy and reporting needs, to floor-level engineered solutions, our experienced team brings knowledge of best practices and cutting-edge developments to each engagement.

SUSTAINABILITY ASSESSMENTS  
GREENHOUSE GAS MANAGEMENT  
MASTER PLANNING  
ENERGY EFFICIENCY  
LEED® CERTIFICATION SERVICES

RENEWABLE ENERGY DEVELOPMENT  
ENVIRONMENTAL MARKETS  
ENERGY MODELING  
WASTE CHARACTERIZATION  
WASTE-TO-ENERGY

## COMPLIANCE

Where environmental impacts cannot be avoided, the ever-increasing maze of regulations poses significant challenges, and creates economic risk for your operations. Reactionary compliance is expensive and inefficient. Our experts help craft the long-term view of regulatory compliance, creating strategies that meet today's needs, and also leave room for future growth.

AIR QUALITY PERMITTING  
DISPERSION MODELING  
GHG ACCOUNTING  
WASTE MANAGEMENT PLANS  
EMISSION INVENTORIES

LIFE CYCLE ANALYSIS  
AIR POLLUTION CONTROL  
REPORTING (FORM R, GHG)  
DATA MANAGEMENT  
NPDES / STORMWATER PERMITS





#### CORPORATE SUSTAINABILITY PROGRAM AGA Medical

To formalize a sustainability program, AGA Medical asked Sebesta Blomberg to develop a Corporate Sustainability Plan to promote sustainability by recognizing green practices, quantifying impacts, identifying opportunities and establishing goals. A carbon footprint and LEED®-EB Gap Analysis for the Plymouth, MN headquarters facility laid the groundwork for AGA's roadmap to sustainability. Sebesta Blomberg's facilitative process for data collection and technical analysis communicates AGA Medical's current situation, corporate goals and benchmarks, strategies to promote sustainability, and a five year plan to improve corporate sustainability.

#### PSD APPLICABILITY AND PERMITTING Penford Products Co.

Sebesta Blomberg completed a complex Prevention of Significant Deterioration (PSD) applicability determination to support a project that added 50 million gallons of ethanol production to a 100-year-old corn starch plant. Utilizing expertise with the netting rules of the permitting program it was able to be permitted as a modification with minor levels of emission increases, despite significant expansion of overall production at the facility. A permit application package was completed and close coordination with the permitting agency allowed for issuance of the permits in a compressed time frame that allowed construction to start on schedule.



#### CLIMATE ACTION PLAN University of Baltimore

The University of Baltimore retained Sebesta Blomberg to assist with meeting the requirements of the Presidents Climate Commitment; first to calculate their carbon footprint and second to develop a Climate Action Plan to reduce greenhouse gas emissions over time. Sebesta Blomberg, working closely with the University's sustainability committee, facilitated data collection, the process for setting goals and strategies to achieve the goals, and defining a roadmap for implementation of strategies. Sustainability initiatives put forth by Sebesta Blomberg and the University will reduce their carbon footprint by approximately 16 percent.





#### ENERGY CONSERVATION PROGRAM Luther College

In an effort to cut the College's carbon footprint in half through behavioral and technological changes, Luther College turned to Sebesta Blomberg to lend direction towards the new energy conservation initiative. This program promotes the economic, environmental, and sustainable benefits of conservation and encourages participation and ownership by all members of the campus community through new initiatives and technologies.



#### SUSTAINABILITY DATA MANAGEMENT H.J. Heinz

H.J. Heinz rolled out an ambitious sustainability program, with targets set for the reduction of energy consumption, water use, greenhouse gas emissions, landfilled solid waste, fuel, and packaging materials. Sebesta Blomberg assisted H.J. Heinz with the development of an internet-based global data collection and management program, improving their ranking with public sustainability reporting programs and helping them get their sustainability program up and running.



#### COMPLIANCE SERVICES University of Iowa

Sebesta Blomberg has served as a long-term environmental compliance partner for the University. Services provided include development and maintenance of a full campus model encompassing more than 200 emission sources and 100 buildings, completion of construction and operating permit applications, annual emission inventory reports, NPDES permit modifications, development of MACT compliance strategies for the coal-fired power plant, and evaluation of opportunities to opt-in to the CAIR trading program. Sebesta Blomberg also established GHG emission baselines to facilitate their entrance into the Chicago Climate Exchange.



#### LEED PROJECTS Various Clients Nationwide

Sebesta Blomberg has been a leader in the green building movement since its inception. Our staff have assisted with certification of more than 100 buildings, including over 80 New Construction projects, more than 20 Existing Building projects, and a handful of Commercial Interiors and Core and Shell projects. Our team of experienced LEED® professionals serve as instructors, provide assistance to the USGBC, and participate in the review and development of new programs.



#### SUSTAINABILITY PROGRAM SUPPORT Pentagon - Department of Defense

Since 2001, Sebesta Blomberg has worked with the Pentagon Renovation Program to integrate sustainable design into major building projects. Services include sustainable design/LEED® consulting, creation of LEED tools, energy modeling, sustainability policies and programs, review of design and construction submittals, sustainability education and outreach, and recognition of achievement, such as the White House Closing the Circle Award in 2007. Six LEED certifications (2003-2009) have been earned at the Pentagon thus far. Sebesta Blomberg has also provided building commissioning and engineering services since 1999.



#### FORBES FIELD MASTER PLANNING Air National Guard

To meet goals and compliance requirements for energy efficiency and environmental stewardship, Sebesta Blomberg developed an energy master plan in coordination with facility master planning at Forbes Field Air Base. All existing facilities were investigated and analyzed for energy and sustainable design improvements, feasibility of renewable energy generation, and recommendations were delivered to meet federal mandates. Upon completion, Sebesta Blomberg participated in a Master Planning charrette to integrate energy and sustainability strategies into base projects over the next 15 years.



#### SUSTAINABILITY PROGRAM Dallas/Fort Worth International Airport

Since 2001, Sebesta Blomberg has provided commissioning, retrocommissioning and asset management modeling for life cycle operations and maintenance programs. Sebesta Blomberg developed, launched and implemented the DFW Sustainability Program for the integrated asset ownership, management, operations and maintenance departments. With this, the Airport launched the first Net Zero Energy project, which enables a project to give back an equal or greater amount of electrical power than it uses.



#### CARBON FOOTPRINTS Nationwide

Sebesta Blomberg has provided carbon footprinting services to clients across the country. Nearly a dozen footprints have been completed for colleges and universities in line with the Presidents Climate Commitment. Footprints, or greenhouse gas (GHG) inventories, have also been developed for a large national bank with 5,500 properties across the U.S. and a multi-national foods company with more than 70 locations worldwide. In addition, institutions, local governments, and industrial clients have also been served. Our team uses the latest in GHG estimation techniques and works within several of the most widely accepted quantification protocols.