2009 INDUSTRIAL LABORATORY FIELD TRIPS

Have you noticed the wind turbine on Highway 170 at Page Avenue in St. Louis? This is your chance to tour **Alberici Headquarters**. The facility has received a LEED Platinum certification by the U.S. Green Building Council and remains one of the highest rated buildings to date in the rating system's history. Alberici formed Vertegy, a consulting group, to meet their commitment to sustainable projects and the emerging green building market. Alberici has included everything from a rooftop material made of soybeans to motorized windows to allow for natural ventilation. The facility offsets an estimated 20% of its utility costs with on-site renewable energy production from a wind turbine and a passive solar hot water system. You will learn about sustainable sites, water efficiency, energy efficiency, renewable materials and more.
http://www.vertegyconsultants.com

DONALD DANFORTH PLANT SCIENCE CENTER

All human life depends on plants. Given the steady growth of world population and the current use of unsustainable agricultural practices, we face the likelihood of increasing malnutrition, starvation, and the inevitable social unrest that will accompany such scourges. If we are to survive in a peaceful world, we must urgently look to a new revolution, a revolution in plant science. This revolution must logically arise from a deeper understanding of how plants grow and develop, how they resist disease and drought, heat and cold, and what adaptations must be made to decrease the need for chemical fertilizers and pesticides. The mandate of the Donald Danforth Plant Science Center is to lead that revolution. The Danforth Center is an innovative, state-of-the-art building which provides outstanding research and training facilities, as well as a library, a lecture auditorium with video-conferencing capabilities, compartmentalized greenhouses, and environmentally-controlled growth chambers and growth rooms. http://www.danforthcenter.org/ ►***Cameras and cell phones are allowed for taking pictures only. No cell phone talking or text messaging allowed on the tours.***

GENOME SEQUENCING CENTER (Washington Univ. Medical School)

Established in 1993, the Genome Sequencing Center at Washington University in St. Louis School of Medicine is a world leader in genomics research. They played a leadership role in The Human Genome Project and continue to advance the state of the art in genome sequencing and its application to human health. http://genome.wustl.edu/
► ***No open-toed shoes. Large backpacks cannot be brought into the center. No food, drink or gum are allowed in the center.***

Innoventor, Inc. started in 1996 in the basement of Kent Schien, today's CEO, with an idea for a new kind of company. A company that "innovates" for its customers and "invents" for itself. Innoventor is a design/build engineering firm that is diversified in five major industries leveraging cross-industry experience and cutting edge technology to provide innovative solutions for their customers.

Monsanto is an agricultural company. They apply innovation and technology to help farmers around the world produce more while conserving more. They help farmers grow yield sustainably so they can be successful, produce healthier foods, better animal feeds and more fiber, while also reducing agriculture's impact on our environment. **http://www.monsanto.com/**

►***NO CAMERAS ALLOWED. TURN OFF CELL PHONES AND KEEP IN POCKET OR PURSE OR THEY WILL BE COLLECTED AND HELD UNTIL AFTER THE TOUR. COMFORTABLE, CLOSED-TOE SHOES REQUIRED.***

Sigma-Aldrich is a leading Life Science and High Technology company. Their biochemical and organic chemical products and kits are used in scientific and genomic research, biotechnology, pharmaceutical development, the diagnosis of disease and as key components in pharmaceutical and other high technology manufacturing. http://www.sigmaaldrich.com/

►***NO OPEN-TOED SHOES! SHORTS OR SLEEVELESS TOPS ARE ALLOWED. NO PICTURE TAKING ALLOWED INSIDE THE BUILDING.***

Solutia uses its world-class skills in applied chemistry to create solutions for customers whose products are used by consumers every day. They own product lines including: Films for Glass Products (plastic interlayers to strengthen laminated glass and *CPFilms* produces high-performance film products for multiples uses), Technical Specialties Products (aviation hydraulic fluids and heat-transfer fluids). Flexsys that is under Technical Specialties Products plays an important role in the manufacture of rubber and rubber articles. These chemicals help cure and protect the rubber, increase durability and fatigue life, control color and provide heat resistance. They are used for rubber product applications in automobiles, aircraft, as well as in truck tires, belts, hoses and footwear. http://www.solutia.com/

►***NO OPEN-TOED SHOES, SHORT PANTS, OR CAPRI'S ALLOWED IN THE PLANT.***

►***NO CAMERAS OR CELL PHONES ALLOWED.***

The U.S. Army Corps of Engineers' mission on the Mississippi River is sound river management that benefits navigation, recreation, environmental protection and resource management. Each year millions of people travel to the Mississippi River to learn about its history and its impact on our nation. The National Great Rivers Museum at Melvin Price Locks and Dam is dedicated to telling the story of the Mississippi River… from her grand history and cultural significance, to her ecological importance and role as a transportation corridor. http://www.mvs.usace.army.mil/Rivers/museum.html

►***NO BACKPACKS, PURSES OR CELL PHONES CAN BE BROUGHT ONTO LOCK AND DAM STRUCTURE. THE TOUR IS PARTIALLY OUTSIDE SO DRESS FOR COLD WEATHER!***