

2012 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. 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. www.danforthcenter.org **Cameras and cell phones are allowed for taking pictures only. No cell phone talking or text messaging allowed on the tours.**

I**nnoventor, Inc.** is a 15-year-old engineering solutions company that serves customers throughout the U.S. It has grown to over 100 engineers providing solutions in the aerospace/defense, medical/pharmaceutical, transportation, food/beverage and industrial automation industries in the areas of process, production and product development. It innovates for its customers and invents for itself through the development of proprietary technology. With its broad depth of knowledge in many industries, Innoventor can help inventors get their ideas and products to the marketplace. <http://www.innoventor.net/> **NO CAMERAS !!**

L**MI Aerospace, Inc.** is a leading provider of design engineering services, structure components, assemblies and kits to the aerospace, defense and technology industries.  Through its Aerostructures division, LMI manufactures more than 30,000 products for large commercial, corporate, and military aircraft. Through its Engineering services segment, operated by its D3 Technologies, Inc. subsidiary, LMI provides a complete range of design, engineering and program management services, supporting aircraft lifecycles from conceptual design, analysis and certification through production, fleet support and service-life extension. www.lmiaerospace.com **Participants need to wear closed-toe shoes. No short pants or Capri pants are allowed in the plant. Turn off cell phones and keep in pocket or purse or they will be collected and held until after the tour. No cameras allowed.**

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.

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. PARTICIPANTS NEED TO WEAR CLOSED-TOE SHOES.

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.



www.sigmaaldrich.com

PARTICIPANTS NEED TO WEAR CLOSED-TOE SHOES. SHORTS OR SLEEVELESS TOPS ARE ALLOWED. NO PICTURE TAKING ALLOWED INSIDE THE BUILDING.

Solutia is a market-leading performance materials and specialty chemicals company. The company focuses on providing solutions for a better life through a range of products, including: Saflex® polyvinyl butyral interlayers for glass lamination and for photovoltaic module encapsulation and VISTASOLAR® ethylene vinyl acetate films for

photovoltaic module encapsulation; LLumar®, Vista™, EnerLogic™, FormulaOne®, Gila®, V-KOOL®, Hüper Optik®, IQue™, Sun-X™ and Nanolux™ aftermarket performance films for automotive and architectural applications; Flexvue™ advanced film component solutions for solar and electronic technologies; and technical specialties products including Crystex® insoluble sulfur, Santoflex® PPD antidegradants, Therminol® heat transfer fluids and Skydrol® aviation hydraulic fluids. Solutia's businesses are world leaders in each of their market segments. With its headquarters in St. Louis, Missouri, USA, the company operates globally with approximately 3,400 employees in more than 50 worldwide locations. More information is available at www.Solutia.com.

PARTICIPANTS NEED TO WEAR CLOSED-TOE SHOES. NO SHORT PANTS OR CAPRI PANTS 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 PURSES, BACKPACKS, CELL PHONES, OR CAMERAS (EXCEPT DISPOSABLE) ALLOWED ON THE LOCK TOUR. THE TOUR IS PARTIALLY OUTDOORS SO DRESS APPROPRIATELY FOR THE WEATHER!

