

WHO KNEW?*

THOUSANDS OF MINDS, ONE MISSION

Every day, the people of Battelle apply science and technology to solving what matters most. At major technology centers and national laboratories around the world, Battelle conducts research and development, designs and manufactures products, and delivers critical services for government and commercial customers. Headquartered in Columbus, Ohio since its founding in 1929, Battelle serves the national security, health and life sciences, and energy and environmental industries.

Battelle is the world's largest nonprofit research and development organization, with over 22,000 employees at more than 60 locations globally. A 501(c)(3) charitable trust, Battelle was founded on industrialist Gordon Battelle's vision that business and scientific interests can go hand-in-hand as forces for positive change.

Today, Battelle manages the world's leading national laboratories and maintains a contract research portfolio spanning consumer and industrial, energy and environment, health and pharmaceutical and national security. Battelle is valued for its independence and ability to innovate.

Battelle's work in the Energy and Environment sector includes air quality and regulatory compliance, water systems and infrastructure management, geological characterization-storage-modeling, and natural resource assessment and monitoring.

Battelle efforts in carbon management include advancing carbon capture and storage technologies to the commercial stage. The organization worked with American Electric Power on its Mountaineer CCS Product Validation Facility, which marked the first time that capture, transport, injection, storage and monitoring were put together for a coal-fueled power plant.

<http://www.battelle.org/our-work/energy-environment/case-studies/advancing-carbon-capture>

Since 2003, Battelle has also led the Midwest Regional Carbon Sequestration Partnership (MRCSP), a unique public-private collaboration of nearly 40 government, industry and university partners. The initiative aims to assess the technical potential, economic viability and public acceptability of CCS for the U.S. Department of Energy.

<http://www.battelle.org/our-work/energy-environment/case-studies/advancing-energy-innovations-to-mitigate-climate-change>

More recently, Battelle has engaged in an on-going research project on coal and coal biomass to liquids (CBTL), involving a hybrid, direct CBTL jet fuel process being developed using novel biomass-derived solvents. The project aims to demonstrate a straightforward path to near-term commercial production, a significant reduction in capital and operating costs, and a substantial reduction in greenhouse gas (GHG) emissions without requiring CCS.

<http://www.netl.doe.gov/research/proj?k=FE0023963>

***A regularly featured column on industry, university and government initiatives in support of clean coal technology development & commercialization.**