

▶ BATTELLE BACKGROUND INFORMATION

Purpose

Battelle is a global science and technology enterprise that explores emerging areas of science, develops and commercializes technology, and manages laboratories for customers. Headquartered in Columbus, Ohio, Battelle:

- Generates about \$5 billion in research and development activity annually;
- Helps oversee more than 20,000 employees worldwide;
- Conducts thousands of projects for about 1,100 government and industrial clients each year; and
- Returns a minimum of 20 percent of its profits to the communities in which it's located.

History

Battelle, which began operations in 1929, was established in Columbus, Ohio, by Gordon Battelle and serves as a memorial to his family, who were leaders in America's early steel industry.

Legal Structure

Battelle is a charitable trust organized as a non-profit corporation under the laws of the State of Ohio and is exempt from taxation under Section 501(c)(3) of the Internal Revenue Code because it is organized for charitable, scientific, and educational purposes.

Notable Technology/ R&D Examples

- Battelle scientists played a crucial role in developing the office copier machine (Xerox). In all, Battelle was awarded more than 250 patents related to the dry-copying process.
- Battelle did pioneering work on optical digital recording technology that led to the compact disc.

- Battelle researchers developed a breakthrough method for predicting the fatigue life of welded structures, potentially saving billions of dollars in design, engineering, and manufacturing costs.
- Experts in optical networking at Battelle have been among global leaders in fiber-optic advancements for telecommunications.
- Battelle medical technology experts have developed numerous advancements in the health care field.

Battelle's business is organized into several distinct segments:

- **Laboratory Management:** Battelle manages or co-manages six national laboratories for the U.S. Department of Energy and two international laboratories—a nuclear energy lab in the United Kingdom and a renewable energy lab in Malaysia. We also manage the nation's premier biological threat characterization and bioforensic analysis research facility for the U.S. Department of Homeland Security:
 - **Brookhaven National Laboratory** (managed by Brookhaven Science Associates, LLC—a collaboration between Battelle and Stony Brook University);
 - **Idaho National Laboratory** (managed by Battelle Energy Alliance, LLC, of which Battelle is the sole member, and a team consisting of BWX Technologies, Inc.; Washington Group International; Electric Power Research Institute; and an Alliance of University Collaborators led by the Massachusetts Institute of Technology);
 - **Lawrence Livermore National Laboratory** (co-managed by Lawrence Livermore National Security, LLC, which includes Battelle, the University of California, Bechtel National, BWXT, and Washington Group International);
 - **National Biodefense Analysis & Countermeasures Center** (managed

by Battelle National Biodefense Institute, a Battelle limited liability company);

- **National Renewable Energy Laboratory** (co-managed by Battelle and Midwest Research Institute);
 - **Oak Ridge National Laboratory** (managed by UT-Battelle, LLC, comprised of the University of Tennessee and Battelle);
 - **Pacific Northwest National Laboratory** (managed by Battelle).
- **Battelle Global Businesses:** Battelle translates science and technology into products, systems, and services with a special focus on its "signature" areas of energy, national security, and health and life sciences.
 - **Battelle Ventures:** A venture fund financed by, but independent of, Battelle that helps move technology into the marketplace by providing seed and early-stage capital for technology companies.
 - **Education:** Included in Battelle's "Mission and Core Purposes," since its founding, is the objective of "... improving the education of men and women to better prepare them for employment." Toward that end, Battelle actively supports educational initiatives in Ohio and across the United States that measure student achievement, assist with professional development for teachers, and promote inquiry-based learning, especially in the science, technology, engineering, and mathematics (STEM) disciplines.

Facilities and Offices

In addition to the national laboratories, Battelle has major technology centers in Columbus, Ohio; Aberdeen, Maryland; and Geneva, Switzerland. Specialized facilities, regional centers, and offices are located in more than 130 cities worldwide.