



TECHNICAL CENTER

WHO WE ARE

We are the makers, problem solvers and future world builders who are creating stronger, more sustainable communities. We don't just talk about progress and innovation here – we make it happen, with our customers, where we work and live. Together, we are building a better world, so we can all enjoy living in it.

Caterpillar's Technical Center in Mossville, Illinois, is a 784-acre campus where we develop, design and enhance the products, services and solutions that have helped our customers work efficiently since 1962.

OUR PEOPLE

Our global team of 2,500 employees includes electricians, mechanics, heat treatment and welding experts, scientists and engineers.

OUR PRODUCTS / SERVICES

- **Administrative Building:** Opened in 1964, our administrative building includes the Technical Information Center, which is a comprehensive engineering library for our employees.
- **Component and Systems Development:** Opened in 1971 with 131 test facilities, teams here are focused on integrating the various components of a system. A system includes a machine's engine, transmission, aftertreatment, hydraulic pumps and electronic controls. This building also houses powertrain system simulators.
- **Global Power Solutions Development Lab:** Opened in 1962, our lab serves development and integration of a multitude of power sources including engines, batteries and fuel cells, as well as aftertreatment and component testing.
- **Manufacturing Building:** Opened in 1969, this building operates advanced structures, components, research and manufacturing process validation, metallurgical lab and maker space.
- **Engine Research and Facilities Services Building:** Opened in 1962, we operate search engine research and an immersive visualization center and facilities services.
- **Shake Table Lab:** Opened in 2009, the large payload structural dynamics lab houses the largest actuators equivalent to earthquake simulations. To ensure quality, we use the shake table lab to test our products by replicating 20 hours of machine damage in one hour of "shake" testing.
- **Sound Lab:** Engineers and technicians use the sound lab to test machines and components to ensure they comply with global sound emission requirements. The lab has a reverberation chamber and a "hemi-anechoic" (no echo) chamber.

AT CATERPILLAR

- We are an inclusive, values-based company that never forgets we're all human.
- We hold ourselves accountable and treat each other with integrity and respect.
- We put safety first in everything we do, including creating safe workspaces strengthened by empathy and respectful interactions.

COMMUNITY IMPACT

We believe that everything we do makes an impact and helps build a better world. Through our long-standing commitment to our community, we have:

- Partnered with the Peoria Public School District to provide Destination Technology program, a STEM opportunity providing hands-on activities in math, science, technology and engineering for nearly 100 middle school students.
- Delivered First Lego League equipment to local schools each year for robotics tournaments supporting STEM.
- Converted 19 acres of turf to native prairie on the campus, supporting the ecosystem and sustainability of the land we occupy.
- Lead a successful United Way campaign every year to raise support and awareness for community needs.
- Collected and recycled over 8,000 pounds of E-Waste.
- Given away over 900 trees through partnership with Living Lands & Waters.
- Used 75 lbs. of dried coffee grounds from the campus cafeterias for fertilizer.
- Distributed over 10,000 COVID test kits.
- Provided our employees with the opportunity to volunteer in the community during their work day.