Fact Sheet

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Sustainability at Phoenix Contact USA

Sustainability and responsibility guide every action that Phoenix Contact takes, as we work with our customers to empower a smart and sustainable world for future generations.

Notable environmental projects at Phoenix Contact USA:

- **Solar-powered EV carport (2024)**
  - Phoenix Contact is finalizing the installation of a solar-powered carport on the east side of its Harrisburg campus parking lot.
  - This EV charging station will allow for 10 additional EV charging stations with a 220-kW capacity battery system. The 112.5 kW solar system can produce about 1,286 MW per year.
  - The carport includes four Flo charging stations, each with two charging points, and two Jule fast-charging stations.
  - The Jule stations have an output of 960 V at 200 A and can charge a vehicle in as little as 30 minutes, depending on conditions. The FLO stations are 280 V at 40 A per station. They are standard level two at 7.2 kW an hour and can fully charge a car in 7-10 hours.
  - eCAMION installed the Jule system, which incorporates numerous Phoenix Contact products, including PLCnext Control, power supplies, terminal blocks, relays, and DC charging cables.
  - Commissioning was completed in June 2024.
  - Phoenix Contact currently has three electric vehicles in its fleet, including a Ford F150 Lighting and Volkswagen ID.4, which were both purchased in 2023. Phoenix Contact plans to have a completely electric fleet by 2030.
  - Approximately 20 Phoenix Contact employees with hybrid or electric vehicles currently use the company's charging stations.
- **Rooftop solar array (2021-22)**
  - Phoenix Contact installed a 961-kW solar array on the rooftop of its Logistics Center for the Americas in 2022.
  - The Solar array generated 1,194,589 kWh of electricity in 2023. This energy saving equates to 847 metric tons of carbon dioxide reduction.
  - Phoenix Contact designed and installed the monitoring portion of the system, which features numerous Phoenix Contact products.
  - The solar array consists of 2,185 SunPower photovoltaic panels with solar generation with maximum D.C. power of 961 kW.
  - Phoenix Contact estimates a return on its investment within four to five years.
  - This project was awarded the Pennsylvania Governor's Award for Environmental Excellence in 2023.

- **Parking spaces with electric vehicle charging (2015)**
    - Eight parking stations are available for free to employees and visitors to charge electric and hybrid vehicles, reducing fossil fuel usage.
    - This project was awarded the Pennsylvania Governor's Award for Environmental Excellence in 2016.
- **1-megawatt Combined Cooling, Heating, and Power (CCHP) system (2014)**
    - In 2014, Phoenix Contact installed a 1-megawatt Combined Cooling, Heating, and Power (CCHP) facility.
    - The system provides 65 percent of the facility's energy needs and saves the company more than $300,000 annually.
    - The CCHP acts as a redundant power source and allows the facility to operate at full production during local blackouts. The CCHP is composed of five 200-kilowatt Capstone microturbines packaged in a single container, a 300-ton exhaust-fired absorption chiller, and a 5,000-BTU heat exchanger.
    - This project was awarded the Pennsylvania Governor's Award for Environmental Excellence in 2015.

Behind-the-scenes initiatives

In addition to the large projects initiated around the campus, Phoenix Contact has implemented many environmental considerations behind the scenes to support company-wide sustainability goals. A few examples:

- Recycling efforts totaled 201 tons of materials in 2023 (>25 tons of comingled recycling, 58.08 tons of cardboard, 13.49 tons of office paper, 42.25 tons of metal recycling, 0.72 tons of batteries, 0.23 tons of fluorescent bulbs, 26.95 tons of manufactured plastic, 3.74 tons of E-wastes, and 30.91 tons of spools/wood waste).
- Phoenix Contact reduced landfilled plastics from 13.5 tons in 2021, 2.85 tons in 2022, and 1.92 tons in 2023.
- Phoenix Contact eliminated the contamination of the Single Stream Recycling (SSRY) in 2023. In 2022, 11.34 tons of contaminated SSRY were disposed at the Harrisburg Incinerator rather than recycling.
- Phoenix Contact has met its goal of zero waste to the landfill for residual waste by processing plant trash at the Harrisburg Incinerator for conversion from waste to energy.
- Phoenix Contact purchased two electric vehicles in 2023 (Ford F150 Lighting and Volkswagen ID.4), which are projected to reduce carbon dioxide by 8.98 metric ton/year based on the US EPA Greenhouse Gas Calculations.
- Phoenix Contact performed an LED lighting retrofit project in 4 areas (204 fixtures) that resulted in an annual electric saving of $14,264 and avoided 72.6 metric tons of carbon dioxide (102,502 kWh reduction).

Learn more at https://www.phoenixcontact.com/en-us/all-electric-society.

About Phoenix Contact

Phoenix Contact is a global market leader based in Germany. Since 1923, Phoenix Contact has created products to connect, distribute, and control power and data flows. Our products are found in nearly all industrial settings, but we have a strong focus on the energy, infrastructure, process, factory automation, and e-mobility markets. Sustainability and responsibility guide every action we take, and we're proud to work with our customers to empower a smart and sustainable world for future generations. Our global network includes 22,000 employees in 100+ countries. Phoenix Contact USA has headquarters near Harrisburg, Pa., and employs more than 1,100 people across the U.S.

For more information about Phoenix Contact or its products, visit www.phoenixcontact.com, call technical service at 800-322-3225, or email info@phoenixcontact.com.