



In a forward-thinking initiative to reduce carbon emissions and operating costs, Mecklenburg Paint Company (MPC) has partnered with Inovis Energy, a leading energy services company, and Atom Power to transition its fleet to electric vehicles (EVs) - starting with the installation of four dual-port Atom EV chargers in 2023 at its Charlotte facility.

Inovis Energy managed MPC's first fleet electrification project, and Atom Power's innovative level 2 charging solution was selected for its reliability, scalability, security, and cost effectiveness.



Mecklenburg Paint Company's Fleet Electrification Goals

- Engage **turn-key partners** to manage their fleet electrification process, from the initial design phase to assisting with securing workplace charging grants and funding.
- Charging stations with **proven network uptime reliability** to avoid fleet availability issues, **reduce maintenance and service needs**, and a **low total cost of ownership**.
- Power management capabilities that charge the full fleet of vehicles on their **existing infrastructure** - reducing costs and installation time.
- Maximize the use of available rebates for commercial customers to **reduce upfront costs** for EV charging deployment.



Solution Highlights

Inovis Energy installed four dual-port level 2 Atom EV charger systems (11.2 kW) / 48A) to energize eight electric vehicle spots.

- **Innovative, scalable cost-effective solution:** Atom Power was selected because their solid-state digital circuit breaker charging at the panel, coupled with Atom's power management platform scaled to meet MPC's goals using existing infrastructure, eliminating the need for a utility service upgrade.
- **Reduced costs and completion times:** Traditional chargers would have necessitated a utility service upgrade, thereby increasing project costs and timelines.
- **Increased security and reliability:** Atom EV utilizes a solid-state circuit breaker to centralize charging at the panel level and is fully networked for secure, on-premise and cloud-based asset and power management, increasing security and network uptime reliability ($\geq 99\%$).
- **Funding sources to lower upfront costs:** Inovis Energy assisted MPC in securing funding sources for the project, including the NC DEQ state grant for workplace charging and the Duke Energy commercial charger prep credit.



Results

- **Reduced carbon emissions:** MPC has already started to reduce their carbon emissions with this charging installation and the use of new electric vans.
- **Customer satisfaction:** *"The Inovis Energy / Atom Power solution was flexible, expandable, and was heads above what other competitors were offering. The project execution went extremely well,"* said Andy Fischer, President, MPC.

"Ensuring access to reliable EV charging is a crucial step in electrifying any fleet," said Ryan Kennedy, co-founder and CEO of Atom Power. *"Our partnership with Inovis Energy and Mecklenburg Paint Company on this project is a testament to improving energy efficiencies, eliminating unexpected infrastructure costs, and making the transition to sustainable transportation as seamless as possible."*