

PROJECT BRIEF



Project Name: Orange EV LLC

Grant Program: DRAW

Project Date: June 2023 - January 2025

Project Summary

The Orange EV project transformed company-wide employee training, including high-demand, high-wage positions. Orange EV used funding to construct a new 400,000 sq. ft. headquarters featuring 3,300 sq. ft. of dedicated training space, comprising two state-of-the-art classrooms and two hands-on, virtual reality-enabled training bays. The 650 sq. ft. classrooms have a collapsible wall, allowing them to merge into a 1,300 sq. ft. space for up to 50 people, equipped with configurable furniture and audio/visual equipment.

Additionally, the company established a 2,000 sq. ft. training area in Production, with two training bays housing OEV terminal trucks linked to virtual reality technology for seamless instructional experiences. This setup enables trainers to work flexibly with both co-located and on-site staff, enhancing the company's training programs. Additionally, this initiative will continue to create new job opportunities in Kansas City and support families throughout Wyandotte County.

Goals and Objectives

Goal: Develop two advanced classrooms equipped with hands-on and virtual reality features. Each 650 sq. ft. classroom will feature a collapsible partition between them, enabling the rooms to be merged into a 1,300 sq. ft. area to seat fifty individuals.

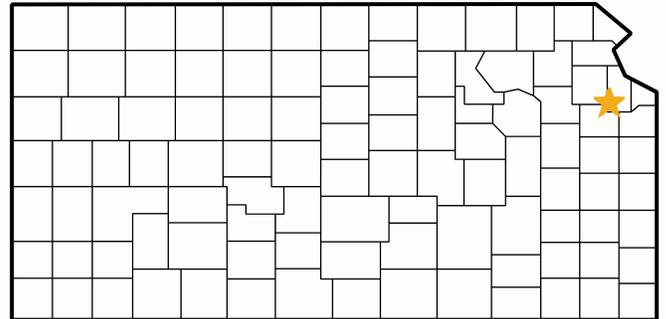
Goal 2: Set up 2,000 sq. ft. of training area in Production. The two training bays will contain two terminal trucks equipped with virtual-reality technology and additional systems to facilitate smooth instructional experiences.

Goal 3: Construct and create over two hundred trucks monthly in a single shift and convert diesel trucks to electric trucks.

Objective: Equip employees with the necessary skills and knowledge to effectively utilize advanced classrooms and training bays, ensuring they can seamlessly integrate hands-on and virtual reality features into their learning process. This includes training staff to operate and maintain terminal trucks with virtual reality technology and enhancing their capabilities to support the production of over two hundred trucks monthly, including the conversion of diesel trucks to electric trucks.

Location

Kansas City, Kansas



Budget Overview

- Grant Amount: \$250,000
- Match Amount: \$83,333
- Total Project Budget: \$333,333

Expense Categories

- Construction: \$333,333

Activities and Timeline

- **Q3 2023:** Construction activities completed utilizing DRAW funds including rooftop infrastructure and HVAC unit; installation of flooring; and, electrical.
- **Project Completion:** Ribbon cutting for new facility completion held on January 26, 2024.

Target Population

The main audience for Orange EV includes industrial fleets, particularly those utilizing heavy-duty yard trucks. They seek electric vehicle options that provide cost efficiency, enhanced safety, and dependable performance, simultaneously lowering emissions and satisfying strict duty cycles.

Sustainability

Orange EV generates revenue by creating, producing, and selling heavy-duty electric trucks, particularly yard trucks, to businesses and industrial fleets. They provide a range of buying, leasing, and rental choices, allowing fleets to effectively handle their budgets and operational requirements.

Outcomes

- Orange EV expanded its training facilities and initiated a new apprenticeship program.
- The completion of the Kansas City location serves as the central HUB for all assembly, battery and charging apparatus, refurbishment, and HUB for sales and maintenance. Orange EV Electric Terminal Trucks are distributed nationally and increasingly internationally.
- Funding increased Orange EV's ability to be well positioned as other industries recovered from COVID-19 to support them and their growth through their centralized headquarters.

Grantee Information

Orange EV was established in 2012 in Kansas City, Kansas and was the first in the country to produce 100 percent electric Class 8 vehicles. Since the launch of its initial terminal truck in 2015, the firm has rolled out more than 1,400 trucks in 40 states, including Canada and the Caribbean. Together, Orange EV trucks have exceeded 21.5 million miles and 7.9 million operational hours. Following the production of its initial pure-electric yard trucks in a 2,000 sq ft facility, the company has since expanded its operations three times, moving to 12,000 sq ft, then 52,000 sq ft, and currently 440,000 sq ft, reflecting both the company's growth and the transportation sector's increasing acceptance and integration of heavy-duty electric vehicles (EVs).

Contact Information

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