



Diesel Technician - System Installer - Product Specialist **Innovative New Diesel Engine Technology**

About Optimus Technologies

Optimus Technologies is a clean energy technology company based in Pittsburgh, PA. Optimus is the manufacturer of the revolutionary Vector System, an EPA-compliant, biodiesel fuel conversion system for medium and heavy-duty diesel trucks. This proprietary technology enables vehicles to operate on 100% biodiesel, resulting in drastic reductions in greenhouse gas emissions (80%+) while at the same time reducing fuel costs.

The Vector System easily integrates into existing operations to facilitate a seamless transition to low-carbon fuels. Optimus' Vector System is currently in use with leading municipal and private fleets throughout the country.

Find out more at optimustec.com, on [Twitter](#), [Facebook](#), and [Instagram](#).

About the Position

This isn't your typical Diesel Technician position: Optimus seeks a dynamic, organized, customer focused Diesel Technician, System Installer & Product Specialist to help us reach our bold growth goals assisting fleets in reducing their carbon emissions and achieving environmental sustainability goals.

This is a full-time (approximately 35-50 hours per week) position to be based in Pittsburgh, PA or the Southern Tier of NYS with significant travel requirements (75%+) consisting primarily of on-site customer work performing installations, service, and support of the Optimus Vector fuel system.

Optimus is a fast-growing technology company; all employees must be self-directed and capable of managing multiple duties within the company. This position will allow for a wide range of growth and new opportunities in a flexible and evolving work environment.

This role will be one of the companies' primary customer facing experts on the Vector fuel system technology. This requires a comprehensive understanding of electrical, mechanical, and software systems and a mastery of the tools and diagnostics utilized for installing and servicing the product.

The position will require significant collaboration with electrical & mechanical engineers, manufacturers, and Optimus' customers to implement the Vector technology in fleet applications. The individual in this role must have a customer-first mindset, often being the first link in the chain for any design, installation, maintenance, support, diagnostics, and customer training.



About You

You're a detail-oriented, versatile, motivated problem solver, and all-around doer who's excited to dive in deep and become a subject matter expert on the Optimus fuel system technology to assist fleet managers with their deployments and rollout of our technology.

You're keen to contribute your own creativity and ideas as you'll be an integral part of this startup transforming fleet vehicles to renewable fuels. You must work well under pressure and have a creative mindset; Optimus is commercializing a new technology – sometimes there isn't a roadmap or guidance document that determines your next steps.

You have a broad skill set and a desire for constant improvement.

You work well independently but are a team player and can plug in as an integral piece of the larger Optimus team on collaborative efforts.

You have a passion for environmental sustainability, carbon reductions, and making the world a better place.

Preferred Skills

ASE diesel certification or equivalent, significant related work experience, or military service in a relevant area.

You have an aptitude for, and deep understanding of machines, electronics, & engines, with heavy-duty diesel engine knowledge a plus.

Ability to perform methodical tasks, with diligence in isolating specific variables and are a detailed notetaker.

Strong ability to adapt to changing set of priorities and shift between multiple simultaneous tasks.

You have an engineering mindset and have possibly taken engineering classes or classes in a related technical field. A degree is not necessary, but the aptitude and thought process are a plus.

You have a basic familiarity or willingness to learn drafting programs like Autodesk Inventor or SolidWorks and some interest in the product design & development process.

Excellent written and verbal communication skills; strong technical writing skills a plus. You have the ability to read complex diagrams, wiring schematics, and engineering drawings to diagnose complex problems.



Opportunities for Growth

Optimus is entering an exciting growth phase, and we're looking for someone to grow with us. This position has the potential to turn into a more senior role for the right candidate.

How to Apply

To apply, please send the following items to careers@optimustec.com

- A resume.
- At least one piece of supplemental material (think - summary of a hobby or project you've undertaken, or a photo portfolio of something cool you've built, a sample of something technical you've written or general details on anything else that you've done that you'd like us to know about).
- A brief cover letter explaining what excites you about joining the Optimus team.

We're a dynamic team and don't expect the perfect candidate to have all of the necessary skills on day one. If you're excited about Optimus and feel you'd be a great fit, we'd encourage you to apply! If you have questions – don't hesitate to reach out.

Deadline to apply is April 30th, 2020.

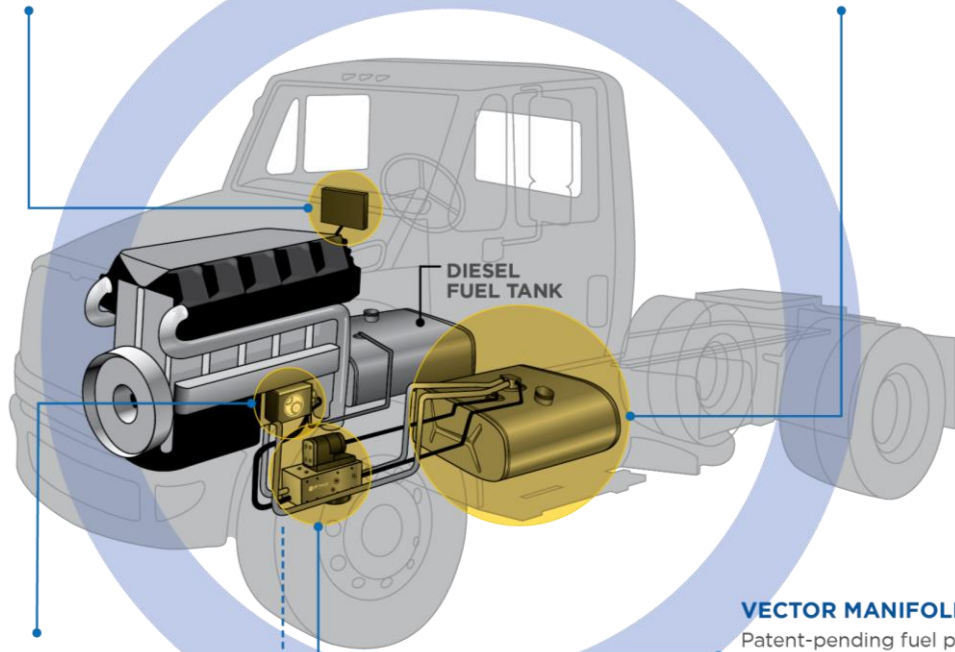
USER INTERFACE

The Vector System is completely automated and requires no input from the driver; however, the User Interface does provide the driver with system information such as operational status, fuel level, and alerts for any critical errors.

OPTIMUS TECHNOLOGIES' VECTOR SYSTEM

VECTOR FUEL TANK

Includes in-tank heat exchanger and fuel pick up / return lines. The Vector can utilize existing tanks or new tanks, easily retrofitted onto the vehicle based on fleet requirements.



ELECTRONIC CONTROL UNIT (ECU)

Is a purpose-built platform that communicates with the engine's control module, the Vector Manifold, and the Remote User Applications. The ECU optimizes the use of the new fuels and enables tracking and analysis of cost savings, emission reductions, and petroleum offsets. The ECU also has the capacity to record all system parameters—as well as operational and engine performance data—and transmit this to an Optimus server.

VECTOR MANIFOLD

Patent-pending fuel processing module that includes a heat exchanger, fuel pump, patented fuel/air separation system, sensors, and a specially-designed fuel filter.



REMOTE USER APPLICATIONS



The management interface gives access to logged data, fuel usage metrics, GPS features, and real-time system performance.



The technician service portal assists with diagnostics and troubleshooting, enabling mechanics to program system parameters, extract data, and log maintenance procedures.



Both applications are enabled through wireless connection to the ECU; all system information is stored on a remote server hosted by Optimus.