



## Product Specialist Position – 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 percent 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](http://optimustec.com), and visit our [Twitter](#), [Facebook](#), and [Instagram](#).

### About the Position

Optimus seeks a dynamic, organized, customer-focused Product Specialist. We are looking for a candidate to help us reach our bold goals of assisting more fleets in reducing their carbon emissions and achieving sound environmental sustainability.

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 installation, 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.

The Product Specialist is the companies' central representative expert for the Vector fuel system technology. This requires a comprehensive understanding of electrical, mechanical, and software systems. In addition, they will be skilled on the tools and diagnostics utilized for installing and servicing the product.

The position will require collaboration with electrical and mechanical engineers, manufacturers, and Optimus' customers to implement the Vector technology in fleet applications. The Product Specialist must have a customer-first mindset, being the first link in the chain for any 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 users with their deployments and rollout of the technology.

You have a broad skill set and a willingness for constant improvement. You're an effective communicator and strong writer with foundational experience in Excel and other analytical software tools.

You're keen to contribute your own creativity and ideas, since you'll be an integral part of this startup's mission to transform fleet vehicles to renewable fuel use. You must work well under pressure and adjust flexibly to variable circumstances; Optimus is commercializing a new technology – sometimes there isn't a roadmap or guidance document that determines your next steps.

You're keen to add new skills to your toolbox and refine the ones that are already there.

You work well independently but are a team player and can plug in as an important 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

Associate/Bachelor's/Master's degree in an engineering or technical field, ASE equivalent technical certifications, significant related work experience, or military service in a relevant area.

A valid CDL license or willingness to acquire one.

Basic familiarity using drafting programs like Autodesk Inventor, SolidWorks, etc.

You have an aptitude and understanding of engines (heavy-duty diesel engines a plus).

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

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

Excellent written and verbal communication skills.



## 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](mailto:careers@optimustec.com)

- A resume.
- At least one piece of supplemental material (think - short writing sample on any topic, poster presentation, summary of an awesome book you've read, summary of a hobby or project you've undertaken, photo portfolio of something cool you've built, or generally 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 February 19<sup>th</sup>, 2020.**

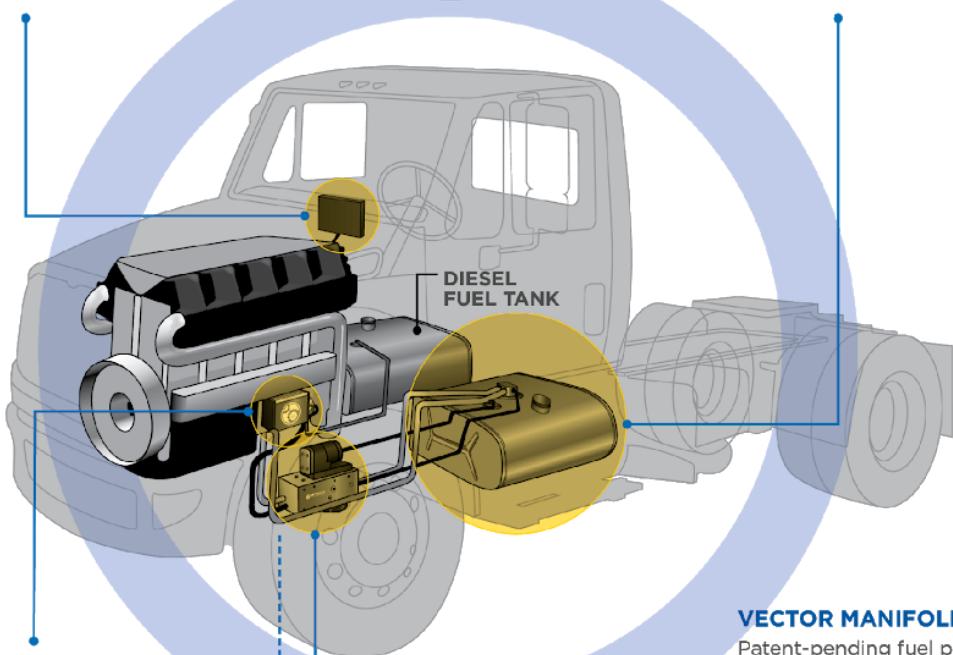
#### USER INTERFACE

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.

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

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