

# 7 Critical Factors

## on How to Become a Driver of Change

As businesses across North America shift to sustainable transportation, the move to electric trucks is gaining momentum.

Electric trucks significantly reduce greenhouse-gas emissions and combat climate change, offering environmental benefits, cost savings, and improved health outcomes for your drivers and communities alike. However, this change requires careful planning and execution. Here are 7 crucial factors for successfully integrating electric trucks into your fleet.



1. Willingness to Transition
2. Complete Engagement Towards Electrification
3. Route Planning and Optimization
4. Charging Infrastructure Assessment and Planning
5. Vehicle Maintenance Capabilities
6. Drivers and Mechanics' Training
7. Commitment to EV

That said, here are **7 crucial factors** that you need to take into consideration to ensure a successful integration of electric trucks into your fleet:

### 1. Fully Commit to Electric



Open-mindedness and genuine curiosity towards electrifying your fleet are essential. Commitment ensures that all stakeholders are on board and fosters collaboration with the right OEM. Present the transition positively to reinforce your business, and promote a sense of ownership among your team.

### 2. From Commitment to Action



Complete engagement involves developing an EV phase-in operation plan. Build a team of key stakeholders to accelerate internal adoption and partner with experienced professionals for support. Utilize funding opportunities and grants for fleet electrification. Create a detailed project roadmap with clear goals and expectations to guide your organization. Identify all advantages electrification can bring you, it will have an impact on your fleet and generate savings.



### 3. Choose the Best Truck for Your Business



Optimize routes to maximize efficiency and reliability. Analyze routes to select vehicles with appropriate range and battery capacity. Use telematics for operational efficiency and adjust routes accordingly. Avoid overspending on unnecessary features by choosing trucks that meet your specific needs.

### 4. Charging Infrastructure: Do You Have the Power?



An effective charging infrastructure is crucial. Evaluate different power levels available, ranging from roughly 20 kW to several hundred kW, and determine your speed requirements. Standard DC charging is less expensive but extends charging duration, while high-power DC charging enables rapid charging in minutes but requires more robust electrical infrastructure. Early consultation with your local utility and energy experts is crucial to assess rate structures, and the compatibility between your vehicle's battery capacity and your electric infrastructure's output capacity to ensure battery longevity.

### 5. Maintenance: More Prevention, Less Downtime



Ensure your maintenance facility is equipped and staff are trained for electric trucks. Preventive maintenance extends your trucks' life. Partner with OEMs or local service providers for maintenance support. Implement a preventive maintenance schedule and have an extra truck for coverage during repairs.

### 6. Training is Imperative!



Provide comprehensive training for drivers and maintenance technicians. OEMs should offer training on optimizing your trucks' usage and maintaining high-voltage systems. Drivers should learn one-pedal driving for efficiency. Proper training ensures safe and efficient operation of your electric trucks.

### 7. Be Committed to Your EV Implementation Success



Your commitment must be unwavering. Electric trucks should be integral to your business model, offering long-term gains across people, planet, and profit. They improve drivers' health, reduce carbon footprints, and provide significant energy and maintenance cost savings. Engage all levels of your organization and stay dedicated to realize these benefits fully.

### Conclusion

#### Embracing Electric into Your Business Model

By committing to these 7 factors, you integrate electric trucks into your operations and ethos. This dedication not only ensures a successful transition but also positions your business as a sustainable leader. Embrace the change, stay dedicated, and watch your district reap the rewards of a greener, more sustainable future.

Become a true **Driver of Change!**

Contact Lion Electric today at [info@thelionelectric.com](mailto:info@thelionelectric.com), or visit our website at [www.thelionelectric.com](http://www.thelionelectric.com) to learn more!

