

# Press Release



## FEV Selected as Hyliion's Partner for Electrified Class 8 Truck Development

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Auburn Hills, Michigan, July 2021 – FEV, a world leader in vehicle and powertrain development for hardware and software, has entered a long-term agreement with electrified powertrain systems provider, Hyliion, to support design, development, integration, and production validation of their innovative Electric Range Extender (ERX) for Class 8 tractor-trailer applications.

Austin, Texas, based Hyliion is striving for the ultimate solution for sustainable, heavy duty transportation through their Hypertruck ERX powertrain. The vehicle utilizes a propulsion system combining a renewable natural gas (RNG) on-board generator paired with a series of lightweight batteries to power an electrified drivetrain. This propulsion system is optimized to provide significant cost and environmental benefits for fleet owners, while also maximizing fleet uptime and eliminating “range anxiety” which can occur while operating conventional battery electric vehicles with limited range and charging infrastructure.

“The ERX solution offers transportation companies virtually everything they could want in a net-carbon-negative sustainable emissions solution,” said Patrick Sexton, CTO at Hyliion. “It has similar range and faster acceleration than a comparable diesel solution, while also providing a significant total cost of ownership (TCO) benefit.”

Hyliion has entrusted FEV to serve as their development partner. The collaboration will ensure that the design, development,

integration and optimization required for a production solution are performed in accordance with Hyliion's business model while meeting the highest industry standards.

"FEV is shaping the future of the mobility sector through development of carbon-neutral and efficient, connected and safe transportation, so we were excited when we heard Hyliion's vision for sustainable commercial transportation," commented Dean Tomazic, CTO at FEV North America. "We are thrilled at the opportunity to apply our expertise to help bring Hyliion's concept to life."

In addition to assisting with developing the controls strategy for the propulsion system, FEV will also provide vehicle integration for OEM ADAS features, controls, driver interfaces and more further establishing FEV as a complete vehicle development partner for all mobility applications. Through its in-depth expertise, FEV provides customers and society with cutting-edge technologies for state-of-the-art mobility solutions.



Complete vehicle development partner FEV has entered a long-term agreement with electrified powertrain systems start-up, Hyliion, to support design, development, integration, and validation of their innovative Electric

Range Extender (ERX) for Class 8 tractor-trailer applications. Also, FEV will develop the controls strategy for the propulsion system and provide vehicle integration for OEM ADAS features, controls, and driver interfaces.

Source: Hylion / FEV Group

### **About FEV**

FEV is a leading independent international service provider of vehicle and powertrain development for hardware and software. The range of competencies includes the development and testing of innovative solutions up to series production and all related consulting services. The range of services for vehicle development includes the design of body and chassis, including the fine tuning of overall vehicle attributes such as driving behavior and NVH. FEV also develops innovative lighting systems and solutions for autonomous driving and connectivity. The electrification activities of powertrains cover powerful battery systems, e-machines and inverters. Additionally FEV develops highly efficient gasoline and diesel engines, transmissions, EDUs as well as fuel cell systems and facilitates their integration into vehicles suitable for homologation. Alternative fuels are a further area of development.

The service portfolio is completed by tailor-made test benches and measurement technology, as well as software solutions that allow efficient transfer of the essential development steps of the above-mentioned developments, from the road to the test bench or simulation.

The FEV Group currently employs 6,300 highly qualified specialists in customer-oriented development centers at more than 40 locations on five continents.