FCREX: Fuel Cell Range Extender with Cold Start Capability for Cargo Pedelecs

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Outline:

• Potential of Cargo Pedelecs

• Advantages of Fuel Cell Propulsion

• FCREX: Fuel Cell Range Extender with Cold Start Capability

• Hydrogen Supply for Cargo Pedelec Fleets
Conclusion:

• New last mile delivery concepts needed due to growth of E-Commerce and online shopping

• Cargo pedelecs are environmental-friendly alternative

• Bottleneck of battery energy capacity results in limited range

• Fuel Cells can increase range and fasten refuelling

• FCREX:
  ➢ Compact fuel cell module for different cargo pedelec concepts
  ➢ Cold start module included for preheating for freeze start

• Different solution for hydrogen supply of cargo pedelec fleet