Carrying the Load: Electrifying Heavy Duty Trucks

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Cummins has a 100-year-long track record of delivering leading power solutions. As we look ahead, we know our industries and markets will continue to change, and we are committed to bringing our customers the right technology at the right time.
Keys to Adoption

- Total Cost of Ownership
- Infrastructure Readiness
- Technology
- Regulations
Phase 1

- Sociability need
- Capability to use current technology
- Suitable drive cycle
- Subsidies

High density urban cities
Emissions containment areas
Industrial policy driven cities

20-25 YEARS OF TRANSITION
THE ELECTRICITY IS COMING
Phase 2

- Improved technology
- Wider local regulations
- Some subsidies
- Broader charging infrastructure

High density urban cities
ULE Zones in US/Western EU
Phase 3

Viable economics
Further technology breakthroughs

Leapfrogging diesel emissions
Traditional commercial vehicles
Our View - Development

Segment Size

Time

URBAN DELIVERY TRUCK
MATERIAL HANDLING
URBAN BUS
SCHOOL BUS
TERMINAL TRACTORS
STATIONERY ENERGY
DRAYAGE TRUCK
UNDERGROUND MINING
REFUSE TRUCK
COMMERCIAL MARINE
UTILITY TRUCK
REGIONAL TRUCK
PG- RV
METRO TRACTOR

MEDIUM DUTY TRUCK
SCHOOL BUS
TERMINAL TRACTORS
STATIONERY ENERGY
DRAYAGE TRUCK
UNDERGROUND MINING
REFUSE TRUCK
COMMERCIAL MARINE
UTILITY TRUCK
REGIONAL TRUCK
PG- RV
METRO TRACTOR
Power of Choice

INTERNAL COMBUSTION ENGINE

HYBRID

BATTERY ELECTRIC

FUEL CELL ELECTRIC