



@EVSymposium29
#EVS29

Electric Vehicle Symposium & Exhibition

June 19-22, 2016 | du 19 au 22 juin 2016

Montréal, Québec, Canada

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DRIVE ELECTRIC INNOVATION
PROPULSER L'INNOVATION EN MOBILITÉ ÉLECTRIQUE

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Company:



- Started in October 2010 at ÉTS University
- Innovation Square of Montreal (Quartier de l'innovation de Montréal)
- Specialised in electric conversion of vehicle
- Team of 12 persons

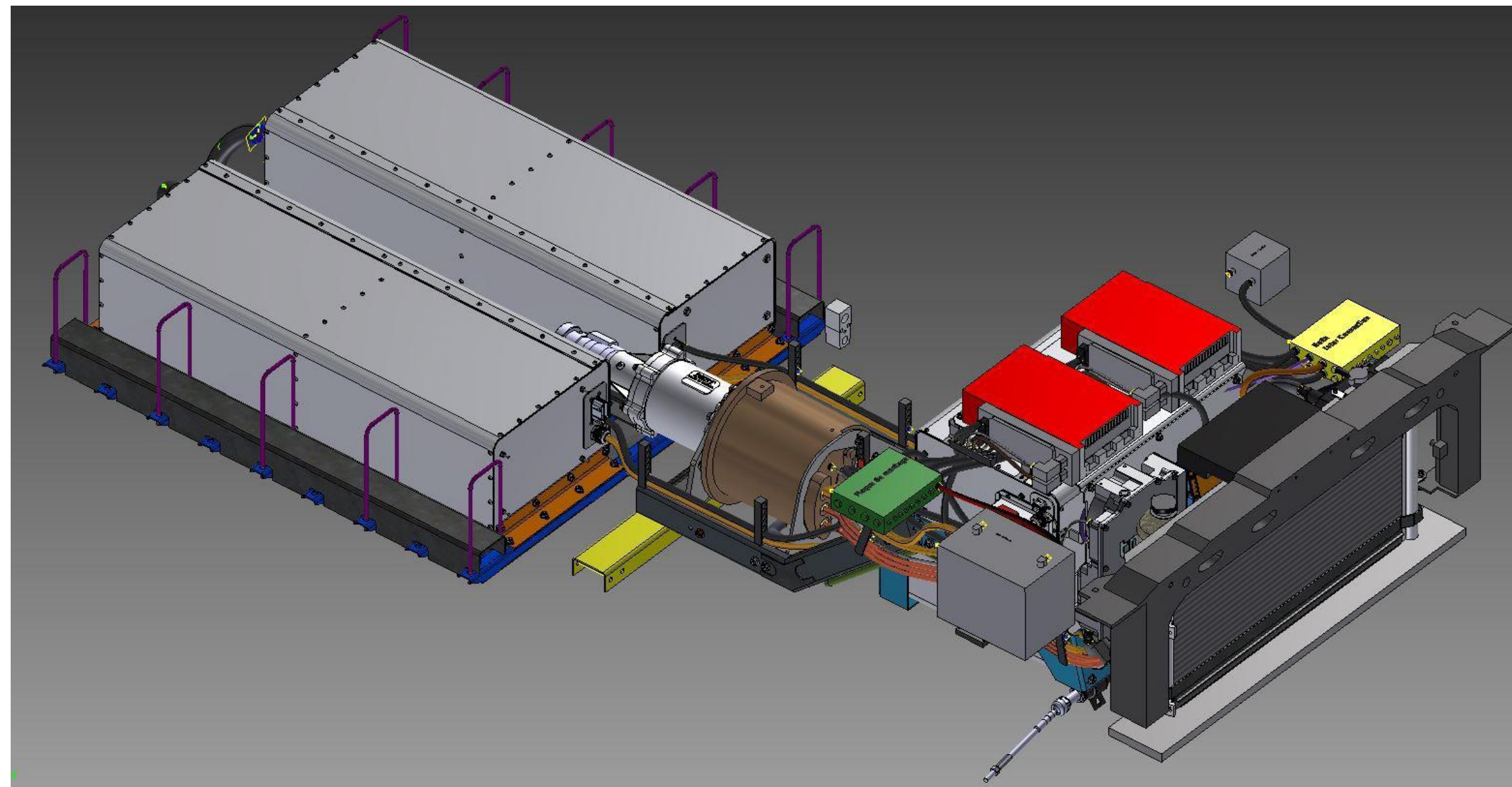
Problem of pick-ups



- High consumption
- Polluting vehicle
- Complex engine and expensive in maintenance
- Weak value of resale

Propose solution

- Conversion of pick-up trucks with a reusable electric powertrain system

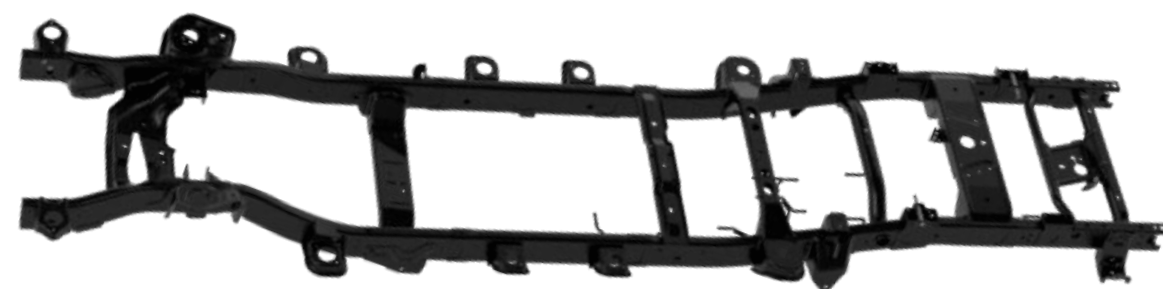


Reusable Powertrain user

Pick-up Chassis similarity



GM 1500 2011



RAM 1500 2011



F-150 2011

Pick-up Chassis Sustainability



Ford F1 1950 Frame (In restoration)

Reusable Powertrain user

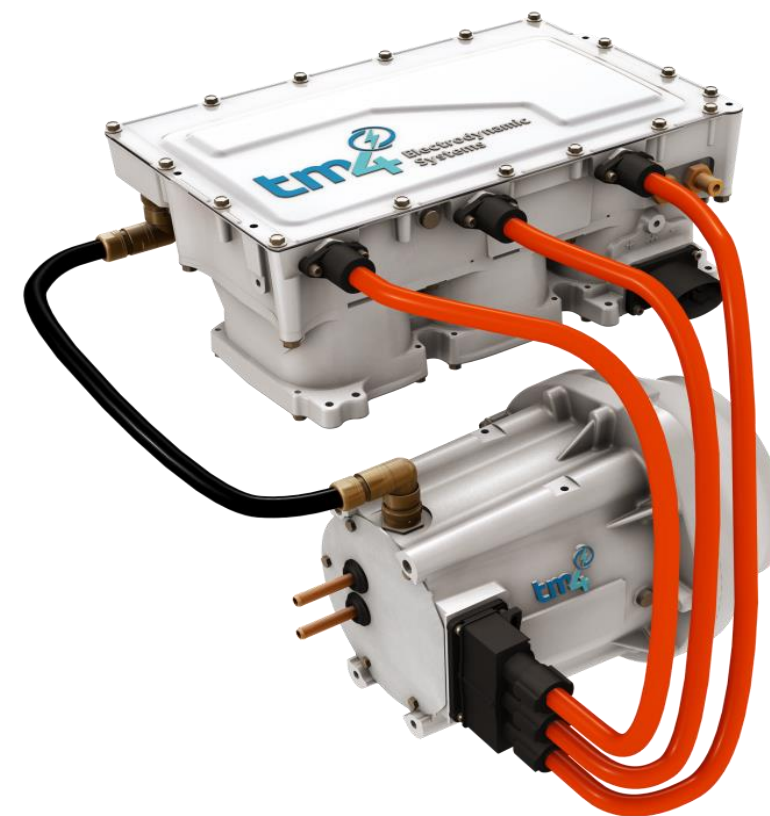
- Lifespan of EV Solution

Battery Pack



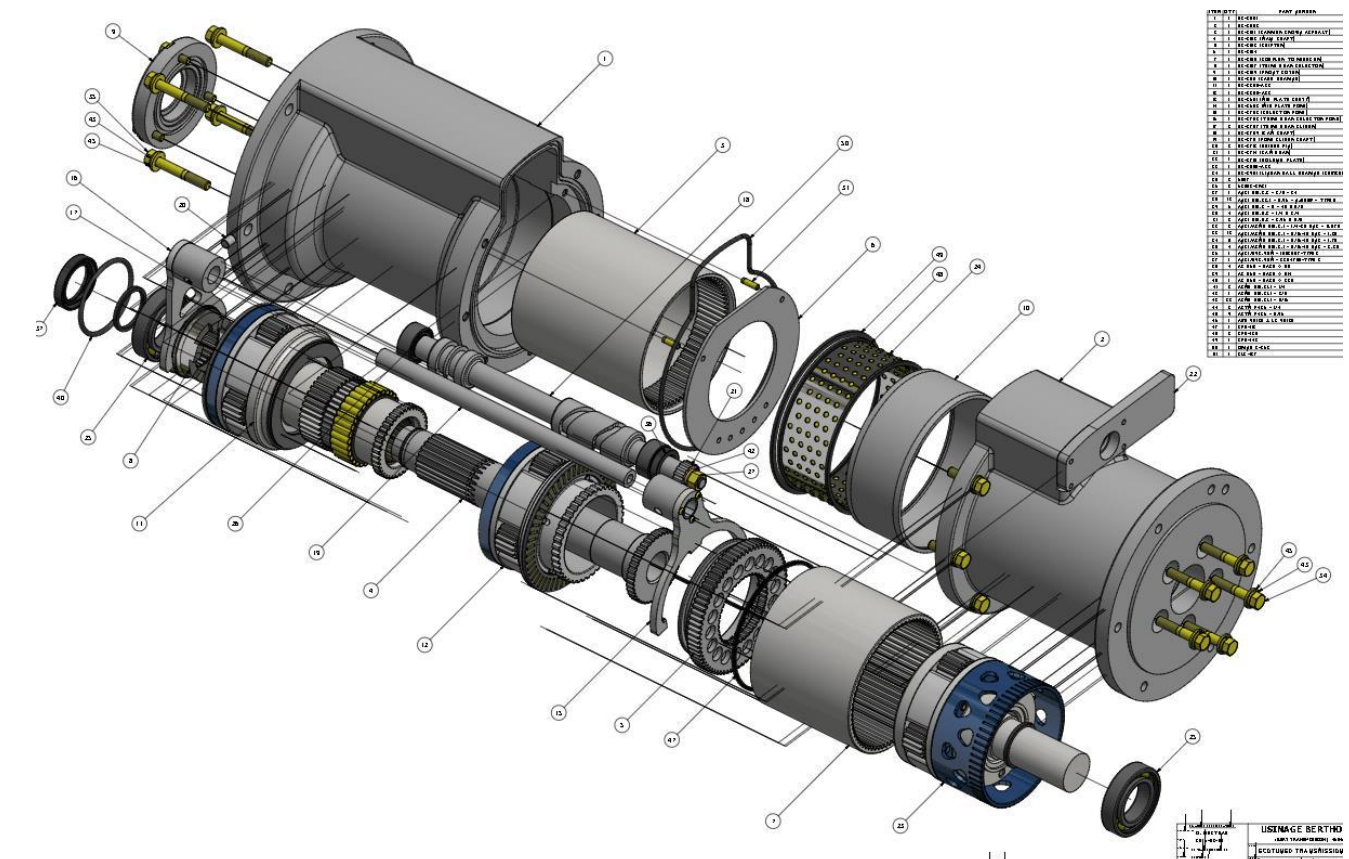
100 000 – 200 000 Km

Inverter/Motor



Around 1 000 000 Km

Transmission

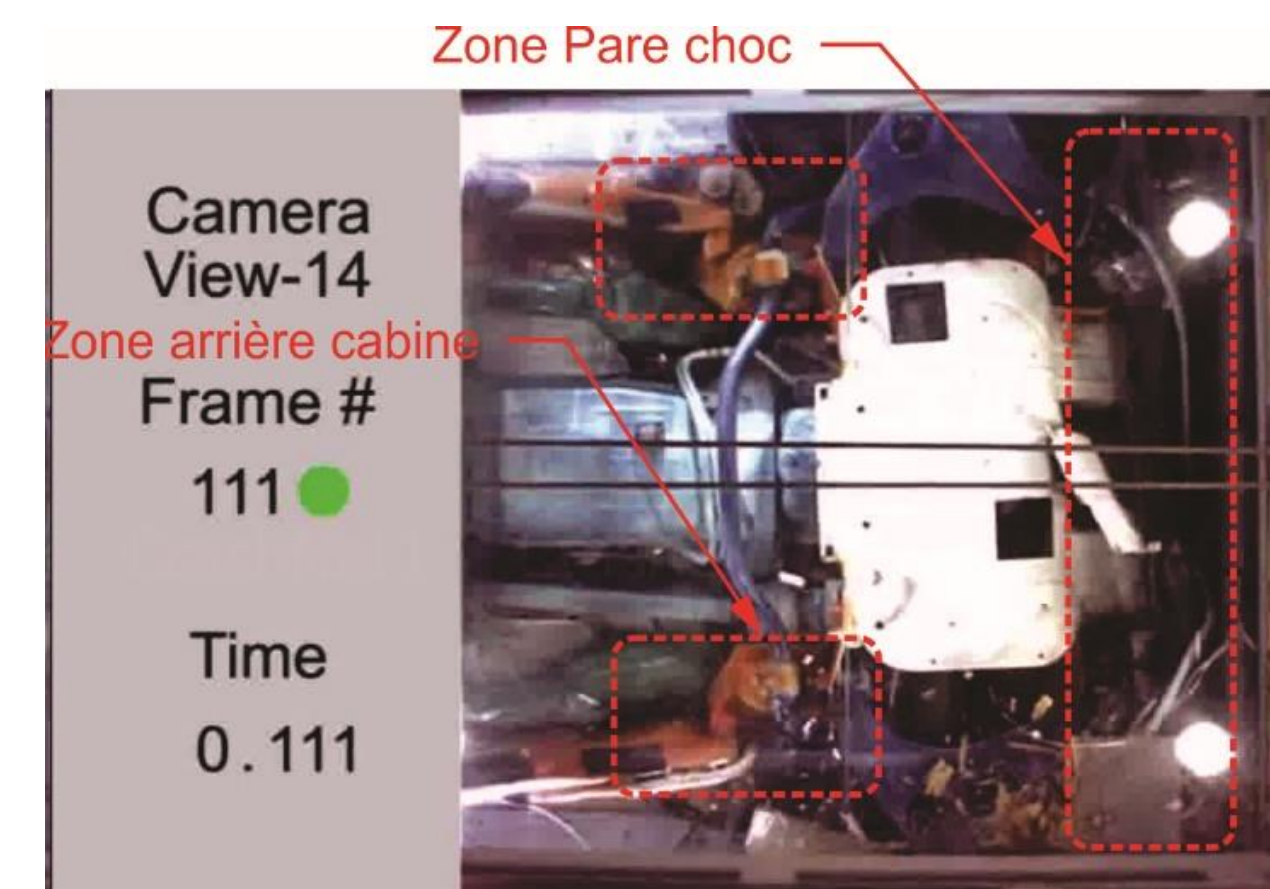
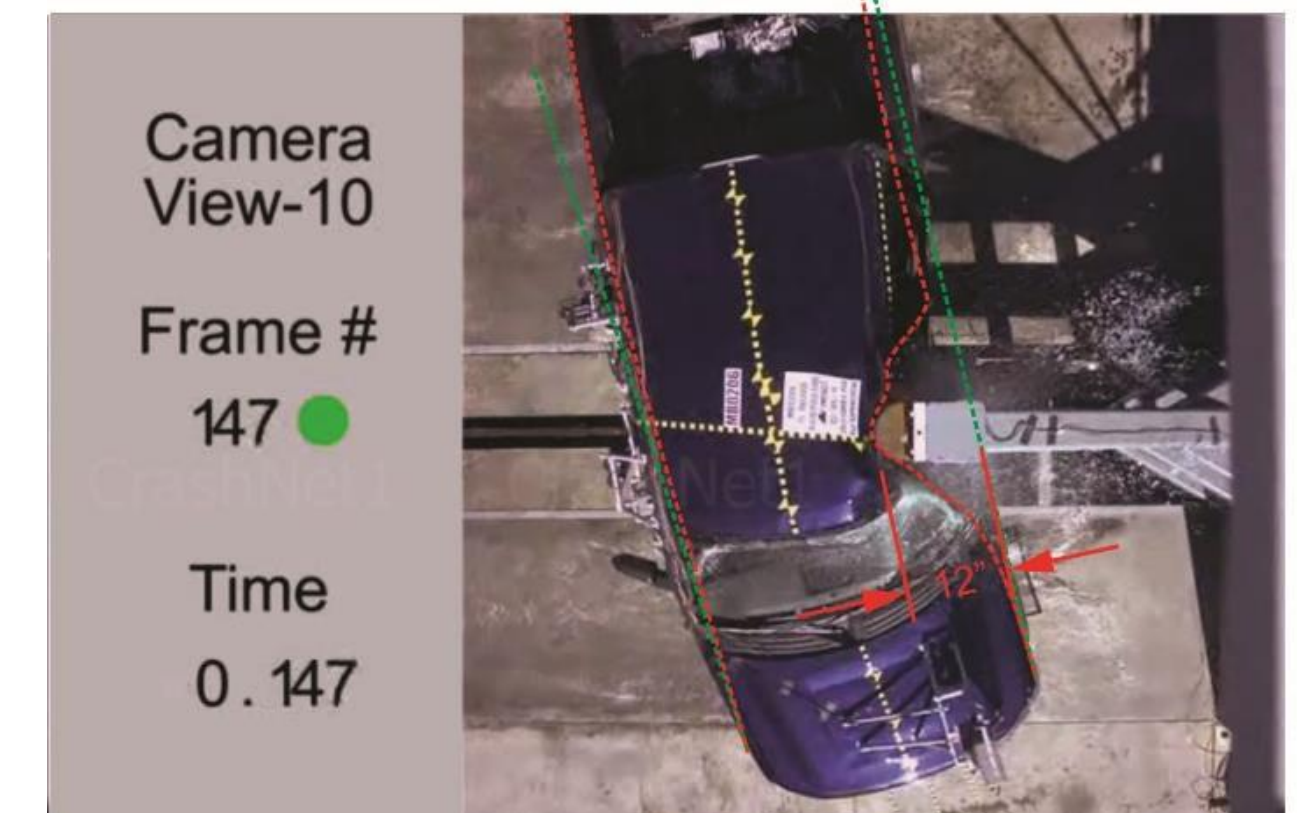
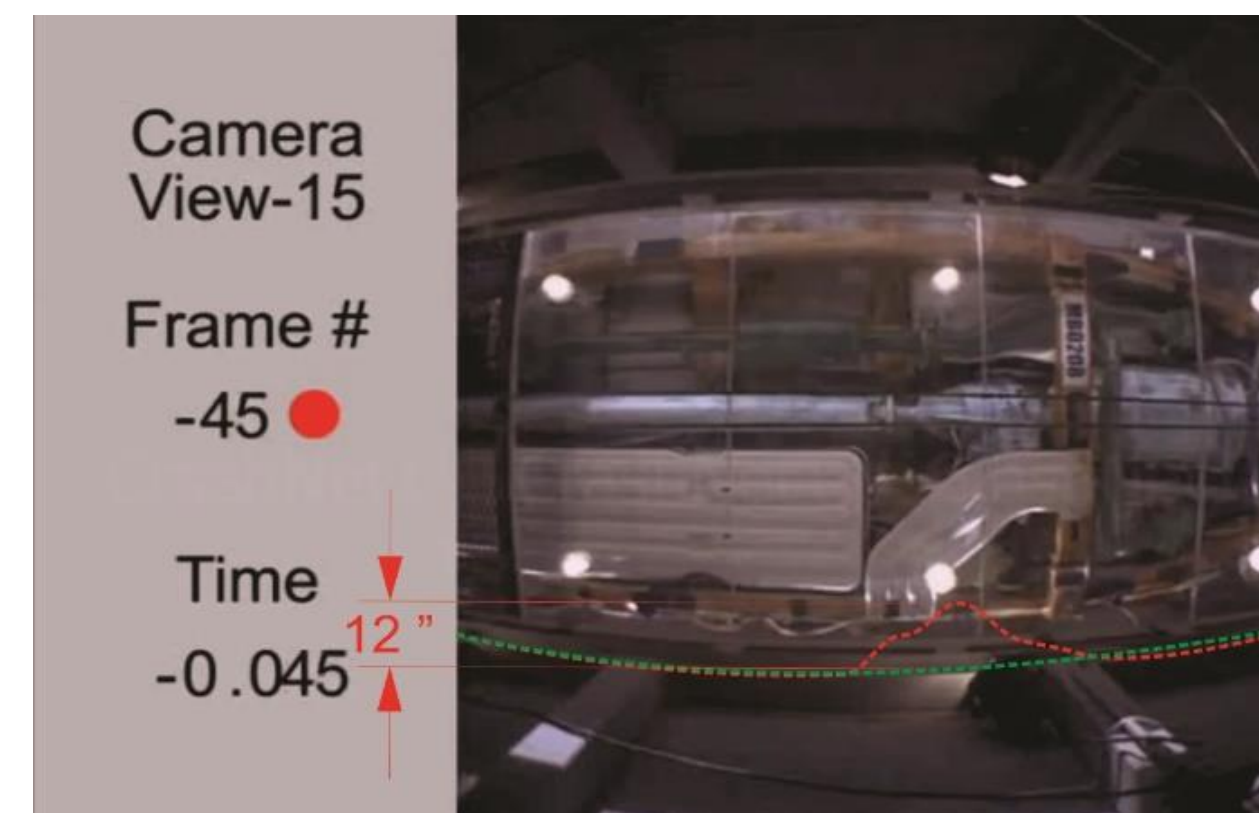


Around 1 000 000 Km

Ecotuned Powertrain

- All OEM structural safety
- Design to stay outside of the deformation zone during impact
- Build strong to resist to the high impact acceleration (g-force)

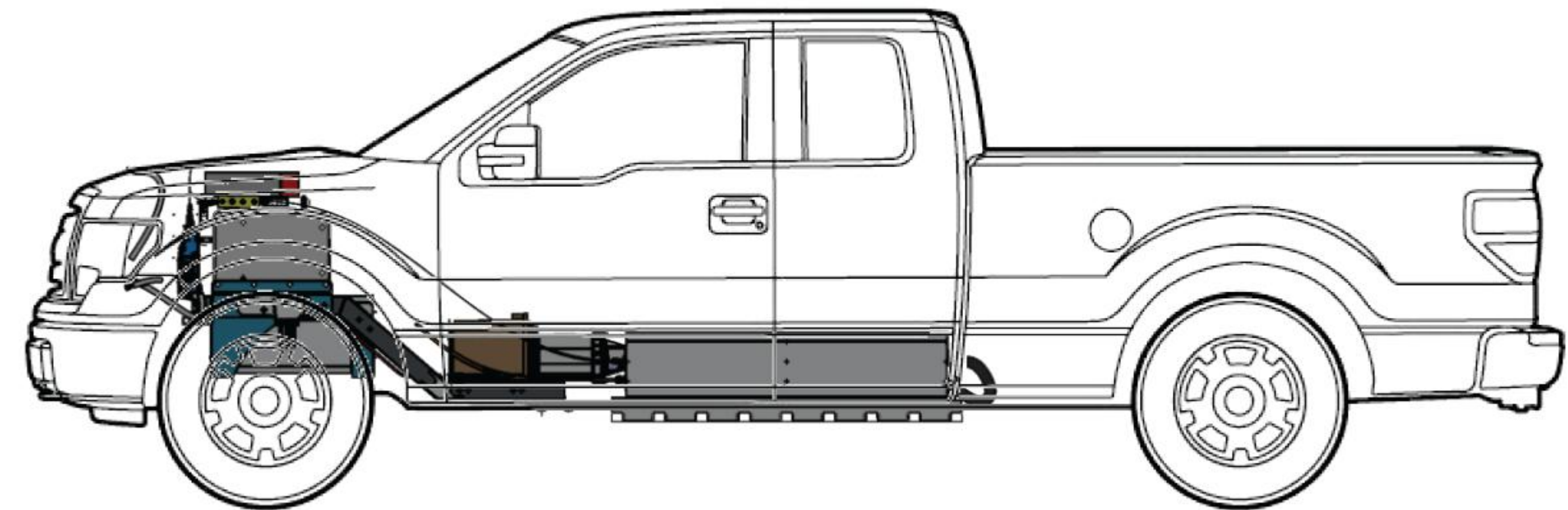
ecotuned
AUTOMOBILE



Ecotuned Powertrain



- Quick conversion time (About 16 hours)
- Fully adapted to the OEM harness
- Architecture similar to a Rear Wheel drive Powertrain
- All OEM Safety devices are operational (ABS, Traction Ctrl, Air Bag System)
- Can be installed in any standard workshop



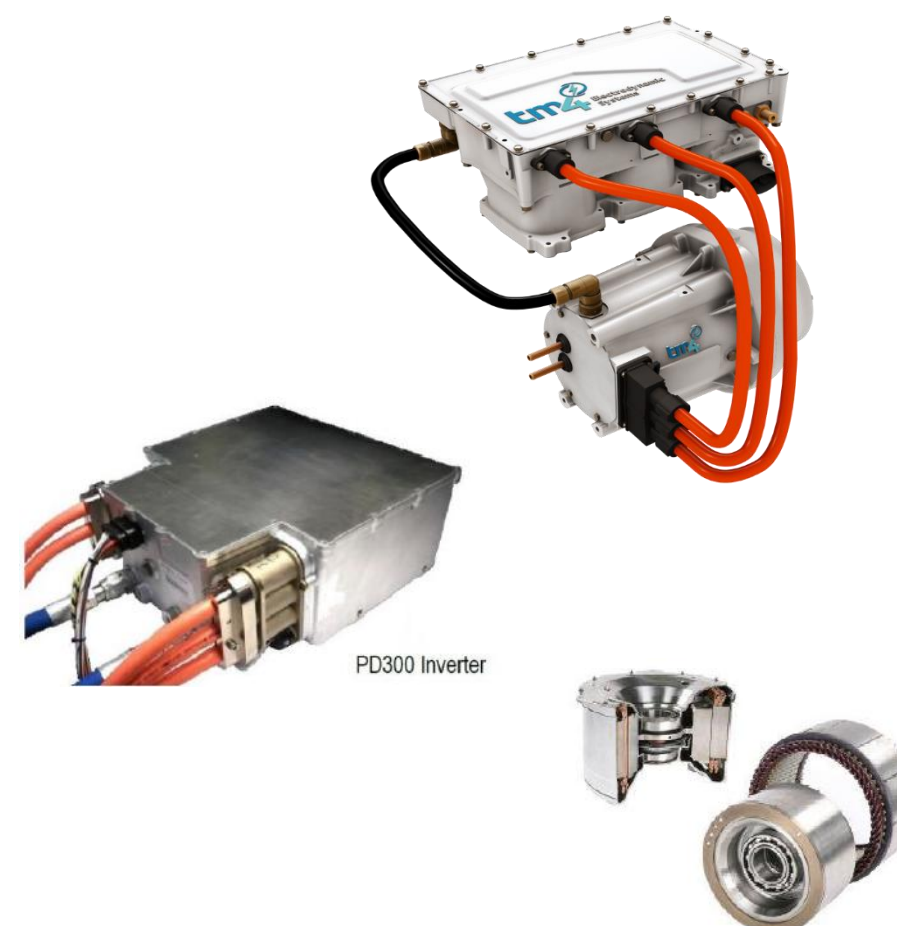
Ecotuned Powertrain

- Designed to Stay up to date

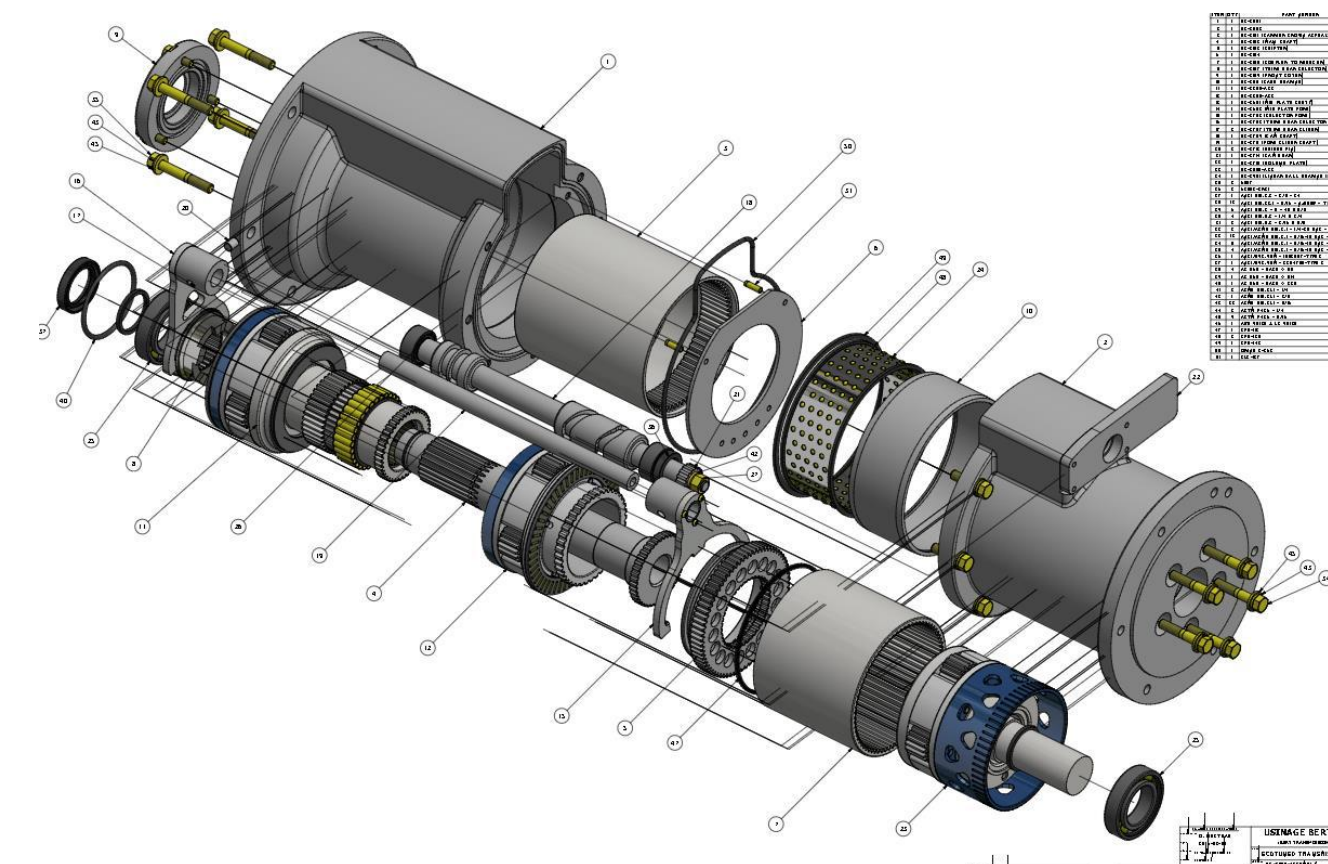
ecotuned
AUTOMOBILE



State of the art battery pack



Adapted to Customer needs
Powertrain



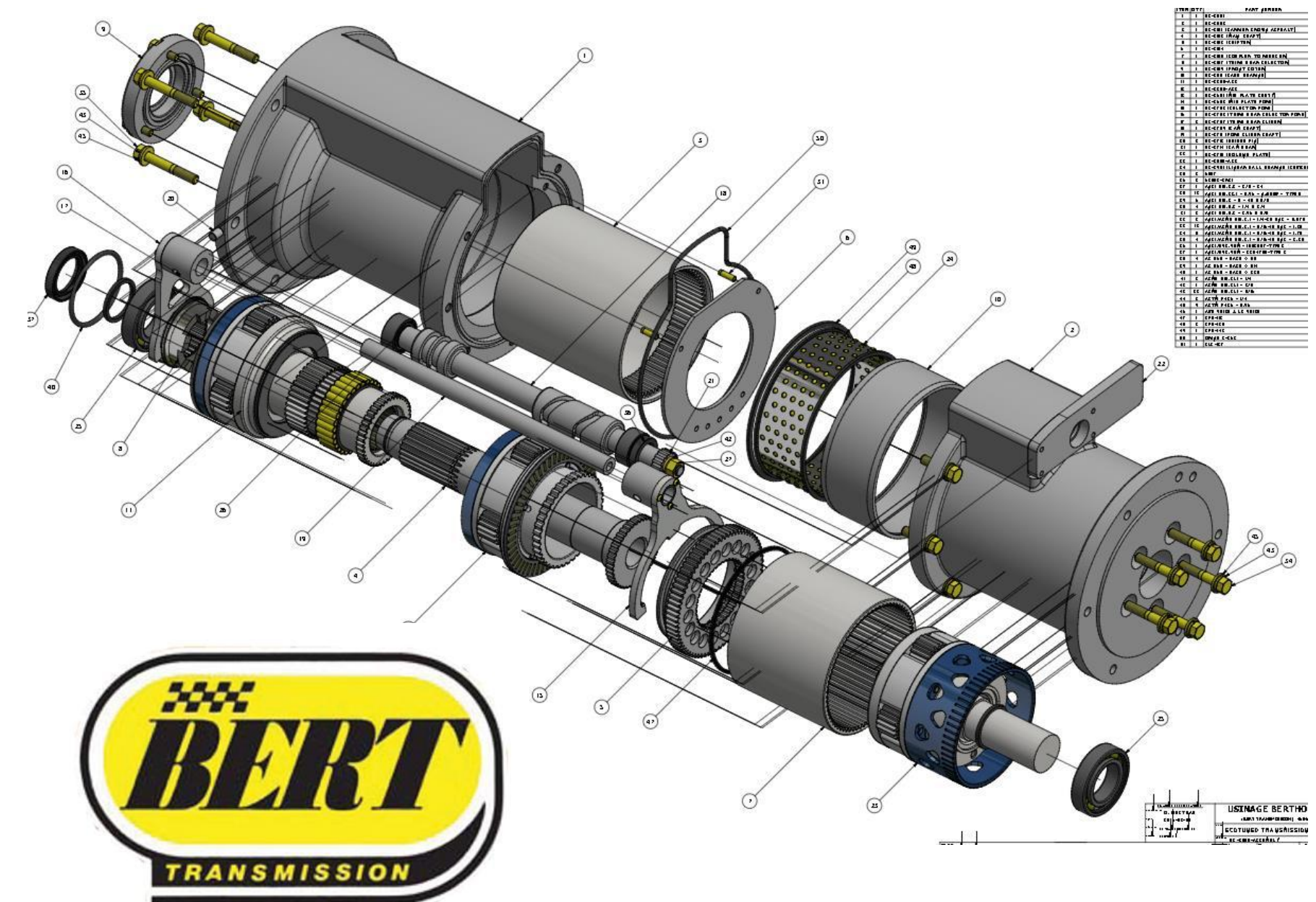
Specialised design Transmission

Packaged in a easy to Install in any workshop

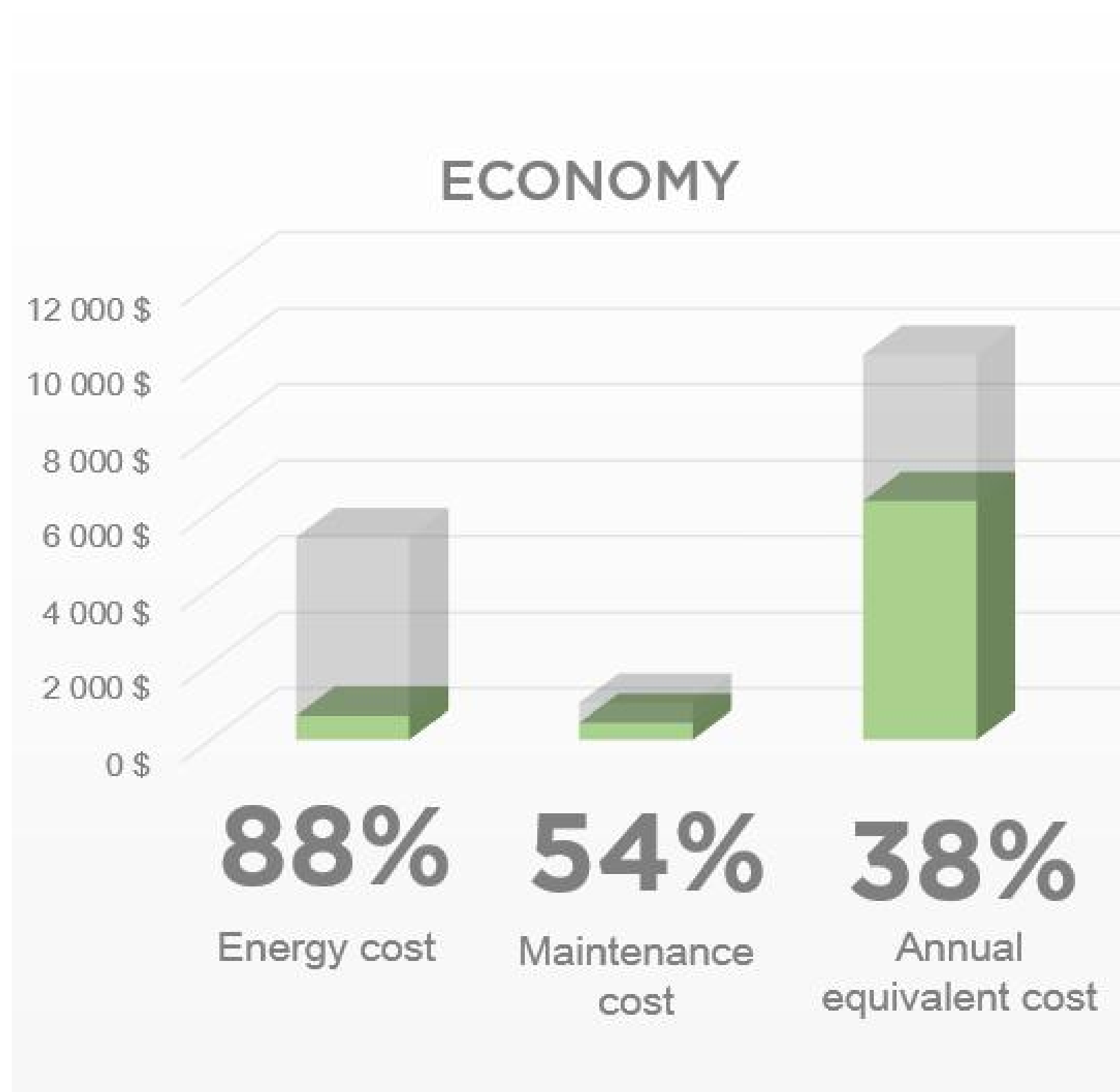
Ecotuned Powertrain (Transmission)

ecotuned
AUTOMOBILE

- 2 Speeds Transmission designed for EV Pickup Truck
- EV Transmission is all about efficiency
 - High gear ratio on the first gear
 - All the planetary system is disabled in the second speed



Rental model benefit



2.5
YEARS



The time of your return on investment

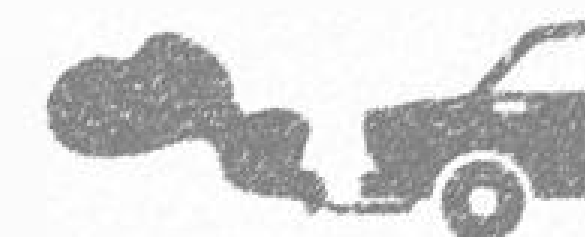
5



The number of pickup trucks that a single system can convert successively

9 TONNES

The quantity of greenhouse gas eliminated annually with a pickups truck



100%

Positive effect on the image of your organization





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