

TRIZ
engineering



UNLEASH INNOVATION





Deliver best in class products and services that are Trusted, exhibits Insightful engineering and Set the standard for product development.

What we do

We utilize our commercial vehicle experience and expertise to offer industry leading vehicle engineering development services.

Solutions

We provide engineering development solutions for the design of turnkey products, including mechanical & electrical design, simulation, electrification, vehicle control software and productivity engineering, for medium to heavy-duty commercial vehicles.

Industries

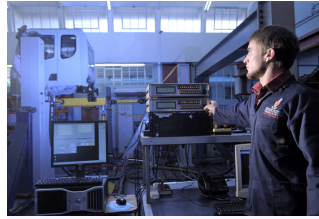
Our vehicle development services include commercial, vocational truck equipment, heavy duty and off-highway markets.

Solutions we offer



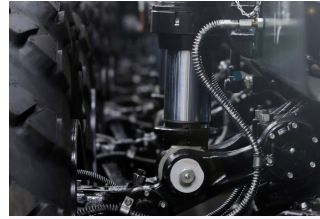
Vehicle Development

- Project management
- Vehicle specification
- Technical feasibility
- Cost analysis
- Concept development
- Engineering
- Prototype & testing
- Pilot & Validation
- Product documentation
- Ongoing production support



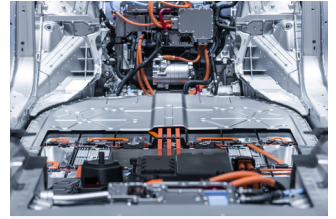
Simulation Analysis & Testing

- Systems analysis
- Structural integrity & optimization
- Field data & failure analysis
- Air flow & aerodynamics
- Thermal performance
- Safety & compliance



System Design & Integration

- Chassis development
- Powertrain integration
- Body in white development
- Axles, drive shafts & brake integration
- Aftertreatment system development
- Suspension & steering development
- Fuel system design
- Vehicle controller integration
- Other auxiliary systems



Vehicle Electrification

- Battery electric vehicle
- Hydrogen fuel cell electric configurations



Vehicle Software

- Embedded solutions
- Vehicle control software (electrification)
- Hardware in the loop testing



Automotive Manufacturing Support

- Feasibility studies
- Production line set-up & planning
- Assembly tooling development
- Standard work instructions & documentation



Data & Telematics

- Drive cycle analysis
- Predictive maintenance
- Continuous data logging (ICE or EV platforms)



Automotive Product Consulting

- Product planning
- Benchmarking & competitive analysis
- Technology consulting

Industries we serve

Commercial

- Van & step van
- Semi truck
- Vocational truck
- Box delivery & refrigeration



Bus & Motor home chassis

- Coach
- Touring bus
- Commuter bus
- RV
- School bus



Vocational Truck Equipment

- Refuse
- Road Sweeper
- Road Markers
- Roll-offs
- Dump
- Compactors

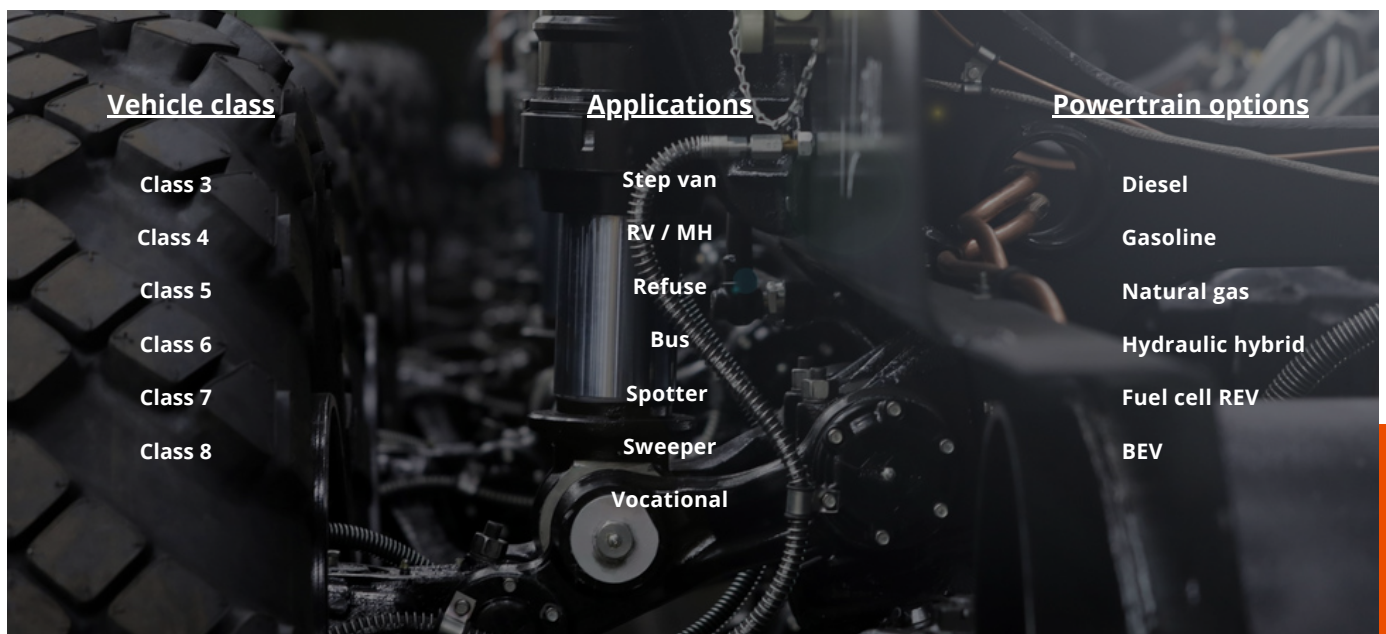


Heavy Duty & off-highway vehicles

- Twin- & tri-steer
- Snow plough truck
- Concrete pumper
- Heavy duty work truck



Range of experience and expertise



Contact Us

Triz® Engineering SA

Phone : +27 21 970 1500
Email : info@trizengineering.com

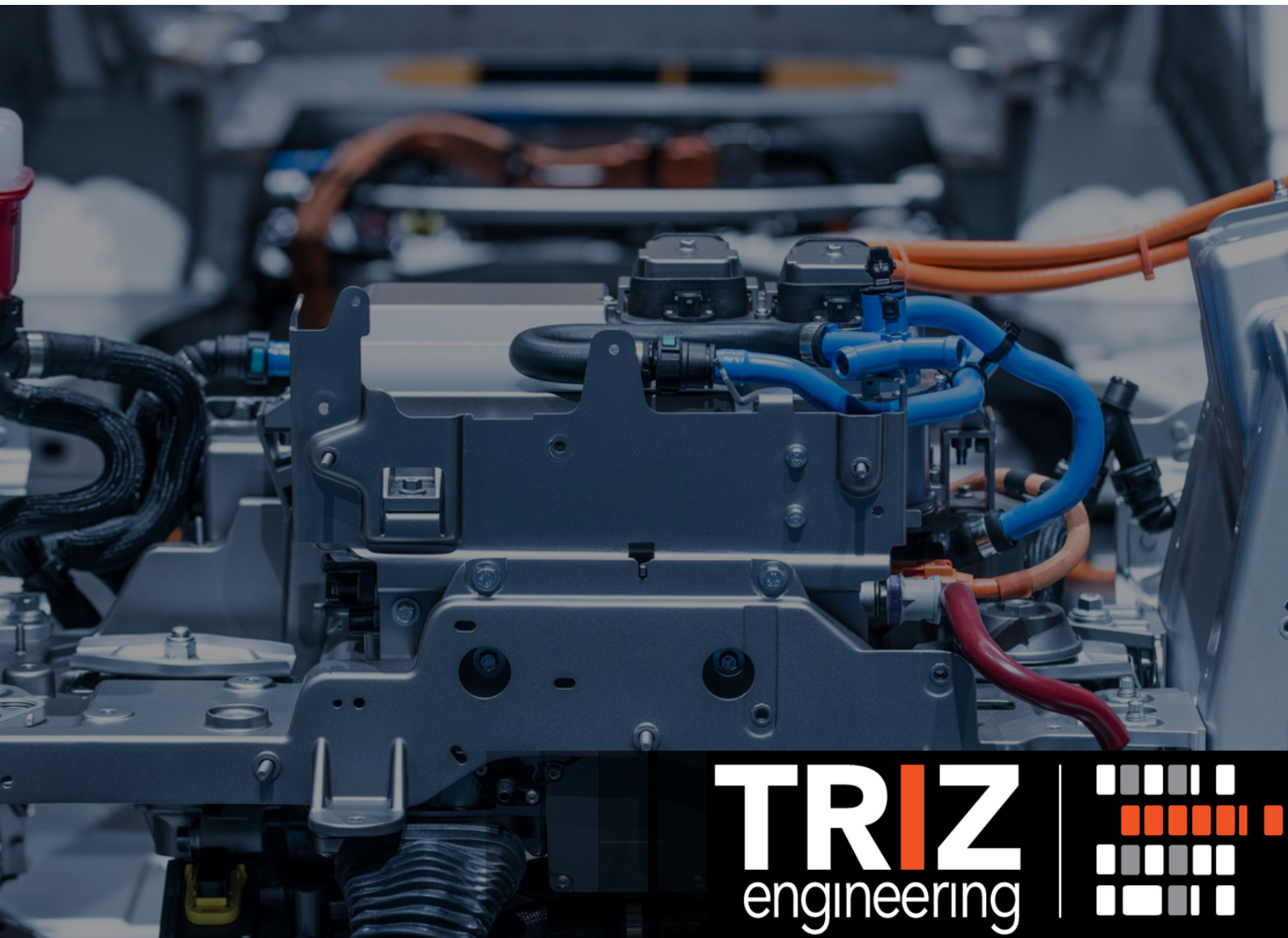
Triz® Engineering USA

Phone : +1 847 681 8417
Mobile : +1 847 668 5963
Email : vsundarraaj@trizengineering.com

Please visit our website for more information

www.trizengineering.com

Follow us on social media



TRIZ
engineering

