

THERMO-FLUID DYNAMIC SIMULATIONS

SERVICES and TURNKEY SOLUTION

- FAILURE ANALISYS
- DESIGN OPTIMIZATION
- PRODUCTION PROCESSES OPTIMIZATION
- DIGITAL TWIN

TISAX** certification pending

** Trusted Information Security Assessment Exchange

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APPLICATIONS



TRANSPORTATION

- Passenger cars, Motorbikes, Commercial vehicles
- Off-road
- Marine
- Aerospace
- Defense



GENSET



ENERGY

- Wind turbines
- Hydroelectric



INDUSTRIAL EQUIPMENT

- Factory and Plant
- Oil and gas
- Processes



HEALTHCARE

- respiratory devices
- oxygenator



CIVIL ENGINEERING



R&D COMPUTATIONAL FLUID DYNAMICS

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THERMO-FLUID DYNAMIC SIMULATION AREAS



- Conventional Fuel, e-Fuel, Bio-Fuels
- Heat Transfer and Thermal mgmt.
- Electrical characteristic
- Discharge modelling
- Churning losses
- Erosion/Soiling
- High rheology
- Aerodynamics
- Permeability
- Lubrication
- Cavitation
- Sloshing
- De-icing
- Fouling
- Spray

