

Ing. Josef Cadek

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Brief description of the TURBINE:

Semitrailer tractor design study:

Hybrid drive:

gas turbine-cng-generator-batteries-electric motors; ideal combustion at const. rpm; energy recuperation;

Power:

electric:4x90kW, turbine: 335,5-390kW;

DeDion rear axles:

low unsprung mass;

Safety features:

front and rear deformation zone, great view from cockpit, fatigue preventing workplace for driver;

Excellent aerodynamic characteristics (tested in wind tunnel):

$c_x=0,45$, very low crosswind sensitivity;

Spacious ergonomic interior with extensive equipment for sleeping, cooking and having a rest;

Styling:

Minimalism with biological inspiration;

Please contact me for more info