

elVaradero - 3D Printed R/C Modular Car



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Summary

elVaradero is successor of hydrogen powered race car Varadero.

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elVaradero is successor of hydrogen powered race car Varadero. Varadero is succesfull endurance race special equipped with hydrogen fuell cell and it competed in serials like H2AC and Hydrogen Cup. Endurance means that one round lasts for six hours of continous racing. Varadero is the blue one, because blue stands for hyfrogen. elVaradero is green because electric vehicles are green.

elVaradero is actually an acronym. El stands for electric, if it was powered by combustion engine it would be coVaradero. But coVaradero sounds dumb, so I made electric conversion. Var means variability. The thing is, I haven't designed it as hydrogen only car. But as a versatile chassis which would be easy to modify or tune. Like platform for your projects, autonomous car for instance. You don't have to design your own chassis and can concentrate only on your thing. Varadero is because I like to give

my creations special names. Check out Kevin:

<https://www.instructables.com/id/KEVIN-the-Full-Au>

...

or Clifford (once it will be available as instructable).

If you're still wondering whether to build this car, believe me, it's easy build. Everything fits together intuitively and car is made from the least possible parts.

For building instruction look on instructables.

<https://www.instructables.com/id/ElVaradero-3D-Printed-RC-Modular-Car/>

And don't forget to vote. Would really appreciate that.

Print instructions

Printed on Prusa Mk3. Tested PLA and PETG, both work just fine. Total print time should be about 20 hours. With 0.6 mm nozzle even faster.

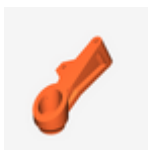
Model files



upper_deck_v1.stl



lower_deck_v1.stl



left_suspension_arm.stl



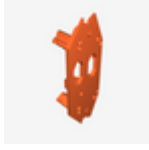
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left_shock_tower.stl



left_base.stl



lower_deck_front_axle.stl



right_lower_bushing.stl



upper_deck_front_axle.stl



left_lower_bushing.stl



right_upper_bushing.stl



left_upper_bushing.stl



engine_mount_3d_printer.stl



gearbox_cover.stl



bearing_holder.stl



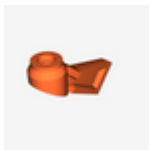
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esc_holder.stl



right_base.stl



right_suspension_arm.stl



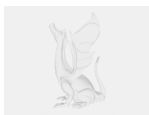
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for_long_shocks_right.stl



rim.stl



chassis.stp



rear_stiffener.stl



front_stiffener.stl



band_holder.stl



chassis.stl



middle_stiffener.stl



front_shock_tower.stl



ring-48mm.stl



tire.stl



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lower_deck_v1.stl



left_suspension_arm.stl



for_long_shocks_left.stl



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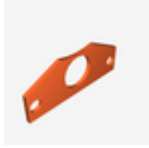
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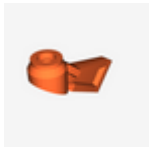
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