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Project ERA ONE

The folding electric motorbike

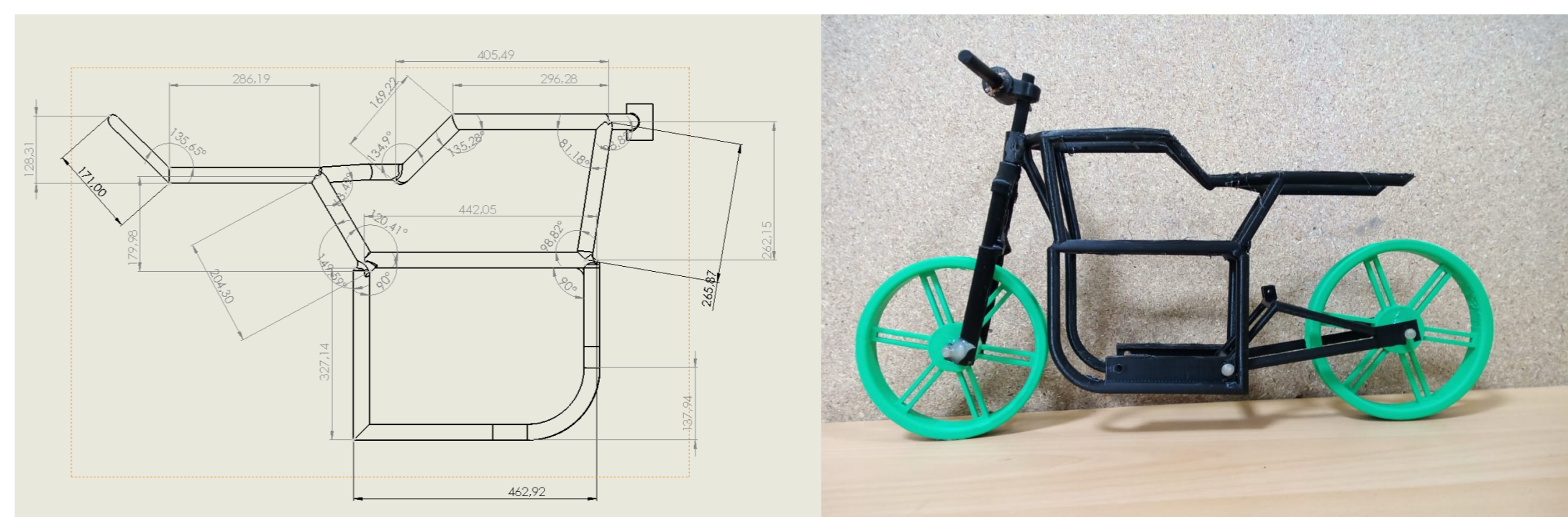


“The project is not the project.” The project is a pretext for teaching engineering sciences.

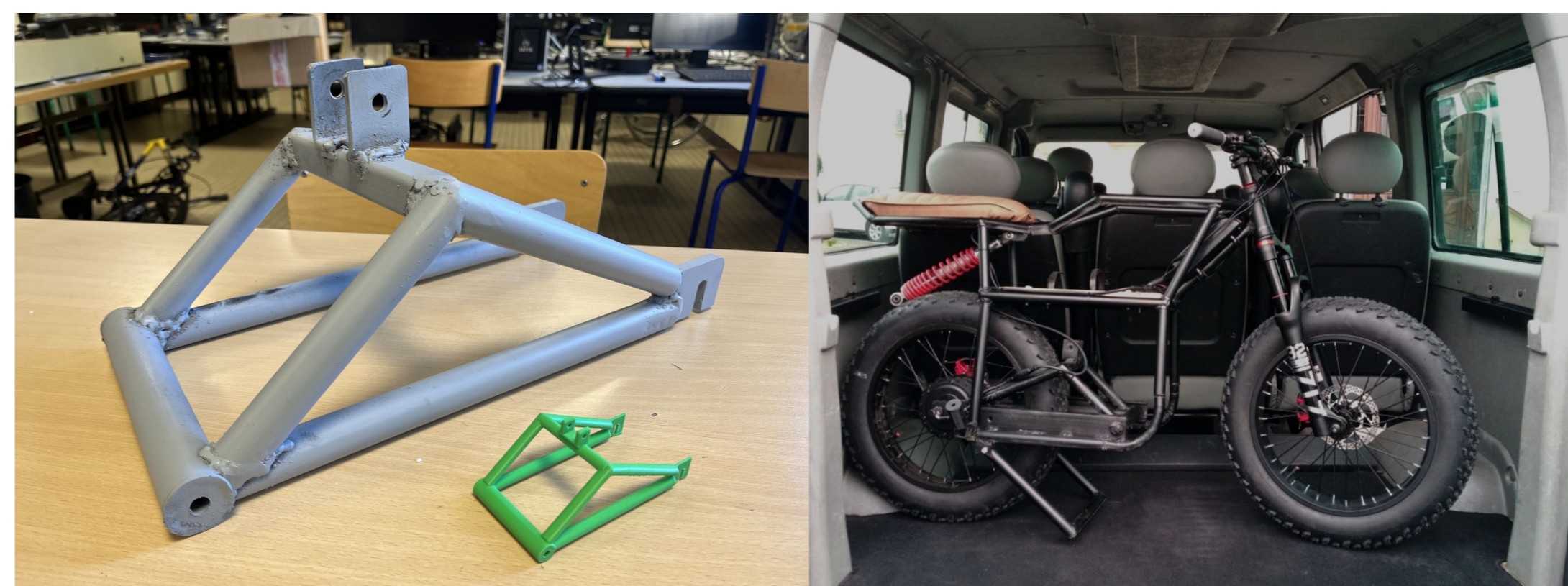
I asked my students to think about a project that could be carried out over a school year. The project had to be societal and innovative. To these prerogatives, they added that of eco-design.

They suggested this motorcycle : attractive to young people who live in an apartment as it is foldable and can easily be enter an elevator.

17 year-old students carried out everything themselves from conception to realisation of their ERA-ONE between September 2022 and april 2023.



Students carried out fonctional analysis, 3D design, calculation, 3D modeling, wind tunnel simulation...



...nomenclature, welded chassis manufacturing, mechanical assembly, electrical wiring, procedure tests



The current generation, more than any others, needs to feel the value of knowledge in order to make it their own. The project method is a demonstration of this. ERA-ONE is just one example.