pick-up-and-go GmbH

Enter a new dimension of travelling with HiCAD

„Travelling offers us the opportunity to remember relatively easily how extraordinary many things are," explains the Swiss philosopher Alain de Botton in a Goethe-Institut publication. His compatriot and HiCAD user Kilian Waldschmidt, founder and CEO of the start-up „pick-up-and-go GmbH", should like this statement. His profession is dedicated to extremely practical touring vehicles that can be flexibly adapted to the needs of their drivers thanks to their modular design. A new combination of cabin and hardtop that is unparalleled. Designed with HiCAD, the multi-industry-capable 2D/3D CAD software of the ISD Group, which supports the young entrepreneur from its sales office in Solothurn/Switzerland. ISD did not miss the opportunity to congratulate the winner of the HiCart competition - Your design is a true work of art - and to get a few answers to crucial questions in the process:

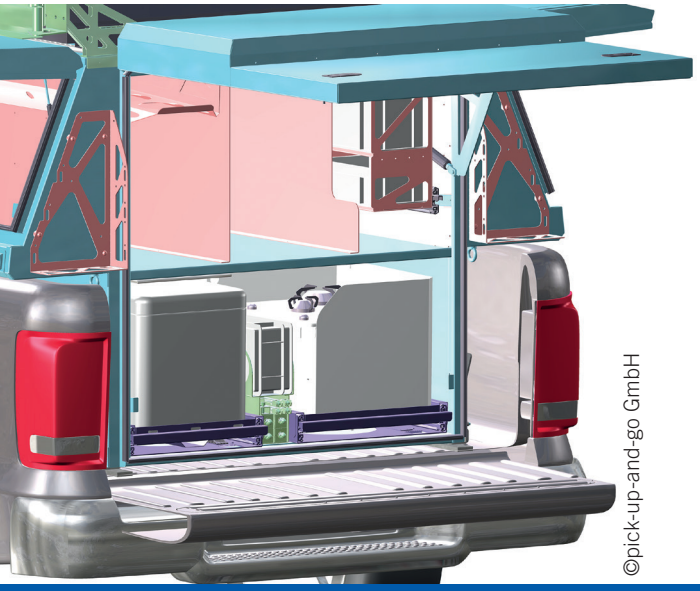
pick-up-and-go.ch
Travel + Explore

CUSTOMER INTERVIEW

ISD: How long has pick-up-and-go GmbH been around?
Kilian Waldschmidt: The first prototype of our special touring vehicle was created in 2015. Continuous further development and a consistently positive resonance led to the founding of pick-up-and-go GmbH in 2019. We are currently the only provider to offer a variable system for pick-ups, namely, our CabTop. This is half HardTop, half cab and offers customers a practical slide-in component for their touring vehicle without having to remove the cargo box. Our CabTop combines the best of both systems and thus enables variable use of the vehicle. In addition to the travel sector, we are also very new in the handicraft sector. Our CabTop can thus be used as a flexible workshop body or service body.

ISD: When and how did the cooperation with ISD begin?
Kilian Waldschmidt: I had already worked with HiCAD in my previous company. The contact with ISD was created there through the training courses. The cooperation with ISD and pick-up-and-go GmbH began in 2019, directly after the establishment of my business. In response to my email enquiry, Toni Mitrevski, Managing Director of ISD AG Switzerland, contacted me immediately and arranged an appointment. In the conversation and the following consultation, ISD made me an offer with the optimal solution for our purpose.

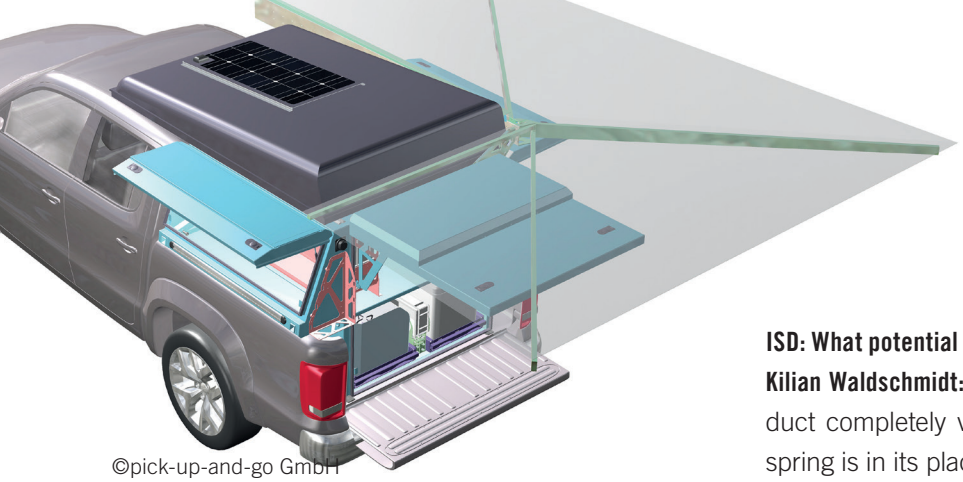
Which HiCAD modules do you use and what special requirements do you have for CAD designs in your industry?
Kilian Waldschmidt: We use the Mechanical Engineering suite premium module. With this application, we have covered pretty much everything that we can encounter in our daily design work: Sheet metal processing, mechanical work and various tools for free modelling. In our industry, a wide variety of trades are combined. Starting with wood, plastic and metalworking to mechanics, electrics - and the whole construction as light as possible and in a classy design. Examples worth mentioning are, for example, the stainless steel tubular frame and the aluminium sheet constructions - such as the kitchen pull-out. Likewise other materials used in our products - such as roof tents. All these areas have to be taken into account.


©pick-up-and-go GmbH

ISD: Speaking of your daily design work, which functions would you definitely not want to miss?
Kilian Waldschmidt: I really enjoy working with the Feature Technology module. With this tool, the entire design process is logged so that I can change each step subsequently via the integrated feature browser. If the change only affects a single design step that occurred early in the modelling process and has little impact on the rest of the geometry of the part, I don‘t have to work through the entire modelling log. I also consider the large parts catalogue from various industries to be another important component for an efficient workflow. Since we have a lot to do with mechanical details, it must be possible to insert the parts quickly and easily.

ISD: Does the topic of „automation in design“ play an important role for you?
Kilian Waldschmidt: Absolutely. I am currently working on introducing parameterisation for one of our first products. This means that the product can be adapted to different sizes or different vehicles with just a few mouse clicks. This reduces the planning time for the different models enormously.

ISD: How do you generate your production documents?
Kilian Waldschmidt: We have run our entire office without paper since the company was founded. With the exception of a few important documents, which we still file in folders, we scan delivery notes, invoices and the like and file them electronically. We would also like to implement this for the plan output, so that plans and part details can be called up on a tablet at any time during production. For this purpose, we recently acquired a robust tablet that provides the required information at any time via our server during the production processes in the workshop.



©pick-up-and-go GmbH

ISD: Do you also use HiCAD at other locations?
Kilian Waldschmidt: Yes. We also use our HiCAD licence, which is stored on a laptop, at customers' sites to show certain details or to optimise the consulting.

ISD: What has been your biggest project so far that you have implemented with HiCAD? Were there any challenges you faced?
Kilian Waldschmidt: Yes, there definitely were! Our biggest project so far, as mentioned at the beginning of our conversation, is our CabTop. Its prototype was based on an incomplete 2D CAD drawing. Since the first orders had already arrived and required a quick start to production, a semi-finished design had to be imported in STEP format for the first time and reworked by a partner company. The most important parts had to be redrawn or completed quickly and without errors in order to get into production. Gradually, I was able to optimise the design through digitally executed work steps, which demanded a lot from me as a trained metalworker but unskilled draughtsman and was not always a pleasure. I had to invest many hours in tutorials and research, but thanks to the intuitive administration tools of HiCAD and its user-friendly structure, I quickly learned more functions to complete my digital model. In the meantime, I have mastered all the functions that are important for my work, which makes me enjoy using the program almost every day.

ISD: Allow us to take a brief look back at the time before HiCAD. What was the design process like before the introduction?
Kilian Waldschmidt: Before HiCAD, I occasionally drew with a CAD system that was not designed for 3D. The output was not really efficient and the possibilities were very limited. The complicated sheet metal shapes with all the connections and bending edges could not be planned properly. A new solution had to be found really quickly.

ISD: What potential did you see in HiCAD?
Kilian Waldschmidt: HiCAD allows me to design my product completely virtually. Here, every screw and every spring is in its place. Compared to a 2D programme, the advantage of a combined 2D/3D CAD software is the vivid visualisation: I can move and rotate the product as I wish and insert it into a 3D model of the pick-up to better analyse the design and detect possible collisions. The possibility to virtually draw the model 1:1 with all components, no matter how small, is an enormous added value and ensures more safety already in the planning phase.

ISD: Does HiCAD help you save time?
Kilian Waldschmidt: A lot. Thanks to problem-solving-oriented and efficient planning in advance, the time spent in the workshop could be reduced to a minimum.

ISD: Give us a brief insight into a typical project! What is the process like from design to delivery?
Kilian Waldschmidt: First, a rough sketch is made on paper with ideas, suggestions and notes. Then we do some first modelling in HiCAD. Important mechanical components such as gas cylinders or pull-outs are roughly planned and checked for their function and dimensions. Material is defined and sheet metal hinges or covers are roughly drawn. Once this first draft has been completed, material enquiries are made in order to obtain a cost picture. All costs from suppliers are entered into the calculation. Based on this final price, there is usually another basic design procedure. Once this has been completed

©pick-up-and-go GmbH

satisfactorily, the design is finalised. For the prototype, usually only simple plans are drawn up. The findings from the built prototypes are directly incorporated into the design. A second prototype is built before the product is advertised and included in the portfolio.

ISD: Looking back, how do you assess the introduction of HiCAD?

Kilian Waldschmidt: The introduction of HiCAD consisted of individual lessons totalling 3 x 5 hours, which was very goal-oriented and gave me - especially at the beginning - the security I needed. I am also a member of the User Club HiCAD Switzerland, where we discuss innovations and possibilities every year. Suggestions and brainstorming are on the agenda at these meetings.

ISD: What do you recommend to other companies that want to reposition themselves in the field of CAD?

Kilian Waldschmidt: The orientation should be long-term. The integration of 3D, point clouds or other interfaces will become increasingly important in our digital world. A software with such potential and possibilities is one of the most important cornerstones for me.

©pick-up-and-go GmbH

In Kürze:

- pick-up-and-go GmbH
- Industry: Fehicle construction, mechanics, metalworking, product development
- Software: HiCAD
- Services: Changing systems for pick-ups
- www.pick-up-and-go.ch

Success needs a strong partner

Check out our portfolio of software solutions. We will be delighted to demonstrate the advantages of our products in a personalized presentation or a free one-to-one consultation. Do not hesitate to contact us – we'll be there for you!

ISD Software und Systeme GmbH
Tel.: +49-(0)231-9793-0
Mail: info@isdgroup.com
Web: www.isdgroup.com

Version 25-122-019