4 Advantages of Virtual Prototyping

Virtual prototyping delivers crucial optimisation within the business, ensuring better collaboration between the panel building department, engineering and other downstream processes.
The popularity of the method is due to the many attractive advantages it offers to both the business and the customer.

1 A better product

By combining engineering and panel building within virtual prototyping, you bring the knowledge of the panel builder closer to the customer. Involving the panel builder early in the process enables him to bring all his knowledge alongside the customer's proposed changes is what will lead to a better product.

2 No surprises

Virtual prototyping allows you to show the customer a 3D design of the enclosure much earlier in the development process. Instead of a photo after that, the customer sees what the cabinet will look like in advance. The customer can then give their feedback before the cabinet is built.

3 Lower costs

Thanks to virtual prototyping, any design errors can be detected and corrected at a much earlier stage. This is of course much cheaper than making changes on the shop floor later. In addition, virtual prototyping is much faster and therefore much cheaper than the traditional method of cabinet layout in the workshop.

4 Perfect documentation

In traditional panel building, last-minute changes often do not appear on the final drawing. With a bit of luck, an 'as built' picture will be added to the documentation. With virtual prototyping, you are ahead of this. The 3D model of the cabinet can be easily adapted, preventing the need for later changes in the workshop. The customer will also receive a drawing that is 100% in line with reality.

Overall, virtual prototyping enables you to make better use of your panel building knowledge within the development process, making you more valuable to the customer.

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