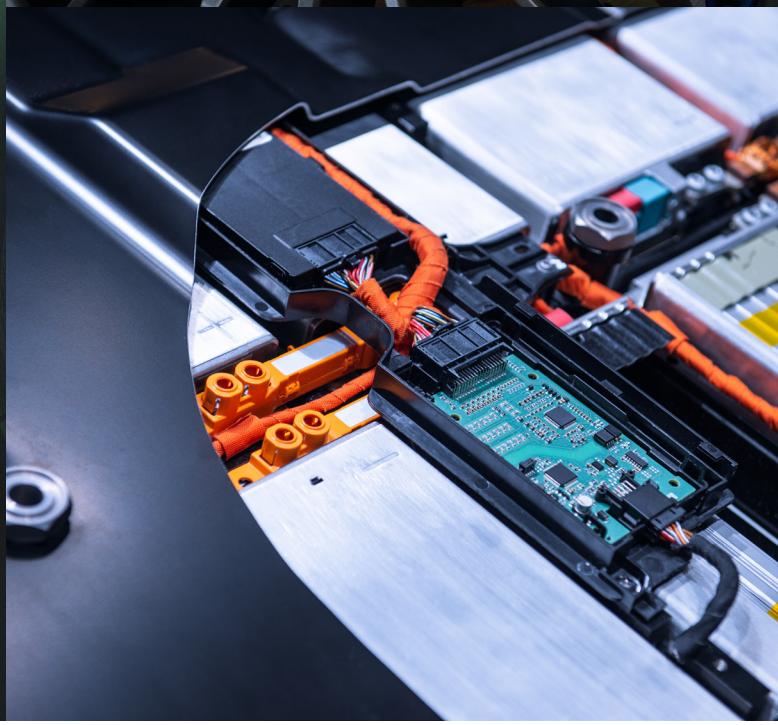
NEURAL CONCEPT

Staying ahead of the revolution in the automotive industry.

Real-time predictive simulations with Deep Learning.



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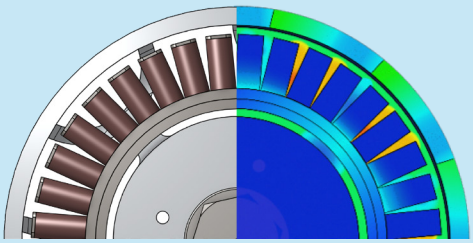
Shortcut the simulation chain

Empower your designers with real time simulation capabilities...
without compromise or more cost.



Raw CAD → **10 runs / sec** → Post-processed simulation result

From CAD to decision metrics without waiting.

Make simulation accessible to all engineers and designers.

Emulate any high-fidelity simulation pipeline.

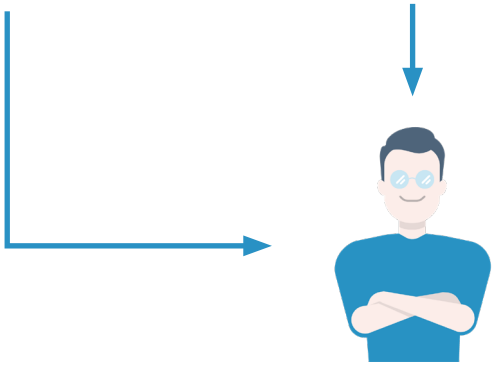
NCS: the engineering software made from Deep-Learning

Far better designs generated by a computer, in production. It is now real.

Exploit unstructured CAD & simulation data with arbitrary topologies

Use Deep-Learning for generative design

Didactic and open software



Predict thousands of operative conditions in a few seconds.

Create designs beyond human cognitive capabilities thanks to Deep-Generative models.

Spread this capability across your company.

Neural Concept

is bringing this revolution to your desktops:

Make process smoother

Enhance product performance

Drasically accelerate RFQ response time

The **Automotive Industry faces unprecedented challenges** while major technological transformations need to happen under time and cost constraints, which sets pressure on the whole chain of suppliers.

Fortunately, recent advances in AI are coming to help, by unlocking the possibilities of CAE, making it available to a vast audience of engineers within top organizations.

Why Neural Concept?

Neural Concept is a Swiss-based company that offers the first-ever deep learning-based software solution dedicated to Computer Aided Engineering and Design. Neural Concept Shape (NCS) is a unique Deep Learning based-software for enhanced engineering. It leverages on industrial CAE data to efficiently assist engineers during the product design stage.

NCS's engine cuts simulation times to milliseconds. Therefore, it can be used as complements to the traditional numerical simulation and experimental methods so as to alleviate the need for actual simulations or to avoid iterations between design, simulation and measurement teams. This dramatically accelerates and reduces the cost of the design process. NCS's algorithms can also learn to generate new geometries that engineers may not have previously considered, allowing to reach unprecedented levels of performance and providing an intuitive approach to product design.