



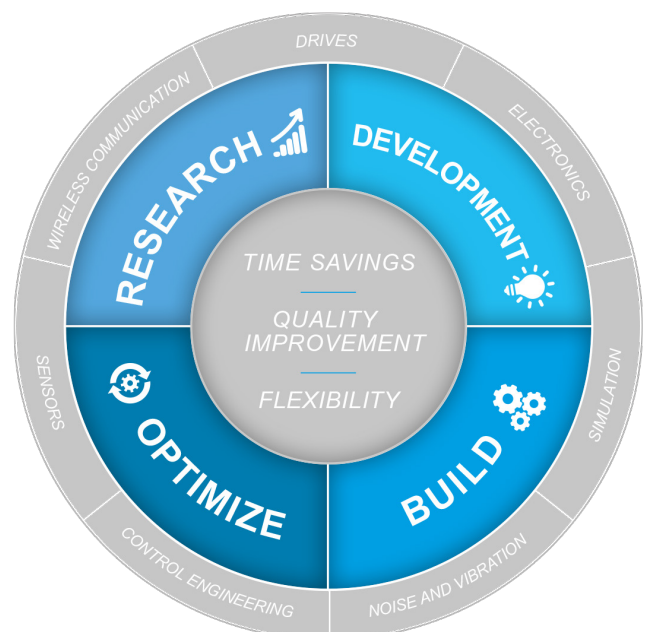
## Digitization in Technical Product Development

SyMSpace is an easy-to-use software platform that makes it possible to carry out digital development or optimization of mechatronic components and systems from the design stage up to prototype testing.

# SyMSpace

## YOUR BENEFIT

- SyMSpace reduces expensive development time. The costs of product development drop considerably.
- Thanks to its modular structure, SyMSpace has clear functionality and you have the option of extending individual functions if so desired.
- Using standard interfaces, you can easily integrate different simulation tools.
- SyMSpace is cloud-based, which means that it is available to users at any time without needing their own expensive infrastructure.
- SyMSpace can be used within the scope of a pay-per-use model. You only pay for the functions that you actually use.



**We will be glad to give you more details. Just get in touch with us.**

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## OUR SOLUTION



# SyMSpace – the intelligent Development Center

The SyMSpace digital development platform includes Component Space, Tool Space, and SyMSpace Center.

In **Component Space**, the model library, users have available finished digital models of mechatronic systems and components. This model library is being extended continuously by LCM and users who have released their models.

The **Tool Space** contains a wide variety of different software tools for design, calculation, and simulation. The project currently supports several CAD systems (e.g. ProEngineer/Creo, SolidWorks, FreeCAD, ...) as well as finite element solvers (e.g. Ansys, FEMM, HotInt...) and other engineering tools (e.g. Matlab Simulink, LTSpice, X2C, ...). Embedding of Java and Python functions means that SyMSpace also offers flexible expansion options.

In the **SyMSpace Center** – the “work bench”, digital models from the Component Space are linked together into a workflow. This means that you can use SyMSpace to configure an automated development loop consisting of design, optimization of the design, simulation under a wide variety of different boundary conditions, and adaptation of the design based on the simulation data. With large-scale simulations, you can customize computing resources (local CPU, LCM cluster cloud). It is possible to access SyMSpace and its software tools across the internet by means of an online portal. A number of international companies are already using SyMSpace successfully.

