mapp Technology
The future of software engineering

Experience mapp Technology

"*mapp Technology* gives you the *freedom* to focus on *innovation*. We make *complex* engineering tasks *simple and intuitive*. That's what *mapp* is all about."

Christoph Trappl
Manager, International Applications

Develop 3x faster

Accelerate your development cycles with modular, intelligent software. mapp components communicate with each other automatically and save you time and money.

Gain time for innovation

Focus on optimizing your machine processes and give innovation the attention it deserves. With mapp Technology, we free up the resources you need to make it happen.

Lower lifecycle costs

Benefit from a constantly growing range of functions. New mapp components are compatible with existing ones, and B&R handles all of the software maintenance.

Use the latest technology

mapp Technology makes complex technology like robotics and advanced control simple and intuitive.
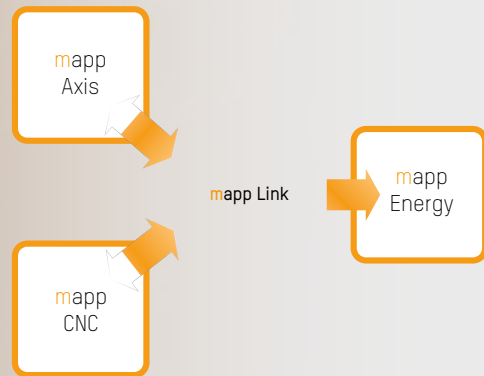
Time for what counts

mapp is revolutionizing the creation of software for industrial machinery and equipment. mapp components – mapps for short – are as easy to use as a smartphone app. Rather than write lines and lines of code to build a user management system, alarm system or motion control sequence from the ground up, developers of machine software simply configure the ready-made mapps with a few clicks of the mouse. Complex algorithms become easy to handle, and programmers are able to focus their full attention on the machine's value-adding processes.

The mapps are fully networked and exchange data automatically using mapp Links. This lets you do things like set up an entire energy management system with a few mouse clicks:

mapp Axis → mapp Link → mapp Energy

When you add the mapp Energy component to the application, it automatically retrieves the energy data it needs from all the axes.

mapp Axis
mapp CNC
mapp Link → mapp Energy

If a new axis or entire CNC system is added, mapp Energy automatically retrieves its energy data.

Software quality guaranteed

mapp components are created following the principles of agile software development – with a focus on quality. Test-driven development means that automated testing is performed as early as possible to streamline availability. Tests are performed at five different levels and new tests are added all the time. Additionally, each new or modified function is developed according to the two-man rule. All of these practices contribute to guaranteed high software quality.

mapp
TECHNOLOGY

Always the right choice

mapp SAFETY Maximum productivity through integrated safety technology. mapp Safety covers the entire spectrum, including safe axes and robots. Safe machine options can be enabled or disabled in the field.

mapp SERVICES Set up the core functionality of a machine or line with just a few clicks: recipe management, alarm system, OEE analysis, user-role system, audit trail, energy monitoring, database system and much more.

mapp CONTROL Complex control algorithms in the form of easy-to-use software blocks. Crane control, hydraulics control, filter design, closed-loop design and much, much more. Advanced technology made accessible for the average user.

mapp VIEW The only HMI solution on the market that works independently of platform and operating system. Create modern HTML5 applications with ready-made widgets.

mapp MOTION mapp Motion provides uniform solutions for all areas of motion control: from individual axes to multi-axis systems and even complex robotics and CNC applications.

B&R is constantly adding new mapp functions. For more information, visit **www.br-automation.com/mapp**.

Maximum flexibility

Implement any combination of mapp Technology and your own process software. How much B&R know-how you choose to integrate in the form of mapp components is entirely up to you.

mapp Technology comes in the form of plug-ins for Automation Studio – B&R's integrated environment for engineering, diagnostics and maintenance. All IEC 61131 programming languages as well as C and C++ are supported.

Highlights

→ Simple as smartphone apps
→ Automatic communication between mapps
→ Manage machine variants with ease
→ Integrate with existing know-how as needed

Integrated automation
Global presence
Solid partnership

ETHERNET
POWERLINK

open
SAFETY