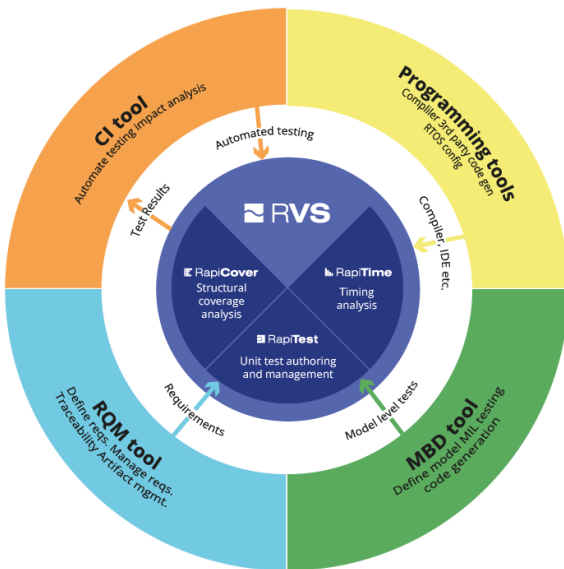# Why choose Rapita?

Reduce your verification effort

Rapita's tools and services are designed to reduce the effort needed to verify safety-critical code. Rapita's flagship verification toolsuite, R**VS**, improves project efficiency no matter which verification activities you're pursuing.

The key effort-saving features of R**VS** are qualified for use in DO-178C projects, so whether you need automatic merging of coverage data from multiple reports, to mark your code as covered by analysis, support for collecting results across multiple builds, or simply the ability to write your functional tests the way you want to through different test formats, R**VS** has what you need.

Our services are designed to support you. Whether it's our integration services, which ensure efficient integrations of R**VS** with your existing development environment, software V&V services, or multicore timing analysis services, we're always working hard to reduce your verification effort and costs.

> "Along with other efficiency improvements, Rapita's structural coverage analysis solution increased our end-to-end test speed by ~40% when compared with our previous approach, which will let us produce verification evidence faster and reduce downstream certification costs."
>
> **Anders Edfors**
>
> Attitude and Orbit Control Systems Specialist
> **OHB Sweden**

Flexible solutions

We provide flexible solutions that work around your existing systems and processes, including any configuration management, continuous integration and requirements traceability solutions you're using.

We're proud to say that we can find a solution to integrate our R**VS** software to work with almost any embedded target environment, providing an efficient, low-overhead solution even where systems have resource constraints.

> "Rapi**Cover**'s very low resource requirements were the difference between success and failure to gather the data needed to support our certification."
>
> **Andrew Porritt**
>
> Software Quality Manager
> **Pilatus**

Augment your engineering capabilities

We provide a range of services to help you augment your engineering capabilities and can support most activities in your project, including systems engineering, hardware engineering, code implementation and code optimization (e.g. for worst-case timing behavior), V&V including multicore timing analysis, and tool qualification. Whether you're looking for a handful of engineers to support an existing project, or a team to do the work for you, we can provide a solution that works for you.

> "We approached Rapita looking for a complete end-to-end solution for software verification. Rapita delivered this and has also performed a range of system-level activities. We've appreciated Rapita's responsiveness from the get-go and the obvious benefits of having testers and tool provider under one roof."
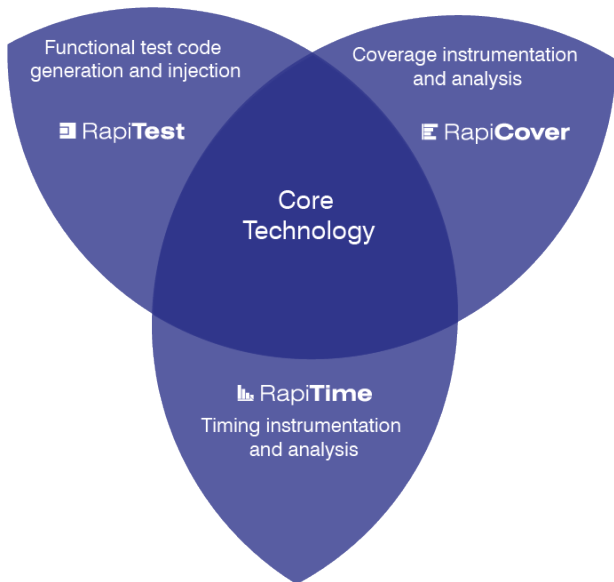>
> **Jim Pettinger**
>
> Director of Electronic Systems
> **Triumph Integrated Systems**

Cut certification risk

Our motto is "Safety through quality", and quality is central to everything we do. That's why we put so much effort into ensuring that our qualification kits and services are the best around.

RVS Qualification kit

The key time-saving features of R**VS** are qualified, as are the R**VS** instrumenters, so there's no need to manually review your instrumentation.

> "The quality and ease-of-use of Rapita's Qualification products and services is second to none and made the adoption of R**VS** simple and pain-free."
>
> **Kyle Ford**
> Principal Software Engineer
> **Collins Aerospace**

World class support

We're proud to say that we go above and beyond to support our customers. Whether it requires our team working outside office hours to support customers on the other side of the world, or takes scores of emails to troubleshoot an issue, we go the extra mile to ensure that you get what you need every time.

> "We have been impressed with the R**VS** toolsuite and really appreciated the high-quality, efficient support offered by the Rapita support team. Technical challenges were solved quickly throughout the project, from initial integration through to target qualification testing.
>
> The team made sure we had a clear path to success underpinned by a solid integration and were always available when needed."
>
> **Corey Hawkens**
> Senior Principal Software Engineer
> **Collins Aerospace**

Join the cutting edge of verification solutions

Our origins are in academia, and we maintain close ties with universities and regularly take part in Research & Development projects.

With around 30% of our staff holding PhDs in STEM subjects, we stay on the cutting-edge of verification solutions, and we're constantly working towards the next solution that can bring real benefits to the safety-critical V&V domain.

As well as constantly developing our main products such as R**VS**, Rapi**Daemons** and the **MACH**[178] solution, we develop custom tools to meet specific needs.

> "It was the combination of static and dynamic analysis that attracted us. We were concerned that an approach that relied only on static analysis was dependent upon getting the model of the hardware exactly right. Rapi**Time**'s ability to measure code executed on the target hardware removes that risk from the outset."
>
> **Wayne King**
> Engineering Fellow
> **Rapita Customer**