

AIAM MEMBER HIGHLIGHT



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Rapita Systems is the leading supplier of software verification tools and services to the global safety critical aerospace and automotive electronics industries. We help to increase software quality, deliver evidence to meet safety and certification objectives and reduce project costs. The Rapita Verification Suite (RVS) makes software testing more efficient and reliable. It integrates with existing development environments and offers flexible, low overhead strategies to collect verification data including unit test, structural coverage and worst-case execution time data from the most complex targets including multicore processors. RVS was designed with safety in mind and is qualifiable for use in environments such as DO-178C/ED-12C and ISO 26262. Supporting its position as a key provider of verification solutions, Rapita Systems provides expert multicore timing and V&V services aimed at safety or mission-critical environments, supporting a range of activities including unit, integration, system and acceptance testing, timing analysis and optimization (for both single- and multi-core systems), compiler validation and assurance services.

Rapita companies are wholly owned subsidiaries of Danlaw, Inc. <https://www.danlawinc.com/>.

Rapita Systems, Inc. (RSI) was formed in July 2020 as a sister company to Rapita Systems Ltd. (RSL) in York, UK, which was founded in 2004 as a spin-off from the University of York. RSI supports sales of products and services in North America. The majority of its customers are defense OEMs and prime contractors. RSL is responsible for R&D for our RVS tool suite. In November 2022 Rapita Systems SL (RSS) was acquired, a key supplier in Barcelona, Spain which was a spin-off from the Barcelona Supercomputing Center, a public research center (<https://www.bsc.es>), expanding the specialized multicore verification expertise within the Rapita Systems group and serving as its Hardware Center of Excellence.



TOTAL NUMBER OF EMPLOYEES

85

Number of employees engaged in your aerospace activity?

All 85 total employees. Aerospace amounts to 95% of our revenue.

WHAT ARE SOME OF THE ECONOMIC IMPACTS OF YOUR COMPANY BEING LOCATED IN MICHIGAN?

"Our settling in Michigan is largely a result of co-locating with our parent company, Danlaw, Inc., an automotive electronics supplier. Most of our customers are located outside Michigan as embedded systems development for US aerospace and defense are typically clustered in other areas of the country. However, there is a huge engineering talent base located in Michigan that serves the automotive industry. We are successful in recruiting excellent talent from automotive companies for people who are interested to work for a technology company in the aerospace industry where quality and safety are never compromised. We also attract top talent from University of Michigan, arguably one of the top universities in the nation for engineering."

WHAT OPPORTUNITIES DO YOU SEE EXIST IN MICHIGAN FOR THE AEROSPACE INDUSTRY?

"Michigan has the most engineers per capita in the USA and also a great manufacturing base that serve the automotive industry. As more companies look to diversify from their automotive only business, as evidenced by the growing roster of companies joining the AIAM, the airframers and primes will become more aware of the resources available in Michigan. Another driver is the recent supply chain disruptions and concerns about tense international relationships. This will drive more manufacturing in the USA and Michigan will get its share. Most aerospace business in Michigan is supporting durable manufacturing, but companies like Rapita and a few others in the electronics and software area also have good opportunities to rise with the tide."



WHAT HAS BEEN, IN YOUR OPINION, YOUR COMPANY'S GREATEST ACCOMPLISHMENT?

"We have put together the best minds in the world that have a background in multicore timing analysis and have a significant R&D investment to develop a commercial solution addressing a disruption in the aerospace industry where these complex systems are being deployed. Rapita is the only company in the world to offer such an end-to-end solution. Using multicore microprocessors provide a great performance advantage, but also creates more risk as there are shared resources used amongst the CPU cores."

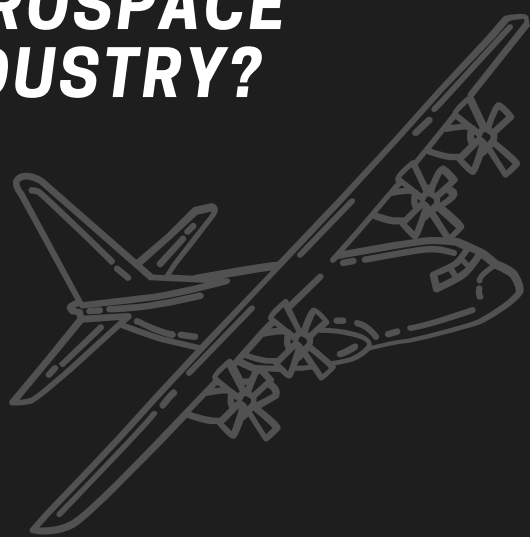
WHAT ARE YOUR GOALS AND VISION FOR YOUR COMPANY OVER THE NEXT FIVE TO TEN YEARS?

"Over the next five to ten years we plan on strengthening and growing our current operations, expanding our customer base, continuing to 'teach the trade' to the next generation of skilled workers and carrying out our succession plans to ensure we have a sustainable business that continues into the next generation."

HOW DOES THE AEROSPACE ASPECT OF YOUR BUSINESS BENEFIT FROM THE AUTOMOTIVE INDUSTRY IN MICHIGAN?

"Access to engineering talent."

AS AN AIAM MEMBER, WHAT DO YOU SEE AS SOME OF THE BIGGEST CHALLENGES FACING MICHIGAN AND THE AEROSPACE INDUSTRY?



"Awareness of the engineering talent and manufacturing resources in Michigan. The AIAM and MEDC are both trying hard to publicize the advantages to working with Michigan companies, but I think there is more our state representatives can do to bang the drum. Another important aspect is the understanding of the aerospace business both from a marketing standpoint and in particular government regulations. Becoming a defense contractor is not an easy task. Complying with DoD regulations for contracting and cybersecurity of sensitive information is both complex and costly."