

Veltronix - Services page

Veltronix works with you to provide software development support customised to your needs. Benefit from our world-class experience, technical expertise and out-of-the-box problem solving skills as we bring your ideas to life.

Our four key services include:

1.Application Development – Do you need new or improved software application? Our Application development team can help you in everything from creating new software to optimising and upgrading existing versions. We specialise in developing comprehensive software specifications by analysing requirements and identifying multiple problem solving approaches. We are experts at designing cutting edge real time applications along with their underlying hardware accelerators. Our technology consultants can optimise both application software and your hardware design – giving you the best of the worlds.

We can assist you with:

- Requirements gathering and application design.
- Adding new functionality to existing systems.
- Increasing processing speeds of existing applications.
- Run-time profiling and optimisation for enhanced performance.
- Hardware accelerator design and development.

2.Simulation Software Development - Do you need assistance with real-world or system simulations? Our multi-domain experience across a wide range of industries along with our innovative in-house technology makes us the ideal partner for all your simulation needs. Our detail-oriented approach, problem solving skills and knowledge of simulation tools will help you create a magical virtual reality non-distinguishable from the real.

We can assist you with:

- Mechanical systems and control simulation
- Electronic systems and control simulation
- Real-time application simulation modelling
- General simulation software
- LiDAR data Simulation

3.Software Development Process Consulting – Do you have the best engineers and quality analysts but are unsure of your processes? Veltronix consultants can provide training and support for making your teams more efficient, more productive and more responsive to changing requirements. We can assess your entire application suite and provide invaluable input to help you take the most profitable software development decisions. Don't waste money in making and correcting wrong technical choices – let us take away the hassle from your software development!

We can assist you with:

- Improving software development processes.
- Establishing Model Based Development (MBD) processes.
- Building reusable tools that reduce development time.
- Software application assessment for hardware acceleration
- Identify and solve root cause of poor software system performance

4. Software Research Projects – Do you need assistance converting solid research data into market ready products? Having researched and built our own innovative products, we have in-depth experience in translating academic study to commercial products. We can help you bridge the gap between theory and practice, solving real-world problems that occur outside of controlled lab settings. Our extensive ties with academia including university partnerships and cutting edge research participation ensure that you can trust us with your innovation!

We can assist you with:

- Converting research findings to product implementations.
- Identify research direction for solving a real world problem.
- Physics and mathematically modelling for your application.
- Research consultation that balances academic knowledge with commercialisation.