



Current Vacancies:

Senior Controls Engineer

A vacancy has arisen for Senior Controls Engineer in the Mechatronics & Controls Department.

Our heritage in motorsport sport is unrivalled driven by a passion for innovation and performance.

As a result of our ongoing success and leading product development capabilities, we are looking for **Senior Controls Engineer** to join our AP Racing Family.

The successful candidate must be a motivated individual who shares our drive and will continue to contribute to our growth and expansion into mechatronics. In return, we offer our colleagues the support to deliver to the best of their abilities.

AP Racing is proud to be an equal opportunities employer and is committed to ensuring no less favourable treatment is experienced by any employee or prospective employee.

Key Activities:

- Responsible for mapping and delivering AP Racing's future mechatronic product portfolio alongside business development function,
- Develop working partnerships with key suppliers and customers aligned to the product strategy.
- Responsible for the definition, design and delivery control functions including requirements, interfaces and algorithm components.
- Problem solving within a small dynamic goal orientated team.
- Conduct Component testing using MIL and SIL techniques.
- Testing of SW components within the system on the HIL bench.
- Verification and validation of SW component against requirements.
- Ability to work cross-functionally to deliver software components as required.
- To embrace new technology including new software whenever required by the business, ensuring the implementation of relevant new technologies and investigating solutions to complex problems.
- Support other teams and functions as required by the business.
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Competencies and Skills Required:

Degree background with an MEng or PhD in Mechanical or Control / Software Engineering or related discipline.

5+ Years' Experience within motorsport or automotive industry specifically vehicle control systems.

- Good communicator and proficient directly interfacing with customers.
- Experience of using Simulink and Stateflow to deploy code to hardware for real-time control applications.
- Must be able to create good presentations
- Experience with embedded coder for C code generation.
- Familiarity with MiL, SiL, Hil, PiL testing techniques for unit & system test.
- Experience using vector tools such as CANape, CANalyzer.
- Understanding of V Model Workflow, Aspice and iso26262 functional safety.
- Experience of working with real-time hardware interfaces (e.g. dSpace).
- Flexibility to take on tasks outside of comfort zone – quick learner in a fast-paced work environment.

As AP Racing is an international brand, you will be expected to go out and meet new prospects within UK, EU and worldwide – You therefore must be comfortable with regularly meeting and working with new contacts.

There is the potential for extensive travel but as the manufacturing facility is based in the West Midlands it would be ideal if you were within an hour's commute of Coventry.

Please apply by e-mailing an up to date CV to Megan Hurley, megan.hurley@apracings.co.uk
HR Assistant.

Applications to be received no later than 17.00 hours on **Friday, 28th May 2021**