The Engineering System Solutions Group – ARM/SDK Team

The Renesas ARM/SDK team work in the System Solutions Group to provide embedded software development solutions to partners in both industrial and automotive areas. This may be either by direct customer engagement, or indirectly as part of a wider program to bring comprehensive software support to the latest processors coming to market.

Often working closely with customers to define functional behaviour, we create prototype software systems to accelerate their first sample product creation. This early working involvement invariably continues right through full system development, to the release of commercial products into the marketplace.

Typically developing for either a commercial RTOS, or a bare metal environment, our focus is on delivering product level software to support the optimal feature set for a given application. Coupled with the very latest high-end microprocessor devices this is a challenging but rewarding environment and offers real exposure to the commercial product development cycle. This broad scope can see us developing everything from a complete package of hardware drivers under a safety critical RTOS, to a comprehensive low level secure boot system manufactured into silicon.

Previous placement students have worked as an integral part of the development team to provide software systems for such applications as connected car audio systems, graphical dashboard clusters, and end solutions for realising a secure hardware boot process designed to be resistant to today's increasingly commonplace malicious attacks.

We are looking for candidates with a keen interest in real-world embedded software development, to join a supportive team environment. Working very closely with the microprocessor hardware, an understanding of peripheral interfaces and operation is key, as are good communication skills, to work effectively with colleagues locally, across Europe and Japan.