



The Engineering System Solutions Group – Eclipse Team

The Eclipse team work are a software tools team that specialise in embedded tools development. This team works on the latest Renesas Integrated Development Environment (IDE) which allows customers to create, build and debug their application software on Renesas devices.

This role is focused on the development and enhancement of the IDE user interface to support new devices and features within the IDE product on the Windows and Linux OS. The product is the e² studio development environment which is based on the open source Eclipse tool. An overview of this can be seen here:

<https://www.renesas.com/en-eu/products/software-tools/tools/ide/e2studio.html>

We are looking for candidates with strong software engineering backgrounds to join our Bourne End office for 12 months placement. Specifically, in Object Orientated design, Java and C++. Candidates will have the opportunity to be responsible for end to end software development from requirements to implementation and test.

A knowledge and interest in microcontrollers is an advantage. A large proportion of the work relates to debugging microcontrollers. The e2 studio tooling adds advanced debugging features that make it easier for engineers to debug their embedded applications. Key features are items such as powerful tracing and performance monitoring features and multicore debugging for new Renesas devices.

We also have a new project with Microsoft VS Code. We are creating Renesas plugins for VS code to enable support for our devices and debuggers. This will give candidates the opportunity to work with VS Code plugins and node.js technologies.

Candidates will have an opportunity to work in a software team and collaborate to improve the Renesas software tools. The team use agile methodologies (Scrum) to develop all parts of the product.

Previous candidates have worked on components of e² studio that have been released in the mass production product.
