

# Modelling and Simulation Engineer

## INTRODUCTION

Responsible for developing and testing embedded control algorithms for low carbon technologies. Typical applications include chassis control and infotainment.

## SCOPE OF JOB

Test Simulink and Stateflow algorithms to ensure they meet business requirements.

Manage large quantities of data.

Verify and validate safety critical algorithms / code via visual inspection and test harness.

Inspect algorithms to ensure they comply with coding standards.

Autocode generation.

Maintain software version control and software changes.

## QUALIFICATIONS AND PREVIOUS EXPERIENCE

Most important is business acumen and ability to communicate at all levels.

Dynamic and proactive self-starter able to work with minimum of supervision.

Degree in Engineering.

Chartered Engineer or working towards.

Experience of programming in a high level language (e.g. MATLAB, Simulink, Stateflow, C, C++)

Familiarity of MISRA, MAAB coding standards.

Conversant with verification, validation and code coverage.

Conversant with electronic hardware and software design processes.

Experience of Hardware In Loop (HIL) testing.