



Job Title – Chief Engineer Development

Date position required:	September 2017
Reports:	Project based development Engineers
Salary:	Competitive
Benefits:	Pension
Site:	hofer powertrain UK, Warwick Innovation Centre (CV34 6UW)
Applications required by:	ASAP
Application format:	CV and covering letter

hofer powertrain – Part of the hofer AG (Group)

hofer, established in the 1980's, is a privately owned, German based, automotive engineering consultancy growing to in excess of 1,000 people over the next few years. We work with many of the world's automotive OEMs, Tier 1 suppliers and automotive technology centres and have numerous powertrain components in mass production including hofer designed electric motors and hybrid modules to full dual clutch transmissions.

With numerous offices across Germany, Austria, Italy, America, China and the UK, hofer has a truly global presence allowing comprehensive support for powertrain projects across all vehicle sectors.

- Specific sites setup to support many of the German OEMs
- hofer Mechatronik GmbH (Part of the hofer group) is the largest independent automotive hydraulics consultancy in the world
- Involved in many current and future AT, AMT, DCT and MT volume transmission design projects from clean sheet to production
- hofer has its own inverter / electric control technology and has designed hybrid modules and e-motors that are in production across the world
- Full design to production experience of hybrid powertrain technologies from energy storage to the road
- Full engine and motor driven test capability
- Production supplier to VAG group

As part of hofer groups global growth, and the continuing expansion of hofer powertrain UK, a vacancy has arisen for a Chief Engineer Development to join the Warwick office. Reporting to the Engineering Manager, hofer powertrain UK seeks a Chief Engineer Development with a minimum of 10 years' experience in transmissions and driveline test and development.

The key functions of the role:

Be responsible for multi-programme test and development activities for complete hybrid and full electric transmission and driveline systems.

Support design reviews with results from test and development activities, and lessons learned from other relevant programmes, to ensure continuous product improvement.

Presentation of results both internally and to clients.

Lead root cause analysis investigations.

Generate test plans that enable the robust delivery of validated products through to production.

Manage the project based development team.

Provide development input to whole programme business development activities and proposal generation

Responsible for ensuring that prototype transmissions are delivered on time, to the expected standard for both internal use and client testing.

Ensure appropriate Tier 2 testing is specified and the impact of the results is fed to the wider team.

Support the installation, commissioning and growth of the hofer UK build facility as required.

Assess viability of new test methodologies and identify opportunities to current test and development activities

Generate test and development team operating procedures and standards.

Liaison with project Chief Engineers and Programme management, with respect to major issues, metric tracking and next steps.

Generate development content for internal and customer gateway reporting.

Liaise with production team management for handover of build issues and assembly care points and provide input to support production and product planning.

Manage ad hoc requests from engineering team and distribute to development team

Manage benchmark activities, recommended components and assemblies for benchmarking during concept development.

Define appropriate record keeping standards and ensure that the build team use and maintain a suitable record of assembly related issues over the lifetime of a transmission development project.

Support engineering team with establishing assembly procedures and build manuals.

Liaison with other hofer sites and external test houses in order to define and co-ordinate test and development activities.

Some travel to Germany to liaise with the engineering teams, and for training purposes, will be required.

Qualifications / Education / Experience required:

Degree qualified (2:1 minimum) mechanical / automotive engineer.

A minimum of 10 years' experience in hybridised and full electric transmission and driveline test and development.

A detailed fundamental understanding of transmission technology, including dual clutch technology, hybridised transmissions and electric drive units.

Have a complete understanding of the inputs required to derive a full validation development plan from prototype through to production for hybridised transmissions.

Have successfully delivered complete transmission development programmes from first prototypes to production.

Have significant demonstrable experience using root cause analysis tools and methodologies.

Have a good understanding of transmission Hydraulic Control Units and their component parts.

Experience of rig requirements and specifications definition to enable supplier short listing, comparison and selection.

An understanding of the fundamentals of rig control hardware and software requirements.

Fundamental appreciation of manufacturing techniques used in automotive transmissions.

Significant knowledge of prototype and volume transmission build methods, manufacturing techniques and design for service requirements.

Experience specifying prototype assembly tools.

Comfortable with interpreting technical engineering drawings and assembly procedures.

Able to work under pressure from demanding clients and ensure that the highest standards are maintained at all times.

Able to lead technicians, development engineers and interface regularly with the programme and design team.

PC literate and able to use MS Office products.

Other beneficial attributes:

Knowledge of the German language and experience working with German companies.

HV training would be beneficial, but not essential.

Personal attributes:

Exceptional attention to detail.

A positive attitude with a high level of self-motivation and self-reliance.

 The logo for hofer powertrain, featuring a blue stylized 'h' icon followed by the text 'hofer' in a bold sans-serif font and 'powertrain' in a smaller font below it.	hofer powertrain UK job specification	17.07.2017
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A willingness to operate outside their normal comfort zone.

Excellent team and communication skills.

Well organised and able to remain focused under pressure.