

# PAUL CHANDLER

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## OBJECTIVE

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To enhance my skills, meet new challenges and further my career within a powertrain controls/development environment.

## EDUCATION

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Thorpe St Andrew School  
Laundry Lane  
Thorpe St Andrew  
1983 - 1989

- GCSE Mathematics
- GCSE English
- GCSE Technology
- GCSE Physical Education
- GCSE Physics

City College Norwich  
2008 – 2011

- HND Mechanical Engineering

## WORK EXPERIENCE

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2000 – Present  
Group Lotus

- Powertrain Technician

This role has required me to build and run test rigs. This has included cooling system development, lubrication system development and high speed valve train testing. I have also spent much time running engines in the test cells, this has included validation, performance and emissions testing and research. During this I was required to rig and install the engines to the test cell and configure the instrumentation.

I have a good knowledge of engine build, strip and inspection having been involved in development of new and existing engines. This has included building of prototype and research engines.

I have spent time in the vehicle department building and overseeing the build of specially modified Exiges for a European race series. My vehicle work isn't contained to Lotus product only, I have also been involved with modifications and engine transplants on commercial vehicles for specific projects

- Powertrain Development/Controls Engineer

I moved from the workshops to the office 2½ years ago, this was initially a secondment to support development activities on a turbo diesel re-power project. This included validation work and mechanical development using engines in the test cells, cold chamber and lubrication rig. I also helped with support for testing being carried out at other facilities in the US. Within this role I was required to liaise and report directly to the client either verbally or electronically. This position then became permanent and led to more involvement in calibration and controls on diesel engines. I then moved over to the controls department permanently. This work has involved calibration of the base engine and some input into some of the strategies within the software. The main of the work has been test cell based but more recently I have more involvement with validating software and calibrations using mule vehicles. I also have a good knowledge of torque based calibration having completed substantial parts of the calibration specializing in the basic torque structure, air path modeling, boost control and the related temperature and pressure models used within the system.

1990 – 2000

S.A. Knights & Son Engineers

- Engineering Technician

This role was within engine re-manufacture and general engineering.

The main tasks I carried out were, engine strip and assessment, engine re-build, cylinder block re-boring, con-rod reclamation and cylinder head work. This was on modern petrol/diesel engines and classic engines.

I also undertook the designing and manufacture of 'one off' components and also making replicate parts using mill/lathe.

1988-1990

Broads Tours

- Boat Building & Marine Engineering

This role included helping with the build from scratch small fishing boats, i.e. woodwork and glassfibre construction.

I was also required to aid with engine installation and marinisation of engines for either our own use or for customers. There was also the need for engine service and repair on inboard/outboard petrol/diesel 2 & 4 stroke engines.

## KEY SKILLS

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- Computing
  - Word
  - Excel
  - Power point
  - CANape, INCA & ECT calibration tools
  - AutoCAD
  - Dreamweaver CS5
- Able to work unsupervised and within a team
- Keen and enthusiastic and willing to learn
- Wide range of knowledge of engine testing, build and repair
- General machining to drawing
- General fabrication

## INTERESTS & HOBBIES

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- Computing – Web design
- Motocross
- Rallying

## REFERENCES

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Ralph Purvis  
Powertrain Controls Manager  
Group lotus  
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Terry Smith  
Project Manager  
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