**Matthew Travis**

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## Personal profile

A self-motivated, ambitious and responsible senior manager who has over 20 years experience in the automotive industry, with a specialism in New Energy Vehicles. Has an ability to lead and manage large projects and teams capable of delivering whole vehicle electrical systems and key components, is now keen to further his skills. An excellent communicator with good interpersonal skills who enjoys meeting challenges and seeing them through, whilst remaining good humoured under pressure.

#### Key strengths

* Excellent technical understanding of all key vehicle electrical systems including electrified drivetrains, ADAS and connectivity.
* Ability to manage large teams over several geographical locations.
* Full understanding of the whole vehicle development cycle and the supplier development cycle.
* Good working knowledge of functional safety ISO 26262.
* Developing and maintaining long-term customer and supplier relationships
* Well-developed and effective communication skills
* Been based in many different geographical locations including UK, Germany, Australia and China

## Career History

**Detroit Electric**

**Shanghai, China**

May 2017 – May 2018

**Chief Engineer - Electrical Engineering And Electric Vehicle**

Managed a department of electrical engineers to design and build a high performance electric vehicle. Responsible for EV drivetrain, EDS ADAS, Infotainment, connectivity and lighting.

* Developed an EE department from zero. Developed the resourcing plan for the next three years for a department of over 100 people.
* Defined the EE development and test process for the department including which development tools to use. This included the OEM generic EE specs.
* Developed the EE architecture for the entire vehicle and strategy for each of the EE modules such as ADAS and connectivity.
* Calculated total budget for the whole department and project including test benches, vehicles. Total budget responsible was millions of dollars.
* Developed initial BoM for EE module.
* Set-up supply base with purchasing with key suppliers to start the nomination process.
* Mule vehicle system design was completed.
* Influential in the vehicle architecture especially with the drivetrain packaging
* Worked with marketing department to define the initial feature list.

**Qoros Automotive**

**Shanghai, China**

February 2016 – January 2017

**Senior Manager - Electrical Engineering And Electric Propulsion Vehicle**

Project managed 30+ engineers for various projects including a new architecture for a mid-cycle action and an all new 2WD and 4WD new energy electric vehicle platform.

* Led the internal multi-disciplinary team which included engineering, logistics, purchasing and manufacturing to nominate all suppliers for body, infotainment, EDS and ADAS components for the new architecture.
* Managed the electric vehicle prototype build which included procuring all components and building the battery pack, in less than 6 months.
* Created a new software component re-flash process in plant to help reduce obsolescence costs which in the past were substantial.
* Managed and solved all electrical issues in the plant during the launch of the new SUV and GT vehicles.

**Magna Steyr China**

**Shanghai, China**

July 2014 – January 2016

**Body Electronics Module Leader**

Managed a team of local component engineers to develop several body electronic modules for a Chinese start-up OEM.

* Developed local engineer skills and expertise to meet the demands of the customer of the project.
* Successfully developed all modules to ensure a smooth plant launch.
* Responsible for supplier management of all the modules to ensure the correct level of maturity at each programme milestone.

**Pektron PLC**

**Derby England**

July 2013 to July 2014

**Software Design Manager**

Managed a team of 14 software and test engineers for various projects within several small OEMs including a prestigious electric vehicle OEM.

* Project managed several projects simultaneously.
* Successfully managed claims for additional money due to scope of work changes.
* Managed and successfully resolved several field issues.
* Influential in the acquisition team when visiting customers to win new business.

**Continental Automotive AG (formerly Siemens VDO)**

**Regensburg, Germany**

January 2010 to July 2013

**Technical Project Leader and System Architect**

Lead multi-geographical and multi-disciplinary development teams to acquire, implement and troubleshoot Tyre Pressure Monitoring Systems for 2 major OEMs.

* Influential in developing a strategic partnership between Conti and an OEM so that all additional business is Continental’s which included a system with new technology.
* Won several multi-million Euro acquisitions as project leader and system architect.
* Planned and lead several projects simultaneously with different OEMs.
* Resolved field issues under high pressure from customer management which ensured that there was no financial claim made against Continental.
* Developed system architecture and requirements with customer.
* Customer interface for all technical and sometimes commercial issues.

January 2009 to December 2009

**Diagnostic Requirements Engineer**

Specified all diagnostic requirements for a Body Control Module for a major German OEM.

* Developed and implemented a new diagnostic tool-chain with customer.
* Specified in conjunction with customer all diagnostic requirements for ECU.

September 2007 to December 2008

**Systems Engineer**

Developed customer requirements for a Passive Start and Keyless Entry System, on a commercial vehicle.

* Responsible for developing overall system architecture with customer to ensure full working functionality whilst keeping development and piece price costs to a minimum.
* Worked with other disciplines such as hardware, software and mechanical to estimate the complete development effort during the quote phase.
* Identified project risks and developed strategies to minimise them.

**West Midlands, England**

June 2006 to September 2007

##### Resident Engineer

Responsible for introducing a Tyre Pressure Monitoring System into an OEM

* Developed and implemented test plan for complete vehicle validation of system which included functionality and environmental tests.
* Working closely with a UK customer and the development team in Germany to solve all problems to ensure the successful launch of the product.
* Gained good understanding of vehicle manufacturer processes from conception to post-production.
* Applied new technology to specific customer vehicles for demonstration purposes during acquisitions

**TRW**

**West Midlands, England**

September 2005 to June 2006

##### Contract Software Engineer

Implementing and testing customer requirements for a CAN based Electrically Powered Steering system for several major vehicle manufacturers.

* Designed, implemented and tested customer requirements using C language to MISRA coding standards.
* Implemented Diagnostics on CAN protocol using ISO 15765.
* Formed the necessary close working relationship with third party suppliers to resolve any validation testing issues.
* Developed and maintained good working relationships with customers and other departments within TRW.

**Travelling**

**Australia, New Zealand**

May 2005 to September 2005

**ION Ltd**

**Melbourne, Australia**

February 2005 to May 2005

##### Contract Software Engineer

Implemented closed loop control for a prototype CAN based Six Speed Automatic Gearbox.

* Developed closed loop control requirements with Calibration team
* Tested closed loop controller on vehicle
* Supported calibration team with on-vehicle calibration
* Trained colleagues on CAN protocol and Vector CAN tools
* Assisted team leader in setting key milestones

**Travelling**

**South-East Asia**

September 2004 to February 2005

**TRW**

**Gloucestershire, England**

March 2001 to September 2004

##### Senior Software Engineer

Managing, implementing and testing customer requirements for a CAN based Adaptive Cruise Control system for several major vehicle manufacturers.

* Directly supervised two engineers.
* Responsible for managing customer requirements in a DOORS
* Designed and implemented requirements using both Yourdon and UML software methodologies using C language to MISRA coding standards.
* Designed and implemented an automated test environment to test customer requirements using CANoe.
* Key member of the Rhapsody User Group which was responsible for setting guidelines for developing systems using UML which followed TICK-IT and SPICE quality standards.
* Assessed the feasibility of new tools.
* Aided on-vehicle validation with customer.

## Education and Training

University of Birmingham

1994 – 1998

**MEng (Hons) Electrical and Electronic Engineering with Management**

# A-levels – Maths, Physics, Chemistry

# GCSEs – Nine including Maths and English

## Relevant Courses Attended

Object orientated software design using UML

Rhapsody in C user course

Six Sigma green belt

Automotive Team Training Parts 1 and 2.

## Personal details

Nationality: British

Date of birth: 12 January 1976

Licence: Full, clean, UK driving licence with LGV Class C Entitlement

Interests: Skiing, mountain biking,

Health: Non-smoker

Language: German (working knowledge)

References available on request.