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Overview

An operations, systems, and technology engineer with more than 27 years' experience in project managing, executing and driving strategy to deliver cross-continent technical and data projects. With Formula 1, automotive, construction, and heavy industry sector knowledge across hardware and software domains coupled with substantial commercial and marketing experience – in summary:

- Chartered Engineer
- Board-level operator
- Strategist
- Highly proactive change manager
- Innovator and disruptor
- International project engineer
- Strong team, client and customer relations
- Critical and analytical thinker
- Technology evangelist/trainer/presenter
- Global business traveller

Experience

After completing his first degree in Mechanical Engineering at The University of Reading, Patrick was invited onto the blue-chip graduate training scheme with **ABB DaimlerChrysler** and went onto Project Engineer for a significant £120 million suburban rolling stock project.

Specialising in motorsport, he completed a **MSc in Motorsport Engineering and Management** at Cranfield University in 2001 whilst working for a **Silverstone based Formula 3 Team**. He was a key member in the 2002 British championship winning team, subsequently taking a role with the **Williams F1 Team** where he was instrumental in the testing, developing, and reporting of many new components for the racecars.

A spell in the USA with the Trans-Am Championship winning team **Rocketsports** working for its ChampCar effort, he was responsible for overseeing all technical aspects of the race cars before returning to the UK to specialise in engine performance he worked for **Engine Developments Ltd** with its multi-race winning Judd V8 & V10 engines, coordinating solutions to in-service issues and supporting race teams at race events globally. This included winning a podium place with a privateer entry at **Le Mans 24 Hours**.

In 2009 he started his own company working with race teams all over the world including a season in the **GT1 World Championship**, responsible for track side engine development and chassis analysis on four race winning **Lamborghini Murcielagos**. In early 2012 he worked in **Indycar** supporting the development of V6 Turbos engines before his taking the role as IS Project Manager and Systems Analyst for the **Lotus F1 Team** where he managed and lead a team of 30 engineers on significant performance related programs which involved creating and designing software tools for both factory and trackside engineers supporting 25 podiums and 2 race wins.

On leaving the Lotus F1 Team he set-up Spacecraft Consulting Ltd with his wife who specialises in B2B brand and communications' consultancy. He has subsequently provided services and support to a variety of Motorsport customers including the Race winning **Status Grand Prix GP2 Team**.

Patrick was then called on to head up commercial activities for a JV between Minneapolis based **MTS Systems Corporation** and Woking based **McLaren Applied Technologies** to design, develop, build and globally market a brand-new automotive driving simulator with a six degrees of freedom.

Having brought this cutting-edge motion platform to market, Patrick was then offered the challenge to head up all engineering activities (CTO) as key member of the founding team of **hyperTunnel**, a multimillion Infratech scale up, bringing swarming robotics to the underground construction world.

Spacecraft Consulting gives clear, considered, and innovative engineering and communications consultancy to teams with the sole aim of helping clients improve and achieve better results through application specific data analysis.