

# Dr Michael Provost

Email: [mike@michaelprovostconsulting.com](mailto:mike@michaelprovostconsulting.com)

Mobile: +44 (0)7811 944990

85 Balmoral Drive, Bramcote, Nottingham, NG9 3FT

---

## PERSONAL PROFILE

A high-performance independent consultant and internationally-renowned engineer with over 40 years' experience delivering industry-defining strategic intervention and innovation. Skilful with people and able to develop trust and credibility across all stakeholders through really taking time to understand personal and commercial ambitions. An empathetic leader and influencer who can create and translate strategic vision into operational delivery, disrupting the "way things are done" and empowering businesses to make the changes they need in order to deliver commercial goals by delivering what customers really want. An excellent communicator with an adaptable and flexible approach, able to adjust to different group dynamics, empowering stakeholders to make swift and effective decisions. Combining disciplined thinking with wisdom and empathy, Michael is now looking to further grow his thriving consultancy.

## CAREER HISTORY

Michael Provost Consulting

Independent Consultant

May 2015 – Present

Delivering smart ways to supercharge businesses by encouraging them to think in new ways and deliver what their customers really want.

- Technical direction of project to introduce diesel fuel additives into the UK and Europe.
- Market development, data gathering, analysis and visualisation for small railway consultancy.
- Promotion of Servitization to industry and academia.

Intelligent Energy

Engineering Fellow, Predictive Asset Management

August 2010 – May 2015

Appointed to lead a team of young professional engineering analysts developing innovative ways of visualising and analysing "big data".

- Developed strategy and systems to recognise the business potential arising from asset data.
- Collaborated with the CEO to develop asset management as a key value-generating driver.

Legacy: Authored and self-published "Everything Works Wonderfully: An Overview of Servitization and Physical Asset Management".

Bombardier Transportation

Head (then Director) of Predictive Services Engineering

November 2005 – July 2010

Appointed as project lead for the development of the Bombardier Orbita™ asset management system.

- Bringing to fruition the Bombardier Orbita™ project, which turns railway asset data into actionable information for rail industry manufacturers, suppliers, owners and operators.
- Presentation of the Bombardier Orbita™ asset management system to many internal and external stakeholders, from depot staff to senior rail industry and government figures worldwide.

Legacy: Improved train reliability by over 30% through the development and introduction of novel data processing algorithms, data visualisations and business process improvements.

Data Systems & Solutions (DS&S)

Senior Technology Consultant

September 2003 – October 2005

Appointed to facilitate both business and technical development, applying the techniques and thought processes behind the condition monitoring of aircraft engines to other industries.

Legacy: Created and specified projects demonstrating application of DS&S skills to railway assets.

Rolls-Royce

Senior Project Engineer, Advanced Propulsion Systems Design (Civil) August 1998 – August 2003

Appointed to oversee the preliminary engineering performance and design of Rolls-Royce engine proposals

- Management oversight of feasibility studies for numerous Rolls-Royce engine innovations and developments, promoting them both internally and externally to aircraft manufacturers.
- Maintained ongoing industry insight, reporting on competitor technologies.
- Creation of several patents for novel propulsion and More Electric Aircraft concepts.

Legacy: Led the Rolls-Royce efforts to persuade Boeing to make the 787 Dreamliner a More Electric Aircraft and achieved technical selection of the Rolls-Royce Trent 1000 as an engine option for that aircraft.

Rolls-Royce

Strategy Analyst, Corporate Strategic Planning August 1991 – August 1998

Appointed to bring engineering discipline and logic to corporate strategic planning and M&A activities

- Provided in-depth analysis of strategic and financial initiatives to the board, M&A teams and business development directors.
- Compiled descriptions and financial models of competitors and potential M&A targets.
- Support of Rolls-Royce submissions to Trade and Industry select committee on Aerospace and General Agreement on Tariffs and Trade (GATT) Uruguay Round.

Legacy: Developed methods for modelling and understanding the value of M&A activities to Rolls-Royce.

Rolls-Royce

Performance Engineer, rising to Performance Systems Specialist July 1977 – August 1991

Appointed with multiple technical responsibilities for civil aero engine thermodynamic performance modelling and analysis, including methods development.

- Thermodynamic modelling and analysis of Rolls-Royce RB211-535C and -535E4 civil aero engines.
- Creation of Iterative Analysis method, which analyses engines by adjusting assumptions made in a mathematical model in order to match observed measurements.
- Creation of the algorithms underpinning the Rolls-Royce COMPASS™ condition monitoring system.

Legacy: 'Grandfathered' methods that helped to transform Rolls-Royce's business performance.

Rolls-Royce

Graduate Trainee August 1976 – July 1977

Successfully completed the graduate trainee year, completing the design-and-make project at the Rolls-Royce Training Centre.

---

#### AWARDS, ACCREDITATIONS AND EDUCATION

Engineering Honours Degree from Trinity College, Cambridge: 2.1 in Part I, First in Part II;  
Part-time PhD in Thermal Power from Cranfield University;  
Fellow of Institution of Mechanical Engineers and Institution of Engineering and Technology;  
Member of Institute of Asset Management.  
9 'O' levels, 4 'A' levels (latter all Grade A).

#### FURTHER INFORMATION

- Author of the book "Everything Works Wonderfully: An Overview of Servitization and Physical Asset Management", giving contemporary commentary, study and practical advice on how businesses can move from a "make it and sell it" mentality to a truly customer-focussed culture.
  - See [www.everythingworkswonderfully.com](http://www.everythingworkswonderfully.com)
- Developed an effective and powerful network in aerospace, railways and energy.