

# Anthony Clough Curriculum Vitae

## PROFILE

As a talented product designer, experienced chartered mechanical engineer and project manager, I can offer complete design and management of product development. From concept to completion, my imagination, visualisation, CAD and theoretical skills combined with a broad experience in design, engineering and manufacturing allows informed decision making and opens up creative possibilities. With inventive problem solving, innovation and analysis among my strengths, I can offer outstanding new products or optimise existing products and systems for maximum performance at low cost.

## PERSONAL DETAILS

Date of Birth:	17th February 1976	Telephone:	07974 802 590
Nationality:	British	Email:	ageclough@gmail.com
Address:	63 Winterfold Close, London, SW19 6LE, UK	Web:	www.anthonycloughdesign.com

## EMPLOYMENT HISTORY

### **2009-Present**      **Anthony Clough Design**

Position:            Freelance Product Design

Responsibilities:    Design consultancy, product verification, model making, business development.

### **2006-2009**      **Magnetic Connection Company Ltd.**

Position:            Technical Director

Responsibilities:    Start up company to exploit own innovative lighting product. Secured venture capital funding and undertook business planning, project management, marketing plan, presentations to investors and customers.

Responsible for development of complete design of product from concept to detail design, thermal and structural analysis, production of prototypes and plastic parts through injection moulding. Manufacturing drawings, supplier selection, quality management, product acceptance, certification and test of the lighting product.

Designs for several variants produced along with accessory tools to make the product more inclusive for the widest possible range of users.

Branding, product placement and promotion, marketing and web profiling.

### **2005-2006**      **Innovation RCA, Royal College of Art**

Position:            Research Associate

Responsibilities:    Major project from RCA course was an emergency escape product. Winning a place on the Innovation RCA Selected Works scheme, the Intellectual Property was protected and technological development followed. Dynamic performance analysis, material research, proof of concept testing and detailed design work.

Business development, identifying target customers and presenting the product.

Finalist in Research Council UK Business Plan competition 2006 and winner of SPARK Award from the Institute of Materials, Minerals and Mining in 2007.

### **2005-2006**      **Anthony Clough Design**

Position:            Freelance Product Design

Responsibilities:    Established a design consultancy. Clients include notable designers Ron Arad and Sam Buxton. Role consists of design and manufacture of various products, bar installation, exhibition stands, photography and film making.

## Anthony Clough Curriculum Vitae

### **2004 Opius Design Ltd, Design Consultancy**

Position: Summer Internship (during RCA course – 8 weeks)

Responsibilities: Internship at a design consultancy working on live commercial projects including vehicle design, specialist book scanning equipment and furniture. Concepts, design, CAD modelling, testing of concepts and communication of design ideas.

### **1998-2003 Rolls-Royce plc.**

Position: Engineering Designer

Responsibilities: Gas-turbine engine and systems design for military airframes, specialising in concept design, high technology long term future projects. Experience in the fields of materials, aerodynamics, thermodynamics, interface design, mechanisms, control systems, electrics, fuel, air and oil systems.

Role included problem solving, engineering analysis, calculations, CAD and FEA. Working in large multidisciplinary teams, typically representing design for Installation Engineering department in nozzle design, fuel system control, feasibility studies and proving input and support for multinational bid proposals.

Responsibilities included team leadership, project scope, programme management, quality acceptance cost reduction and community outreach programmes.

## EDUCATION

2003-2005 Royal College of Art and Imperial College, London UK  
Industrial Design Engineering, MA Dip(IC) Joint Honours Course

2003 MIMechE CEng Chartership Status with Institute of Mechanical Engineers

1994-1998 University of Bristol, UK  
Mechanical Engineering, MEng (Hons) 2:1

## SKILLS PROFILE

Management Management of the Magnetic Connection Company, a start up company, required building knowledge of accounts procedures, investment management, as well as expanding business development, marketing and branding techniques.

Programme Management, leading teams, planning, scheduling, Earned Value Analysis, risk analysis, value engineering, change management, ERM and PDM.

Design and Engineering Problem solving, applying the design process and communicating ideas. Product design from concept to finished item. Experience includes, emergency escapes, lighting, exhibitions, daily living aids, furniture, and engineering componentry. Skills include aesthetics, mechanical integrity, human interface design, mechanism and system design. Mechanical engineering analysis, theoretical calculations and production of detailed drawings, risk and reliability analysis.

Design For Manufacture with an understanding of a wide range of manufacturing processes including injection moulding, machining, fabrication etc. Quality Management including Statistical Process Control, and cost reduction.

IT CAD - 9 years of 3D modelling Pro/ENGINEER. Also experienced user of SolidWorks, Rhinoceros, CAADS5, and AutoCAD. Finite Element Analysis. Rendering in 3DStudioMax, Digital content creation in Macromedia Flash, film editing in Adobe Premier Pro, various web development tools as well as graphic skills in Adobe Photoshop, Adobe Illustrator. PC, Mac, Microsoft Office etc.