

**Curriculum Vitae**  
**of**  
**Malcolm J Robins**  
Chartered Thermal Engineer

- Occupation :  
Director, Dove Thermal Engineering Limited  
The company incorporates Dove Associates, a design and engineering consultancy established 1978.
- Specializations :  
Areas of heat transfer, thermodynamics and fluid mechanics relating to thermal engineering topics  
Capital plant design and construction
- Activities :  
Fault investigation, systems development, thermal design, and expert witness in related fields
- Professional :  
Member, Institution of Mechanical Engineers (MIMechE)  
Member, Institution of Engineering Designers (MIED)  
Member of the Heat Transfer Society  
late Fellow, Institution of Plant Engineers (FIPlantE)  
late Fellow, Society of Operations Engineers (FSOE)
- Awards :  
Design Council Award for "Consistent High Standards of Project Management & Design Capability"
- Academic :  
Diploma in Mechanical Engineering with Marine Endorsements  
Chartered Engineer, Engineering Council registration 655388  
Open University Mathematics and Technology (distinction)
- Skills :  
Forensic Analysis  
Engineering Design  
CAD Solid Modelling  
Mathematical Modelling
- Experience :  
Outlined in project lists appended  
Boiler Plant Design and Engineering  
Manufacturing Plant & Factory Services  
Product Design, Development and Testing  
Process Plant Design & Project Management  
Biothermal, Process & Environmental Engineering
- Extra-mural :  
IMechE Area Management Committee  
Heat Transfer Society National Committee

**ACCREDITATIONS**

- |   |  |
|---|--|
| London University Examinations Board/BTEC/City & Guilds : | Examination Writer-Editor in Engineering & Manufacturing from 1996 |
| Industrial Development Board for Northern Ireland :       | Member of Interim Management Panel from 1996                       |
| NatWest-BP Awards for Technology :                        | Project Assessor from 1992   |
| British Engineering Design Awards :                       | Industrial Awards Adjudicator from 1991                            |
| Production Engineering Research Association :             | Production Plant & Machinery Advisor from 1983                     |
| Design Council :  | Engineering Design Consultant from 1983                            |
| Departments of: Trade & Industry/Energy/Environment :     | Various Accreditations from 1980                                   |

**PRIOR EMPLOYMENT**

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|--|--|
| Heenan & Froude Limited (1970-78) :    | Regional Manager (from Area Engineer); Engineer-in-Charge (Extended Surface Equipment)<br>Activities: Evaporative cooling towers; gas/air coolers; engine test plant; drives & couplings |
| Hydronyl Limited (1968-70) :           | Engineer-in-Charge (from Technical Sales Engineer)<br>Activities: Heat & mass transfer consultancy to the petrochemical and process industries   |
| Serck Heat Transfer (1966-68) :        | Senior Project Engineer (from Project Engineer)<br>Activities: Process & mechanical design of tubular heat transfer equipment and systems  |
| Carter Thermal Engineering (1965-66) : | Applications & Development Engineer<br>Product & plant project engineering; research & development   |
| Royal Dutch Shell (1961-65) :          | Marine Apprentice, Alternative Training Scheme for Engineer Officers (MITB)  |