

# ***C D WHELAN ~ BUSINESS CV***

## **QUALIFICATIONS**

**Awards:** B.Eng (Mechanical Engineering), C.Eng  
**Memberships:** MIMechE, SAE

## **PROFESSIONAL EXPERIENCE**

### **2000 ~ Current: WDL Ltd**

Consultancy specialising in IC engine & powertrain design, development & applications. Technical & business project work for OEMs, Tier 1 Suppliers & engineering service suppliers.

### **1993 ~ 2000: Ricardo**

Project Director for Ricardo Group-wide powertrain research programme.

Programme Chief Engineer for new diesel engine family for major OEM.  
Overall responsibilities for design, development, programme and contract.

Head of Diesel Engineering

### **1988 ~ 1993: Weslake Developments Ltd**

Technical Director & shareholder of an independent R & D organisation.

Company activities included:

- Motorsports engine design and development
- Gasoline and diesel engine performance and emissions R & D
- Single cylinder research engine design and manufacture

### **1984 ~ 1988: Engineering Consultant**

Independent consultant in the fields of engine research, development and design. Key projects included:

- Airship (US Navy) modelling & diesel propulsion system design
- Formula 1 engine turbocharging system design & development
- Design of novel constant-speed drive for aircraft electrical generators

### **1977 ~ 1984: Ricardo Consulting Engineers**

Senior project engineer specialising in:

- Engine performance modelling
- Alternative powerplant (gas turbine, Stirling engine, vapour cycles & exhaust heat recovery)
- Large engine design & development (Industrial, Locomotive, Marine)
- Turbocharging systems & gas dynamics research

### **1973 ~ 1977: Rolls Royce Ltd, Derby**

Compressor Engineer, working on:

- Performance prediction of multistage axial compressors
- Aerodynamic performance prediction
- Research into rotating stall in axial compressors