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# Michael Brown

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## DESIGN DRAUGHTSMAN / PRO-ENGINEER / FABRICATION / CUSTOMER SERVICE

A highly skilled Design and Development Engineer, dedicated to continuous improvement in process and technology, with an influential approach to achieving new business. Broad range of experience from the creation of designs to completion, identifying opportunities and expanding distribution whilst being flexible enough to meet ever-changing circumstances. Good technical experience in fabrication and fitting, ensuring customer focus through the provision of engineering solutions, meeting customer requirements and helping build business relationships.

## AREAS OF EXPERTISE

- Account / business development
- Pro Engineer CAD software
- Identification of customer needs
- Sales and purchasing negotiations
- Customer contact / Follow up
- General arrangement drawings
- Project specification and scope definition
- Quality Assurance
- AutoCad LT / LT2000
- PIMS
- Continuous improvement
- Feasibility studies
- Computer literacy
- Fabrication / fitting

## EDUCATION



## QUALIFICATIONS

B.Eng. (Hons)	Mechanical Engineering ( Salford University )	1994-97
HND	Mechanical Engineering ( Salford University )	1993-94

## PROFESSIONAL EXPERIENCE AND ACHIEVEMENTS

### DESIGN DRAUGHTSMAN



Oct 01 - Present

Composite Design Support Ltd, TVTE, Gateshead ( Express Engineering Group)

An Incorporated Engineer. Examining design specifications and calculating the dimensions and weights of components. Working out the most effective and economical means of manufacturing sub-sea oil equipment. Incorporating standard parts and materials and checking the safety of the designs. Liaising with production managers and senior shop-floor staff. Producing general arrangements drawing to scale.

- Became fully conversant with Pro-Engineer: - ensured that any 3D data received or generated can be fully utilised without the need for 2D drawings. Processed Full 3D forms through design and manufacture, using only the electronic data.
  - Completed over 1500 hours on-site usage ( Intralink Versions 2 & 3) for ABB Vetco Grey, Aberdeen.
  - Designed, modelled, and performed cost estimation, scheduling and cash flow analysis for sub-sea oil drilling equipment with detailed drawings.
  - Responsible for production of and general arrangement drawings, as well as the production of bill of materials.
  - Working in accordance with industry or customer standards. BS EN ISO 9001 accreditation and presently working to achieve BS EN ISO 14001.
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## PROFESSIONAL EXPERIENCE & ACHIEVEMENTS (CONT)



The capabilities of Express Engineering are focussed on equipment engineering and product manufacture. Mechanical and electrical design, electro-mechanical assembly and effective project management skills complement our extensive precision engineering capacity. These skills and capabilities are enhanced through integrated supply-chain management, extending our capacity to deliver against customer needs.

### DESIGN AND DEVELOPMENT ENGINEER



1998 - 00

Gas Container Service Ltd, Nottingham

A project management position: specialising in high pressure - beverage dispense "BEVGAS" & "Balloontime" gases, transportables, bundles and fixed installations cylinders and vessel revalidation and refurbishment, engineering - vehicle alternative fuel refuelling stations, dispensers and storage systems. including servicing and maintenance

- Redesigned the CO<sub>2</sub> filling plant - the company is now the largest CO<sub>2</sub> supplier in the beverage industry.
- Won a very large contract in the compressed natural gas market - on leaving this customer was worth 25% on the company's CNG/LPG turnover.
- Met with clients and designed new products for the natural gas vehicle market, using AutoCad.
- Oversaw and contributed to the manufacture and testing of new lines of standard products.
- Upgraded numerous engineering designs.
- Managed all new applications from design to completion after identifying new opportunities and validating customer needs.
- Created and implemented account development strategies that significantly enhanced business growth.
- Delivered end-user solutions.
- Developed commercial partnerships and solid business relationships.
- Worked on contracts with ERF, Foden, Dennis Trucks, Nissan, Toyota, Volvo and Yale Fork-Lift Trucks.

### FABRICATOR TO DESIGN ENGINEER



1987 - 93

Don-Bur (bodies and trailers) Ltd, Stoke on Trent

Specialising in high pressure - beverage dispense "BEVGAS" & "Balloontime" gases, transportables, bundles and fixed installations cylinders and vessel revalidation and refurbishment, engineering - vehicle alternative fuel refuelling stations, dispensers and storage systems. including servicing and maintenance

- Welding and sheet metal work.
- Installed pneumatic vales and pipework on articulated trailers.
- Promoted to Design Engineer in 1988.
- Produced manual engineering drawings for new trailer chassis designs and fabrication drawings for all types of commercial vehicle bodywork.
- Instrumental in introducing and integrating a CAD system into the company.
- Attained ISO 9001.

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Interests / pastimes:      Photography, travel, football, squash, drawing, reading, music.

Personal:                      Born 17/10/70. full clean driving licence, non-smoker.

References available on request.

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