

John Cobb (Security clearance previously held until 2020)

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PROFILE

An experienced Mechanical Design Engineer with diverse expertise of Design, 3D modelling and development of special purpose machinery and process plant for various sectors including: Defence, Aerospace, Nuclear, Food/Beverage, Electronic/Mechanical Manufacturing, Petro-Chemical, Automotive.

KEY ACHIEVEMENTS

- 1 Responsible for critical design and development of high value complex special purpose machinery, which increased film production by 600% through innovative approach, achieved a concurrent cycle time reduction and capacity increase
- 2 Successfully 'designed in' manufacturing efficiencies in the form of 4 special purpose machines to achieve aggressive build plan producing a much improved assembly time
- 3 Ensured build of project critical assembly roofing system, for prestigious Welsh National Assembly building through 3D modelling of assembly parts
- 4 Intensively trained in use of Inventor and Mechanical Desktop by Autodesk Authorised Consultant
- 5 Practical design experience of utilising Inventor, Mechanical Desktop, AutoCAD, RoboCAD, etc
- 6 Licence holder for Inventor (current release) & AutoCAD with suitably specified workstations

Please see my web site: www.inventor-3d-design.co.uk

EMPLOYMENT HISTORY

Modelling specialist

2013 to 2014 Dounreay Site Restoration Ltd

Design Engineer/Draughtsman [Contract – 1 yr 6 months]

Model & detail work including: extract ducting and special purpose processing equipment as part of the decommissioning of the nuclear power station

Design Package: Inventor *Professional 2014 using Vault*

2007

KIDDE Ltd

Design Draughtsman [Contract – 3 months]

Design & detail of fire extinguishing skids – process pipe work

Design Package: Inventor 2008

2001

How Fire Ltd

Design Draughtsman [Contract – 2 months]

Design of layout for sprinkler pipe work system and spray head locations – 6 floors of the Marks & Spencer flagship store, Fenchurch Street, London - Design Package: AutoCAD 2000i

1999 – 2001 Design Facilities Ltd**Design Draughtsman [Contract – 1 yr 9 months]**

Created design and detail layout for 'Raw Caramel make up module' for Mars miniatures

Design of associated pressure vessels, heat exchangers, pump mountings, valves, process pipe work, flow plates etc

Design of Support Platform (9m x 11m x 2.4m) and associated foundations, stairways, handrails, Dairy silo air filter, steam and sprinkler pipe work

Integration and upgrading of modules with support platforms and in line with Mars directive

Design Package: AutoCAD 2000

1993 – 94 Crauford Engineering**Design Draughtsman [Contract – 1 yr 3 months]**

Design and detailing of Glycol Chiller Plant for the 'Bounty Line' at Mars Confectionery

Design of Process plant structure and layout – Pressure vessels, SP machinery, screw conveyors, jigs etc

Design Package: AutoCAD R12

1993 Celltech Ltd**Design Draughtsman [Contract – 6 months]**

Design of new 2000litre fermentation suite plant

Design of process plant and layout P&ID's – pressure vessels, flow plates, trolleys etc

Design Package: AutoCAD R12

1992 – 93**Design Facilities Ltd****Design Draughtsman [Contract – 4 months]****1992****Ferranti Sub Sea Ltd****Design Draughtsman & Checker [Contract – 4 months]****1990 – 91****Berkeley Design Ltd****Draughtsman [Contract – 7 months]****1989****Tudor Technology Ltd****CAD Systems Engineer [Permanent – 8 months]****1981 – 89****Goring Kerr PLC****Design Draughtsman [Permanent – 7 years]****1977 – 81****John Crane Ltd****Draughtsman [Permanent – 4 years]****1971 – 77****Admiralty Compass Observatory****Skilled Craftsman & Apprentice [6 years]****EDUCATION & TRAINING**

HND Mechanical Engineering (with various distinctions)

Subsequently offered place on MSc Design of Machine Systems in 1981

Extensive Inventor tuition, City & Guilds AutoCAD 3D Wireframe

PERSONAL INFORMATION

Date of Birth: 18/07/55

Driving Licence: Full