Brian Wright BSc Hons

**CURRICULUM VITAE**

SECTOR EXPERIENCE

* Mechanical design
* Product assembly
* Product Qualification Inspection and test
* Motor Vehicle
* Oil & Gas

PROFESSIONAL SUMMARY

* Mechanical Engineering
* Design / Development Engineering
* Maintenance of Electronic & Mechanical Systems and Components
* Finite Element & Fluid Dynamics
* Detailed Calculations
* Projects / Manufacturing
* Motor Vehicle

PERSONAL ABILITY

* Technologically Competent
* Strong Analytical Aptitude
* Attention to Detail
* Problem Solving Aptitude
* Ability to Think Logically
* Effective Communication Skills
* Mathematically Inclined
* Interpersonal Ability
* Leadership / Management

EDUCATION SUMMARY

* BSc Motorsport Technology
* A-Level Geography, Geology and Graphic Design
* ASET L3 in geographical information systems
* AS-Level Mech Mathematics and Physics
* 10 GCSEs A\* - C including Maths, French and German

REFERENCES Available on request.

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Nationality: United Kingdom

**PERSONAL STATEMENT**

A mechanical engineer with both academic and practical experience gained from working within the automotive and petroleum sectors. A highly motivated individual with ambitious personal targets and a proven track record to exceed performance expectations.

Extensive experience of working both hands-on and technically, performing many mechanical engineering activities, showing solid strengths during technical challenges and providing leadership and management during projects and operations.

**PROFESSIONAL ENDEAVOURS**

* Company authority on design and implementation of new product requirement qualifications.
* Installation, repair, modification and refurbishment of process pressure containing equipment, i.e. Valves, actuators, gearboxes, control valve, instrumentation and relief valves.
* Authority figure for special testing including, fire testing, fugitive emission, tensile / compressive load testing, cryogenic and steam testing.
* Preparation & Supervision of factory acceptance, qualification & integration testing activities.
* Design and develop hydraulic / pneumatic systems and components.
* Experience with finite element and computational fluid analysis to verify design integrity.
* Authority figure for system and component failure investigations including emission and through leakage.
* Proven ability to fabricate components and testing jigs within tight timescales and budget constraints
* Monitoring of Material selection including mechanical testing and identification.
* Carry out calculations in accordance with relevant industry standards and specifications.
* Maintenance and diagnosis experience with all aspects of motor mechanics.
* Preparing and approval of testing procedures to relevant standards and specifications and company quality and safety criteria.

**PERMANENT EMPLOYMENT HISTORY**

COMPANY: **KOSO KENTINTROL**

POSITION: Senior\* Research and Development Engineer

PERIOD: 2013 to Present \*(Senior status as of 2018)

DUTIES:

* Confer with management, production and sales staff to discuss project specifications and procedures.
* Subject matter expert for API, ISO and Shell standards and design verification and validation requirements
* Main point of contact between machine shop and technical offices
* Maintain and supervise the special test area as well as supervising all high pressure gas testing
* Coordinate and direct projects, making detailed plans to accomplish goals and directing the integration of technical activities.
* Technical advisor to project and purchasing engineers.
* Analyse technology and resource to plan and assess the feasibility of new project qualifications.
* Direct, review and approve product design and NPD
* Heavily involved in the recruitment of University undergraduates, assign, direct and evaluate work, oversee the development and maintenance of student competence during 12-month placements.
* Develop and implement policies, standards and procedures for engineering and technical work performed in the department.
* Reviewing and writing technical documentation, enforcing rules, making decisions regarding the purchase of materials and services.
* Supervision of all special testing including; Environmental, fugitive emissions, cryogenic, PR-2, general pressure tests, noise, impact and flow testing.
* Remote rig operation systems operation and commissioning.
* Coordinate qualification testing of subsea products including hyperbaric proof testing.
* Overseeing performance of all duties listed below from previous job role.

COMPANY: **KOSO KENTINTROL**

POSITION: Graduate Engineer Assistant to Chief Applications Engineer

PERIOD: 2011 to 2013

DUTIES:

* Working under the management of the technical director and immediate supervision of the chief applications engineer with a view to replacing the Chief applications engineer following his retirement.
* Performance and organisation of FAT gas testing.
* Advisor to sales and design with regard to current test equipment limitations.
* Organisation and maintenance of general and special test equipment including purchase and machining of special temperature end connections.
* Testing of qualification components and assemblies both internally and externally in accordance with standards & specifications i.e. ASME, API, ISO, BS (EN), PED.
* In-house & site failure Investigations & rectification.
* Global witness testing and inspection.
* Manufacturing methods & techniques.
* Detailed calculations.

**ADDITIONAL SKILLS**

* PGS certificate in safe use of high pressure gases and equipment.
* PGS certificate in safe use of cryogenic gases and equipment.
* Certificate of competency in vacuum mass spectrometry.
* Experienced operator with Helium leak detection equipment.
* Counter-Balance Forklift Truck License
* Use of scopes in waveform diagnostics.

**UNIVERSITY MODULES**

**09/10**

* ANALYTICAL SKILLS FOR TECHNOLOGY AND BUSINESS
* FUNDAMENTALS OF SCIENCE AND TECHNOLOGY
* APPLICATION OF SCIENCE AND TECHNOLOGY
* ENGINEERING COMMUNICATION AND MATERIALS
* MANUFACTURING TECHNOLOGY AND WORKSHOP APPRECEATION

**10/11**

* MECHANICAL SYSTEMS AND ANALYSIS
* AUTOMOTIVE POWER TRAIN
* RACE VEHICLE DYNAMIS AND CONTROL SYSTEMS
* ENGINEERING DESIGN PRINCIPLES
* MANUFACTURING AND ENTERPRISE
* MANUFACTURING TECHNOLOGIES AND MATERIALS

**11/12**

* PROFESIONAL STUDIES AND COMPUTING AND INFORMATION TECHNOLOGY
* INDUSTRIAL PLACEMENT

**12/13**

* VEHICULAR HANDLING AND PERFORMANCE DYNAMICS
* VEHICLE DESIGN
* STRUCTURED INNOVATION AND CREATIVITY
* FINAL YEAR PROJECT (MECHANICAL)
* PROJECT QUALITY AND PRODUCTION MANAGEMENT

**SOFTWARE PROFICIENCY**

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| --- | --- |
| * Microsoft Office Suite
* Microsoft Project
* Visual Studio
* Adobe Professional
* SolidWorks
* Inventor
 | * AutoCAD
* ANSYS (Engine Dynamics)
* ANSYS (Computational Fluid Dynamics)
* MathCAD
* ArcView (GIS) Programming
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