

# Simon Bromiley

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## Professional Profile

A resourceful, hard-working senior control systems engineer with unrivalled organisational and managerial skills gained working across a number of countries and industries. A proven ability to develop and implement effective new systems and procedures, with a focus on automation commissioning solutions. Able to work well both independently and as part of a productive team, demonstrating the motivation and multi-tasking abilities required to meet demanding deadlines while maintaining the highest of standards. An experienced, successful and competent individual with proven track record of managing multi-discipline projects. Articulate and proactive, combines a professional and confident approach with excellent interpersonal skills and can communicate concisely at all levels. A motivational leader proven in developing successful teams that achieve business and personal objectives and who thrives working in a highly pressurised, often arduous, environment.

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## Key Strengths

Control Systems Engineering | Control Systems Design | Automation Commissioning Engineering | Project and Engineering Management | Commissioning Engineering | Risk Management | Leadership and Management | Troubleshooting and Problem Solving | Influencing and Decision Making | Training and Coaching | Relationship Management Skills | Organised | Health and Safety

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## Career Summary

### 2008 - 2015      **SENIOR CONTROL SYSTEMS ENGINEER - Control Systems and Electrical Engineering** **Rio Tinto, Cape Lambert**

- Worked as part of a team with overall accountability for the maintenance of the control system used in port operations
- Provided key support to the production and maintenance crews, identified areas of the process needing improvements by developing PLC and SCADA solutions
- Used a trend database to meticulously analyse previous events to ascertain the cause, and recommend solutions to prevent future occurrence
- Made a significant contribution during meetings with site personnel to design short and long term strategies to resolve equipment failures and limitations
- Acted as a single point of contact for all communications between clients and Rio Tinto, managed key personnel to ensure all milestones and timeframes were achieved
- Orchestrated and facilitated the training and coaching of new and junior staff in areas such as instrumentation control and PLC/SCADA systems
- Simultaneously directed and guided complex commissioning projects, from inception to completion, troubleshoot problems, implemented approved actions and workarounds to mitigate project risk events

#### Key Achievements:

- Consistently improved productivity and reliability of control systems
- Acquired knowledge to be regarded as a PLC specialist
- Supported the development of a control system change management procedure to minimise risk to personnel and equipment while still permitting efficient implementation of change
- Took a proactive involvement in the building of a training and development facility to improve internal skills

**1990 - 2015**

**BUSINESS OWNER**

Bromiley Automation Services

- Started up and developed a highly successful business leading control systems and automation commissioning activities, to provide programming and commissioning services
- Skilfully designed PLC code and HMI configuration in line with client requirements, including control of pasteuriser, homogeniser, clean in place, yeast extruder, postage stamp packaging, linoleum production, soft drink processing, and automatic greenhouse pesticide fogging
- Deployed key skills and resources to provide commissioning and PID loop optimisation services for processes such as butter production, juice evaporation, spray drying, ice-cream production, coal train unloading, bulk material handling, UHT, ultrafiltration, and reverse osmosis
- Worked with instruments for measuring flow, level, pressure, temperature, pH, brix, moisture content, and conductivity, used networks including Ethernet, Device net, Control net and network switching equipment
- Utilised outstanding technical and interpersonal skills to build robust relationships with clients, balanced a tenacious approach with exceptional standards of service to secure repeat business
- Developed reputation building strategies, managed issues and established relationships with key stakeholders
- Made use of exceptional organisational and project management skills to formulate and execute site activities in detail, set targets including completion dates
- Liaised with clients and other business professionals to complete projects to an incredibly high standard, developed commissioning plans, reports, test procedures

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**Education and Qualifications**

**Higher Certificate:** Electrical and Electronic Engineering

*Stow College of Technology, Glasgow*

**Apprenticeship:** Royal Navy Artificer Apprenticeship - Control Systems and Electrical Artificer 1<sup>st</sup> Class

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**Professional Development**

- Electrical Workers Competency
- Arc Flash Awareness
- Low Voltage Rescue
- Fire Extinguisher Use
- Approved Isolation Officer
- Substation Risk Awareness
- First Aid

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**Industries**

- Dairy - UF, RO, UHT, CIP, Pasteurisation, Separation, Standardisation and Homogenisation, Spray Drying, Evaporation
- Water - Flocculation, Chemical dosing control
- Butter, Icecream, Yoghurt, Margarine - Recipe production, batching blending, transportation, process, storage and packaging
- Brewing - Fermentation attemperation control, filling line control
- Mining - Train unloading, stacking, reclaiming, shiploading, crushing and screening plants
- Juice - Evaporation and concentration, UHT packing
- Bakery - Pan storage and retrieval, proving control, baking control, conveying and packaging
- Miscellaneous - Flower factory fogging, postage stamp sorting, rail locomotive re-fuelling

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**Key Skills**

**Technical:** PLC, SCADA, VFDs, Protection Devices produced by Allen Bradley and Rockwell, Siemens, GE, Fanuc, Schneider products including Wonderware and Citect SCADA

**REFERENCES ARE AVAILABLE ON REQUEST**