



CORROSION CONTROL

PREQUALIFICATION

2022



PREQUALIFICATION DOCUMENT

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TABLE OF CONTENTS

1.	INTRODUCTION	3
1.1	Company Registration Certificate	4
2.	COMPANY STRUCTURE AND ORGANISATION.....	5
2.1	Company Structure	5
2.2	Organisation Charts	6
2.3	Registered Office UK.....	7
2.4	Parent Company	8
2.5	Distributors & Agents for BAC	9
2.6	Distributors & Agents for RCSL	9
2.7	BAC Distributes for.....	10
3.	OPERATIONS STRUCTURE.....	12
3.1	Organisation.....	12
3.2	External Consultants	12
3.3	Sales & Marketing Manager	12
3.4	Manager of Engineering	12
3.5	Project Engineers.....	13
3.6	Product Development Manager	13
3.7	Manufacturing Manager.....	13
3.8	Information Technology.....	13
3.9	Legal, Financial and Accounting.....	13
3.10	Insurance	14
3.11	Quality, Health, Safety & Environmental	15
3.12	Work Place Accident Statistics	20
3.13	Certification	21
3.14	Achilles/UDVB Certification	22
3.15	Employee Resumes	22
3.16	Hazardous Area Certification.....	23
4.	FINANCIAL	26
5.	COMPANY CAPABILITY	26
5.1	Market Areas.....	26
5.2	Operational Divisions.....	27
5.3	Office Facilities & Capabilities	29
5.4	Workshop Facilities & Capabilities.....	30
5.5	Storage Facilities & Capabilities	31
5.6	Outside Yard Area.....	31
5.7	Suppliers to BAC.....	31
6.	COMPANY EXPERIENCE	33
6.1	BAC Engineering Experience	34
6.2	BAC Project & Materials Experience	35
6.3	RCSL Experience.....	36



1. INTRODUCTION

BAC Corrosion Control Limited (BAC) has a history dating back to 1954 and is an amalgamation of several well-respected names from the cathodic protection and electrical bonding fields.

BAC's roots lie within the following companies:

- Bergsøe Anti Corrosion,
- MAPEL,
- Global Cathodic Protection
- Bright-Bond.
- RCSL (Rose Corrosion Services Ltd)

A more complete and detailed history of the company is available on the company Website at www.bacgroup.com.

Our clients are operating in every part of the world and we regularly export to over 50 countries globally. BAC has recognised the importance of being able to offer clients truly international products and services, BAC now has representation in over 20 countries worldwide and these representatives are backed up by our Engineering, Standard Products, Electrical Engineering and Manufacturing Departments.

Rose Corrosion Services (RSCL) a trading division of BAC Corrosion Control Limited, based in Telford, UK, is a world class manufacturer specialising in chemical injection and corrosion monitoring and inhibition products. Working in the oil, gas, water and refining industries, RCSL has over 25 years of successful experience both in the UK and worldwide.

A more complete and detailed history of the company is available on the company Website:at www.rcslgroup.com.

RCSL corrosion monitoring and chemical Injection systems are now sold throughout the world via a chain of distributors and agents. RCSL products are compatible and interchangeable with similar equipment manufactured by others.

BAC Corrosion Control Limited (BAC) bought Rose Corrosion Services Limited (RCSL) in January 2011. RCSL is 100% owned by BAC and many of the procedures and policies for BAC also encompass RCSL activities.

For the purposes of vendor registration and prequalification, we wish to register BAC primarily, but also RCSL as a wholly owned subsidiary of BAC.

1.1 Company Registration Certificate

THE COMPANIES ACT 1985

Company No. **1394643**

The Registrar of Companies for England and Wales hereby certifies that

BAC CORROSION CONTROL LIMITED (originally called **GLOBAL CATHODIC PROTECTION LIMITED** which was changed on 28th June 1994 to **B A C GLOBAL LIMITED** which was changed on 14th February 1997 to **BAC CORROSION CONTROL LIMITED** each change having been made by special resolution) was incorporated under the Companies Acts 1948 to 1978 as a limited company on 17th October 1978. *****

Given at Companies House, Cardiff the **27th September 2007**



J A LANGHAM
for the Registrar of Companies



Companies House
for the record

2. COMPANY STRUCTURE AND ORGANISATION

2.1 Company Structure

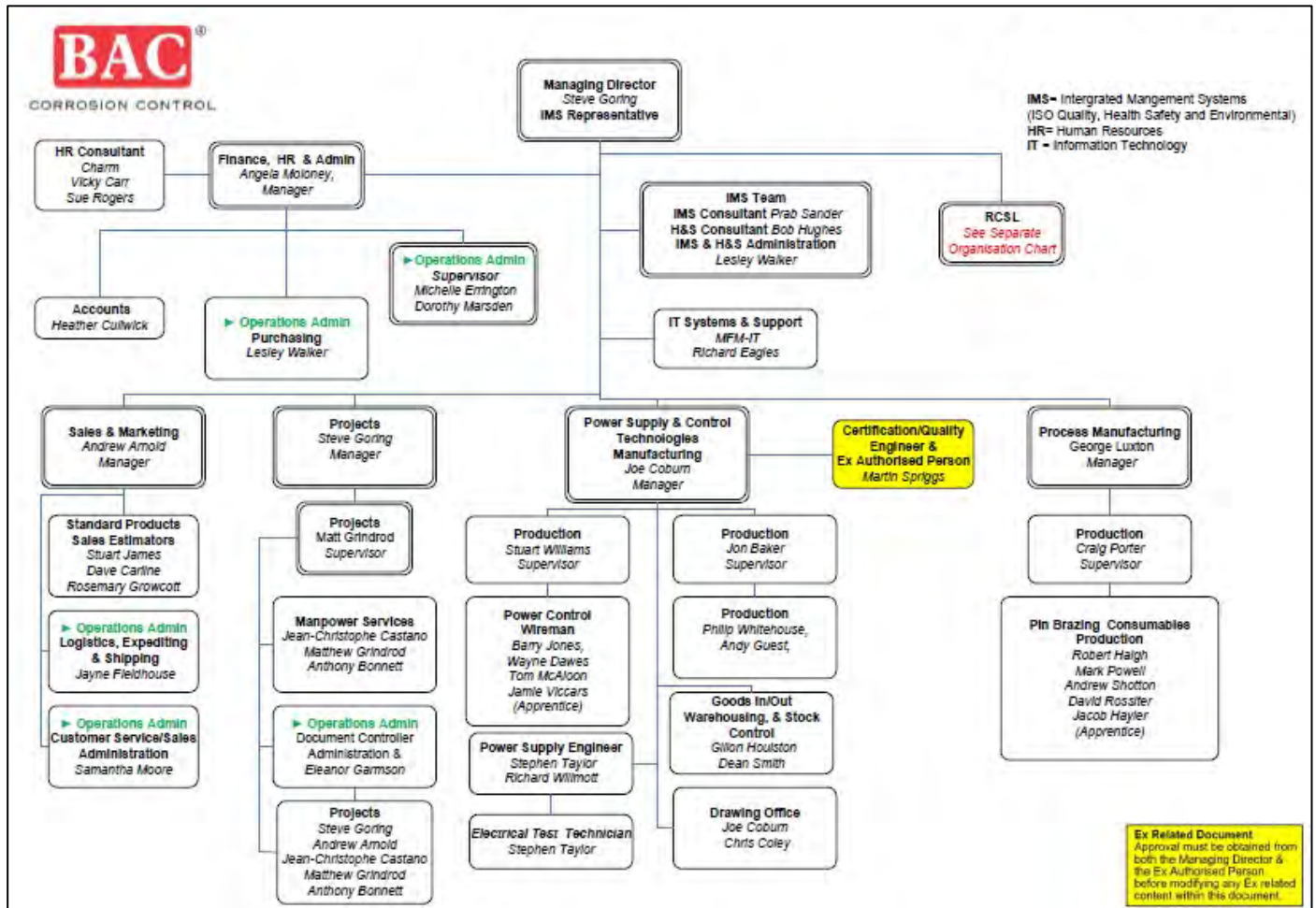
BAC is divided into 3 main business units which comprise:

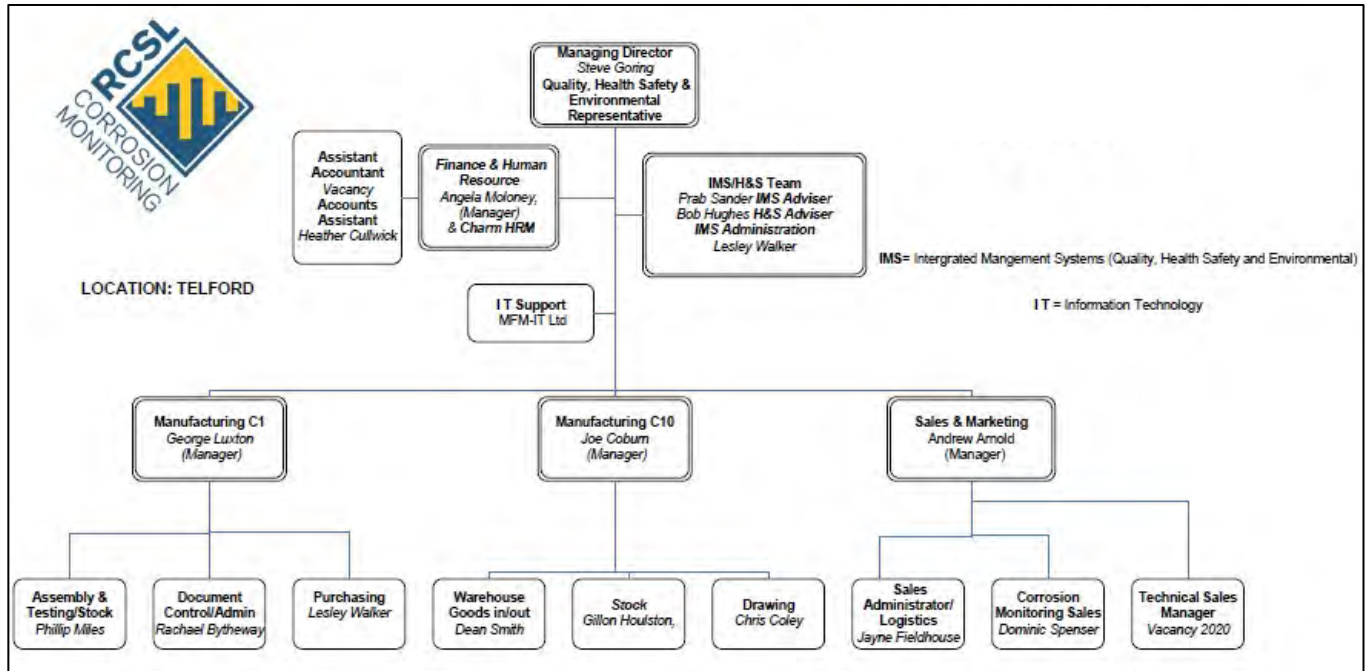
- **Engineering** , responsible for turnkey projects and consultancy, and for the direct supply of in-house or third party materials and equipment.
- **Standard Products** which deals with the core products of BAC including cathodic protection materials, pin brazing and power supplies.
- **RCSL** specialising in chemical injection and corrosion monitoring and inhibition products

The business units are supported by our Manufacturing units:

- Power Controls/Product Development department design and manufacture transformer rectifiers, switch mode power supplies, remote motoring software and electronic based products.
- Manufacturing is responsible for the production and assembly of cathodic protection materials that include the Easybond Pin Brazing equipment and consumables for the pipeline Industry and rail industry under the Bright-Bond brand.

2.2 Organisation Charts





2.3 Registered Office UK

BAC Corrosion Control Limited
 Stafford Park 11
 Telford
 Shropshire
 TF3 3AY
 Telephone: +44 (0) 1952 290321
 Fax: +44 (0) 1952 290325
 Email: sales@bacgroup.com
 Website: www.bacgroup.com



Rose Corrosion Services (RCSL)
 Stafford Park 11
 Telford
 Shropshire
 TF3 3AY
 Telephone: +44 (0) 1952 290321
 Fax: +44 (0) 1952 290325
 Email: sales@rcslgroup.com
 Web: www.rcslgroup.com



The rail division of BAC Corrosion Control Ltd is also based at the Telford offices:



CORROSION CONTROL

Brightbond
Stafford Park 11
Telford
Shropshire
TF3 3AY
Telephone: +44 (0) 1952 290321
Fax: +44 (0) 1952 290325
Email: sales@bacgroup.com
Website: www.bacgroup.com



2.4 Parent Company

BAC is a fully owned subsidiary of Granitor AB. The Granitor group operate in Scandinavian and international markets, primarily in the civil construction, industrial and environmental contracting sectors:

Granitor AB

Telegrafgatan 6 A
169 72 Solna Sweden
+46 10 470 70 00

2.5 Distributors & Agents for BAC

BAC has distributors and representation offices in the following countries:

AUSTRALIA – Pin Brazing Distributor

Tremco Pipeline Equipment Pty. Ltd
93 Bradman Street, Acacia Ridge, Queensland, 4110
Telephone: +61 7 3344 1066
Fax: +61 7 3344 1266
Email: sales@tremcopipeline.com.au
Website: www.tremcopipeline.com.au

CHINA – Pin Brazing Distributor

Beijing Muchuan Technical Development Company Limited
No: 811, Tower A, A. YongHe Plaza No. 28, An Ding Men Dong Street, Dong Cheng District, Beijing 100007
Telephone: +86 (0) 10 6409 7393
Fax: +86 (0) 10 6409 7391
Email: boloiwa@163.com

EGYPT

SPS Trading & Engineering)
22 Al-Gazaer st., New Maadi, Cairo, Egypt
Telephone: +202-275 450 54
Fax: +201 009869580
Email: A.Ahmed@SPS-Trading.com
Website: WWW.SPS-TRADING.COM

FINLAND

Tekimet OY
Kehäkuja 6, 05460 HYVINKÄÄ
Telephone: +358 19 415 520
Fax: +358 19 452 746
Email: markku.jokiperä@tekimet.fi
Website: www.tekimet.fi

GREECE

Neotek OE P. XYSTRIS & Co.
E. Venizelou 105, Nea Smyrni, Athens 17123
Telephone: +30 210 9341533
Fax: +30 210 9359778
Email: info@neotek.gr
Website: www.neotek.gr



CORROSION CONTROL

NETHERLANDS (Pin brazing, Zinc Tape & Surveyor Systems)

Merrem & la Porte B.V.

Postbus 50, 5300 AB Zaltbommel, The Netherlands

Telephone: +31 (0) 418 578880

Fax: +31 (0) 418 578258

Email: info@merrem.nl

Website: www.merrem.nl

QATAR

Middle East Engineering & Corrosion Control WLL

P O Box 311, Doha, State of Qatar

Telephone: +974 44600039

Fax: +974 44368116

Email: meecc@qatar.net.qa or mecster@gmail.com

UAE

BAC-MEECC

Room 211, Sarah Building, Garhoud, PO Box 36395, Dubai, UAE

Telephone: +971 4 282 6882

Fax: +971 4 282 6866

Email: bacmecc@emirates.net.ae

USA - Pin Brazing Importer

Galvotec Corrosion Services LLC,

300 Bark Road, Bldg. C-2, Harvey, LA 70058

Telephone: +1 504 362 7373

Fax: +1 504 362 7331

Email: djohnson@galvotec.com

Website: www.galvotec.com

USA - Pin Brazing Importer

GMC Electrical Inc,

1932 Lynx Place, Ontario, California. 91761

Telephone: +1 909 947 6016

Fax: +1 909 947 9430

Email: sales@gmcelectrical.net

Website: www.gmcelectrical.net

2.6 Distributors & Agents for RCSL

AUSTRALIA, NEW ZEALAND AND PAPUA NEW GUINEA

Tremco Pipeline Equipment Pty. Ltd
93 Bradman Street, Acacia Ridge Queensland 4110
Telephone: +61 7 3344 1066
Fax: +61 7 3344 1266
Email: sales@tremcopipeline.com.au
Website: www.tremcopipeline.com.au

BRUNEI

Corrtrol Synergy SDN. BHD.
No.14, Jalan BP 6/6, Bandar Bukit Puchong, 47120 Puchong, Selangor D.E.
Malaysia
Telephone: +603-8068 2616
Fax: +603-80603816
Email: kang.corrtrol@gmail.com and/or rais@corrtrolgroup.com
Website: www.corrtrolgroup.com

MALAYSIA

Rose Corrosion Services (Malaysia)
Sdn Bhd, 21400 Jalan Welfare, 47000 Sg Buloh, Selangor
Telephone: +603 6148 3902
Fax: +603 6148 3903
Email: liza@rosecorrosionservices.com.my

OMAN

AMRAN CP Systems and Service L.L.C.
Plot No.103/3, Road No.4, Rusayl Industrial Estate
Muscat, Sultanate of Oman.
Telephone: +968 24443013
Fax: +968 24443023
Email: dilip@amranest.com

UAE

Mazoun Technical Oilfield Services Co. L.L.C
P.O. Box -72510
Abu Dhabi, United Arab Emirates
Telephone: +971 2 626 22 37
Fax: +971 2 626 22 39
E-mail: mazoun@emirates.net.ae

2.7 BAC Distributes for

MC MILLER

BAC Corrosion Control are distributors for the MC Miller range of instruments and software for the corrosion and cathodic protection industry - built to take it. <http://www.mcmiller.com/>

TINKER & RASOR

BAC Corrosion Control Ltd are distributors for the Tinker and Rasor range of holiday detectors, pipe and cable locators, cathodic protection test stations and other corrosion related instruments. <http://www.tinker-rasor.com/>

3. OPERATIONS STRUCTURE

3.1 Organisation

BAC consists of an experienced engineering team as well as an extensive assembly and stores facilities in Telford, Shropshire, U.K.

This combination allows BAC to provide the highest standard of technical engineering and product supply directly to our clients. With our facilities and personnel, we offer complete design, supply and installation of cathodic protection and corrosion monitoring systems tailored to individual client's needs.

3.2 External Consultants

BAC Corrosion Control employs expert external consultants when additional specific expertise is required. Typically these consultants are Corrosion Specialists who work with BAC to ensure we provide our clients with the highest quality of service.

3.3 Sales & Marketing Manager

The Sales And Marketing Manager is responsible for all aspects of sales within the RCL, projects, manpower services and sales departments. The role also entails the appointment and support of our network of agents and distributors and development of our product and service range.

3.4 Manager of Engineering

The Engineering Manager is responsible for the cathodic protection project and manpower services departments of the company. Their knowledge and experience of CP design, installation, commissioning and testing is critical to the operation and allows proper guidance and development of all the engineering staff employed by BAC.

3.5 Project Engineers

Engineers with qualifications suited to and in accordance with the client's needs are appointed to a project. Should a contract be large enough, certain Engineers are appointed Senior Project Engineers and become responsible for a division of the project. All engineers are members of the Institute of Corrosion and/or NACE. BAC is a corporate member of both NACE and ICORR.

3.6 Product Development Manager

The Product Development Manager is in charge of all new product design and testing as well as technical support for existing equipment. Their brief is to develop robust and innovative products that deliver meaningful value propositions to the customer. These products span the full range of our activities from Cathodic Protection to Pin Brazing to Electrical Engineering.

3.7 Manufacturing Manager

The manufacturing manager is responsible for the safe and efficient operation of the manufacturing facility ensuring on time delivery and compliance with in house and where applicable, external QA/QC procedures for each product/project. Manufacturing and testing for the EasyBond and Bright-Bond range of pin brazing equipment is also carried out at our Telford, UK works

3.8 Information Technology

A Microsoft Small Business Server cloud based and Windows 7/10 professional operating system between all facilities provides for common information and easy communication through e-mail and remote server access.

3.9 Legal, Financial and Accounting

Fully qualified staff and utilising fully integrated accounting software ensures that all financial and accounting procedures are carried out in accordance with the client's own departments.

3.10 Insurance

This is to certify that we BAC Corrosion Control Limited hold the following insurance:-

Employers Liability

AVIVA plc
Policy Number 100540616CC1
Policy Holder BAC Corrosion Control Limited UK
Insured BAC Corrosion Control Limited UK
Renewal date 31st December annually

Minimum Amount of cover GBP 5,000.000

General Liability & Products Liability

Moderna Försäkringar

Policy Number LP0000051408
Policy Holder Midroc Europe AB
Insured BAC Corrosion Control Limited UK
Renewal Date 1st January annually

Limit of Indemnity USD 5,700,000 per occurrence and in annual aggregate
Territorial limits Worldwide

Professional Indemnity (Technical Consultants)

Moderna Försäkringar

Policy Number LP0000051408
Policy Holder Midroc Europe AB (556622-8838)
Insured BAC Corrosion Control Limited UK
Renewal Date 1st January annually

Limit of Indemnity GBP 1,550,000 per claim and in annual aggregate
Territorial limits Worldwide

3.11 Quality , Health, Safety & Environmental

Quality Health | Safety and Environmental Policy Statement **Strategic Direction ISO 9001 2015 | ISO 45001 2018 | ISO 14001 2015 | ISO 80079-34** **2018**

Management System Standards

Scope and Organisational Context

Bac Corrosion Control Ltd has over 65 years of industry experience offering customers a comprehensive and bespoke corrosion control service from corrosion monitoring, corrosion protection (CP) system design, manufacturing, product supply, site services to consultancy and training. BAC provides a full range of Products and Services in the field of CP including system designs and survey activities right through to installation testing and commissioning surveys and on to maintenance and inspection programmes.

Strategic Direction

Our philosophy is based on a commitment to a full understanding of our client's requirements by ensuring that all pre-contract documentation relating to a contract is reviewed by the project management team, with the project specifications having been examined the most appropriate method of working is then determined through our Integrated Management Systems (IMS) and processes.

It is BAC Corrosion Control Limited (BAC) including (RCSL) policy that all its employees and sub-contractors are trained and assessed in order to satisfy identified compliance obligations. Our aim is to ensure employees and sub-contractors perform competently and safely in their respective tasks and responsibilities.

We are committed to the following within our Quality, Health & Safety, and Environmental Policy

- Delivering products and services that meet statutory, regulatory and other applicable requirements.
- Considering the needs and expectations of our identified interested parties. We hold customer satisfaction at the highest priority. All of our documented processes are reviewed regularly and Internal audits of our Integrated Management System (IMS) are carried out at regular intervals to capture areas of continual improvement.
- Controls associated with externally provided activities will be monitored to provide the highest quality products and services to our customers.
- Our objectives and targets have been derived from this integrated policy in line with our strategic direction. We monitor and review our objectives and targets regularly to ensure that the intended outcomes have been met.

- The prevention of pollution and protection of the environment. We endeavour to limit our environmental foot print by evaluating our significant impacts and aspects. The environmental awareness of our business activities is managed through the requirements of ISO 14001:2015.
- Eliminating hazards and reducing associated risk. We ensure a safe and healthy working environment and where possible, prevent the root cause of any work-related injury or ill health. We encourage the participation of employees in making decisions relating to health and safety to ensure their general well-being.
- We have considered the context of our organisation, assessing any internal/external factors relating to our business. Our IMS enables us to evaluate internal and external risks and maximise our opportunities to promote an environment of continual improvement.
- This policy statement is communicated to all personnel within the organisation and is reviewed at set frequency intervals through internal audit and management review.

All staff at BAC Corrosion Control Limited are aware of their responsibilities within our management system standards and are committed to its future achievement and success. The company supports the appropriate training and awareness to ensure the required skills and business knowledge are maintained to the levels expected.

This policy will be available to our external interested parties where appropriate and is displayed throughout key areas of the business.

ISO 9001:2015 Quality Management System Certificate





CERTIFICATE OF REGISTRATION

This is to certify that

BAC Corrosion Control Ltd
Stafford Park 11
Telford
Shropshire
TF3 3AY

has been audited and found to meet the requirements of standard
ISO 9001:2015 Quality Management System

Scope of certification
Design, Manufacture, Supply and Installation of Cathodic Protection Systems and Components, Power Control Systems and Pinbrazing Equipment. Provision of Cathodic Protection and Pinbrazing Services. Product Stockholder, Specialist Distributor and Supplier of Cathodic Protection and Pinbrazing Equipment.

Design, Development, Manufacture and Supply of Corrosion Monitoring, Chemical Injection and Material Testing Systems for use in the Oil, Gas, Petrochemical, Water Utility and Civil Engineering Industries.



Karen Prendergast
Divisional Director - Certification
BM TRADA

Certificate number: 6060
Issue number: 2020-02
Certificate effective date: 17 March 2020
Certificate expiry date: 22 May 2023
Date of initial certification: 23 May 2008

Issuing Office: Warrington/TW Testing and Certification Limited t/a BM TRADA Chiltern House, Stocking Lane, High Wycombe, Buckinghamshire, HP14 4ND, UK
Registered Office: 10 Lower Grosvenor Place, London, United Kingdom, SW1W 0EH Reg.No. 11271436

This certificate remains the property of BM TRADA. This certificate and all copies or reproductions of the certificate shall be returned to BM TRADA or destroyed if requested. Further clarification regarding the scope of this certificate and verification of the certificate is available through BM TRADA or at the above address or at www.bmtrada.com/certified-companies/check-a-certificate

The use of the UKAS accreditation mark indicates accreditation in respect of those activities covered by the accreditation certification number 012. For further information on bmtrada activities covered by UKAS accreditation please go to <https://www.ukas.com/sectors-general/industrial-corporation>

Multisite clients - The scope of certification shown above includes the participating sites shown in appendix A

ISO 45001:2018 Occupational Health and Safety Management System Certificate

  	 CERTIFICATE OF REGISTRATION This is to certify that BAC Corrosion Control Ltd Stafford Park 11 Telford Shropshire TF3 3AY has been audited and found to meet the requirements of standard ISO 45001:2018 Occupational Health and Safety Management System Scope of certification Design, Manufacture, Supply and Installation of Cathodic Protection Systems and Components, Power Control Systems and Pinbrazing Equipment. Provision of Cathodic Protection and Pinbrazing Services, Product Stockholder, Specialist Distributor and Supplier of Cathodic Protection and Pinbrazing Equipment. Design, Development, Manufacture and Supply of Corrosion Monitoring, Chemical Injection and Material Testing Systems for use in the Oil, Gas, Petrochemical, WaterUtility and Civil Engineering Industries. BAC Corrosion Control Ltd is deemed to satisfy and is registered to the SSIP Accredited Registered Scheme, which covers all ISO 45001:2018 certified sites detailed in this certificate, for the duration of this certificate and for the following CDM categories (SSIP Approved, Contractor and Designer). This certificate on its own should not be considered evidence of registration. To verify this organisations registration please go to the SSIP Portal: http://www.ssiportal.org.uk/Home  Karen Prendergast Divisional Director - Certification BM TRADA Issuing Office: Warrington Fire Testing and Certification Limited t/a BM TRADA Chiltern House, Stocking Lane, High Wycombe, Buckinghamshire, HP14 4ND, UK Registered Office: 10 Lower Grosvenor Place, London, United Kingdom, SW1W 0EN Reg.No. 11371436 This certificate remains the property of BM TRADA. This certificate and all copies or reproductions of the certificate shall be returned to BM TRADA or destroyed if requested. Further clarification regarding the scope of this certificate and verification of the certificate is available through BM TRADA or at the above address or at www.bmtrada.com/verified-companies/check-a-certificate The use of the UKAS accreditation mark indicates accreditation in respect of these activities covered by the accreditation certification number 012. For further information on bstrada activities covered by UKAS accreditation please go to: https://www.ukas.com/search-accredited-organisations Multisite clients - The scope of certification shown above includes the participating sites shown in appendix A
Certificate number: 228 Issue number: 2020-02 Certificate effective date: 17 March 2020 Certificate expiry date: 22 May 2023 Date of initial certification: 18 September 2008	

ISO 14001:2015 Environmental Management System Certificate

  	 <p>CERTIFICATE OF REGISTRATION</p> <p>This is to certify that</p> <p>BAC Corrosion Control Ltd Stafford Park 11 Telford Shropshire TF3 3AY</p> <p>has been audited and found to meet the requirements of standard ISO 14001:2015 Environmental Management System</p> <p>Scope of certification Design, Manufacture, Supply and Installation of Cathodic Protection Systems and Components, Power Control Systems and Pinbrazing Equipment. Provision of Cathodic Protection and Pinbrazing Services. Product Stockholder, Specialist Distributor and Supplier of Cathodic Protection and Pinbrazing Equipment.</p> <p>Design, Development, Manufacture and Supply of Corrosion Monitoring, Chemical Injection and Material Testing Systems for use in the Oil, Gas, Petrochemical, Water Utility and Civil Engineering Industries.</p> <p> Karen Prendergast Divisional Director - Certification BM TRADA</p> <p><small>Issuing Office: Warringtonfire Testing and Certification Limited t/a BM TRADA Chiltern House, Stooking Lane, High Wycombe, Buckinghamshire, HP14 4ND, UK Registered Office: 10 Lower Grosvenor Place, London, United Kingdom, SW1W 0EN Reg.No. 11371436</small></p> <p><small>This certificate remains the property of BM TRADA. This certificate and all copies or reproductions of the certificate shall be returned to BM TRADA or destroyed if requested. Further clarification regarding the scope of this certificate and verification of the certificate is available through BM TRADA or at the above address or at www.bmtrada.com/certified-organisations/check-a-certificate</small></p> <p><small>The use of the UKAS accreditation mark indicates accreditation in respect of those activities covered by the accreditation certification number 012. For further information on bmtrada activities covered by UKAS accreditation please go to: https://www.ukas.com/search-accredited-organisations</small></p> <p><small>Multisite clients - The scope of certification shown above includes the participating sites shown in appendix A</small></p>
<p>Certificate number: 1749</p> <p>Issue number: 2020-01</p> <p>Certificate effective date: 8 July 2020</p> <p>Certificate expiry date: 22 May 2023</p> <p>Date of initial certification: 8 October 2010</p> <p>Previous certificate expiry: 22 May 2020</p> <p>Date of last recertification audit: 24 February 2020</p>	

3.12 Work safety statistics

Work safety statistics															
Company: BAC Corrosion Control	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006
First aid cases	2	0	5	6	4	2	1	10	0	2	7	5	13	4	10
Near Misses	3	9	6	3	5	1	3	14	6	3	11	7	3		
Environmental Incidents	0	0	2	2	0	0	3	2	2						
Lost time accidents	0	0	1	0	1	0	0	0	0	0	1	1	1	0	0
Restricted workday cases	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Incidents	0	0	0	0	0	0	3	16	8	0	8	7		7	0
Total lost manhours	4	0	15	0	15	0	0	0	0	0	237	19.5	73	0	0
Total manhours worked	63948	60067	59710	54597	48726	51955	50034	50156	50924.5	49494	49494	49819	46080	54896	50565
Average number of employees	40	37	37	35	32	33	32	31	30	33	33	32	32	32	30
Frequency rate	0.00	0.00	16.75	0.00	20.52	0.00	0.00	0.00	0.00	0.00	20.20	20.07	21.70	0.00	0.00
Accident rate	0.00	0.00	27.03	0.00	31.25	0.00	0.00	0.00	0.00	0.00	30.30	31.25	31.25	0.00	0.00

Frequency rate = $\frac{\text{No of lost time accidents} \times 1\,000\,000}{\text{Total manhours worked}}$

Accident rate = $\frac{\text{No of lost time accidents} \times 1\,000}{\text{Average No of employees}}$

Compilation of absence due to illness for the annual report

Company: BAC Corrosion Control	2020	2019	2018	2017	2016	2015	2014	2013	2012	2011	2010	2009	2008	2007	2006
Total regular working-hours, in hours	63948	60067	59710	54597	48726	51955	51973	51246	51457	48668	49494	49819	46080	54896	51150
Total absence due to illness, in hours	1069.45	2777	2714	2214	645	1000	1212	90	532.5	757.5	1358	1843	540	1132	585
Total absence due to illness, in percentage of total regular working-hours	1.67%	4.62%	4.55%	4.05%	1.29%	1.9%	2.3%	0.18%	1.03%	1.56%	2.74%	3.70%	1.17%	2.06%	1.14%
Absence due to illness over 60 days, in percentage of total absence due to illness	85.23%	33%	58%	46%	0%	0%	41%	0%	0%	1%	0%	97%	0%	0%	0%

Annual working-hours is calculated as number of ordinary working days during year minus number of holidays multiplied with normal number of working hours per day X number of employees. If there are many employees who have been employed only part of the year, annual working hours have to be corrected accordingly.

3.13 Certification



NACE Certificate of Corporate Membership



Institute of Corrosion Certificate



Achilles UVDB Certificate

3.14 Achilles/UDVB Certification



Certificate of Audit

This is to certify that

BAC Corrosion Control Ltd

has achieved the following standards through assessment for Safety, Health, Environmental and Quality practices and procedures as a registered supplier on Category B2.

	Score
MSE-HEALTH & SAFETY AUDIT SCORE	100
MSE-ENVIRONMENTAL AUDIT SCORE	100
MSE-QUALITY AUDIT SCORE	92
MSE-CORPORATE & SOCIAL RESPONSIBILITY AUDIT SCORE	100
SITE-HEALTH & SAFETY AUDIT SCORE	100
SITE-ENVIRONMENTAL AUDIT SCORE	100
SITE-QUALITY AUDIT SCORE	100
SITE-CORPORATE & SOCIAL RESPONSIBILITY AUDIT SCORE	100



Jay Katzen
Chief Executive Officer
Achilles



UVDB



AUDITED

AchillesID: 00022486
Expiry Date: 20 April 2022

Achilles Information Limited conducted this assessment on behalf of all Verify subscribing companies.

3.15 Employee Resumes

BAC aims to provide clients with the highest quality of expertise and service; as such personnel are all highly qualified and trained.

Detailed resumes of the BAC staff can be provided if needed.

3.16 Hazardous Area Certification



BAC Corrosion Control Ltd manufacture a wide range of hazardous area rated power supply, control and surge protection equipment including a range of transformer rectifiers which have been independently approved and certified for Zone 1 and 2 classification. All units manufactured by BAC are accredited by a notifying body and are certified to ATEX , UK Ex or IEC Ex classification standards.

- Features
- Approved for zones 1, 2, 21 & 22
- Both manual control and auto potential control
- Bespoke design to meet customer size requirements –
- Viewing window for ease of monitoring
- High quality paint finish
- Surge protection
- Audited systems with complete traceability
- Unit Testing

Prior to dispatch all units undergo rigorous testing.

- All TR units are built and tested to BS EN 60079 Explosive atmospheres and BS EN 61439 Low voltage switchgear and control gear assemblies
- Technical Datasheet available upon request
- Flexibility Offered
- Single or multi-channel channel units
- Choice of non-synchronous timer / - GPS synchronous timer
- Options for Remote Monitoring and Control
- Phase fail alarm option
- Over temperature alarm option
- Digital meters

Certification as shown on next page.


UK Quality Assurance Notification CML 21UKQAN13184 Issue 0

- Equipment or Protective Systems or Components intended for use in Potentially Explosive Atmospheres UK 012016 No. 1107 (as amended by UKSI 2019-096) – Schedule 3A, Part 2 and Part 5
- The scope of this notification extends to equipment, protective systems or components:
Oil Filled Transformer Rectifiers Protection methods: **Flameproof Ex d Increased safety Ex e Dust Protected Ex t Oil Immersion Ex o**

All current certificates issued by Eurofins CML within the above scope and other Approved Body certificates acknowledged by Eurofins CML.

- Applicant **BAC Corrosion Control Ltd**
- Manufacturer **BAC Corrosion Control Ltd**
- Address **Stafford Park 11, Telford, Shropshire, TF3 3AY, UK**
- Eurofins E&E CML Limited, Newport Business Park, New Port Road, Ellesmere Port CH85 4LZ, UK, Approved Body Number 2623 in accordance with Regulation 42 of the Equipment and Protective Systems Intended for Use in Potentially Explosive Atmospheres Regulations 2016, UKSI 2016 1107 (as amended by UKSI 2019-096), notifies the Applicant that the Manufacturer has a quality system which complies with Schedule 3A, Part 2 and Part 5 of the Regulations.
- This Notification is based upon audit report R13639A/00
- This Notification may be withdrawn if the manufacturer does not satisfy the requirements of the Regulation of UK Statutory Instruments or surveillance.
- This Notification is valid until the date shown below unless withdrawn. The results of periodical re-assessment form part of this Notification.
- According to Regulation 41, the UKCA mark shall be followed by the identification number 2623 to identify the Approved Body responsible for conducting the production control assessment.
- Notification summary

Initial issue	Issue date	Issue date	Expiry
0	11 Jan 2021	11 Jan 2021	03 Dec 2023


 Andy C Smith
 Managing Director

This Notification shall only be copied in its entirety and without change. Version: 1.0 Approval: Approved




Quality Assurance Notification CML ATEXQ13639 Issue 0

- Equipment or Protective Systems or Components intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- The scope of this notification extends to equipment, protective systems or components:
Oil Filled Transformer Rectifiers Protection methods: **Flameproof Ex d Increased safety Ex e Dust Protected Ex t Oil Immersion Ex o**

All current certificates issued by CML B.V. within the above scope and other Notified Body certificates acknowledged by CML B.V.

- Applicant **BAC Corrosion Control Ltd**
- Manufacturer **BAC Corrosion Control Ltd**
- Address **Stafford Park 11, Telford, Shropshire, TF3 3AY, UK**
- CML B.V. Koopvaardijweg 32-34, 4805 CV Oosterhout, The Netherlands, Notified Body Number 2776 for Annexes IV and VII in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, notifies the applicant that the manufacturer has a quality system that complies with Annex IV and Annex VII of the Directive.
- This Notification is based upon audit report R13639A/00
- This Notification may be withdrawn if the manufacturer does not satisfy the requirements of the Directive or surveillance.
- This Notification is valid until the date shown below unless withdrawn. The results of periodical re-assessment form part of this Notification.
- According to Article 16, 3 of Directive 2014/34/EU the CE mark shall be followed by the identification number 2776 to identify the Notified Body responsible for conducting the production control assessment.
- Notification summary

Initial issue	Issue date	Issue date	Expiry
0	10 Dec 2020	10 Dec 2020	03 Dec 2023


 Andy C Smith
 Managing Director

This Notification shall only be copied in its entirety and without change. Version: 4.0 Approval: Approved



IECEx Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
 IEC Certification System for Explosive Atmospheres

Certificate No.: **IECEx CML 20.0051X** Page 1 of 3 [Certificate history](#)
 Status: **Current** Issue No: 0
 Date of issue: **2021-01-12**
 Applicant: **BAC Corrosion Control Limited**
 Stafford Park 11
 Telford
 Shropshire TF3 3AY
 United Kingdom
 Equipment: **Oil Filled Transformer Rectifier - Infinity Thyristor**
 Optional accessory:
 Type of Protection: **Oil Filled "d", Flameproof "n", Increased Safety "e", Dust "t"**
 Marking: **Ex db st eb III T₁ Db**
 Ex IIb Max 110°C Db
 Tamb: up to +62°C to +68°C
 T₁/T₂/T₃ – The T₁ assigned maximum surface temperature are dependent on the ratings and on the parts fitted.
 # – Gas Group is dependent on the parts fitted
 ## – Dust Group is dependent on the parts fitted
 db is included for completeness as a result of use with previously certified flameproof equipment
 The variable marking parameters are defined on the manufacturer's drawings and the requirements for determining the parameters to be marked are defined in the Conditions of Manufacture, refer to Annex.

Approved for issue on behalf of the IECEx
 Certification body:
 Problem:
 Signature: (for printed version)
 Date:

A Snowden MIET
 Assistant Certification Manager

 2021-01-12

1. This certificate and schedule may only be reproduced in full.
 2. This certificate is not transferrable and retains the property of the issuing body.
 3. The status and authenticity of this certificate may be verified by visiting www.iecex.com or via the QR Code.



Certificate issued by:
 Eurofins E&E CML Limited
 Unit 5, Newport Business Park
 New Port Road
 Ellesmere Port, CH85 4LZ
 United Kingdom



4. FINANCIAL

4.1 Financial Reports

Annual abbreviated audited accounts can be requested if needed

4.2 Trade References

- | | |
|--|--|
| 1) Premier Cables Ltd
Unit 11,
Humphrys Road,
Woodside Industrial Estate,
Dunstable,
Bedfordshire,
LU5 4TP
Telephone: 01582 665070
Fax: 01582 665060
Monthly Turnover approx. £10,000
10 years + | 2) Specialised Wiring Accessories
Abbey Mills
Charfield Road
Kingswood
Wotton-under-Edge
Gloucestershire
GL12 8RL
Telephone: 01453 844333
Fax: 01453 842224
Monthly Turnover approx. £7,500
10 years + |
|--|--|

5. COMPANY CAPABILITY

5.1 Market Areas

BAC's Engineering and Material supply services have been successfully utilised across a wide range of industries and particularly in the following sectors:-

- **Pipelines**
 - High Pressure Oil & Gas
 - Water, Main Feeder & Distribution
 - Fuel Products
 - District Heating & Steam

- **Marine**
 - Floating Dolphins/Pontoons
 - Jetties, Piers and Offshore Structures
 - High Speed Water Jet Powered Craft
 - Pleasure Boats

- **Power Stations**
 - Screening Areas
 - Intake Pumps and Outlet Pipe work
 - Condenser Water Boxes

- **Industrial**
 - Bulk Storage Tanks and Fuel Supply facilities
 - Gas Production - Treatment and Liquefaction
 - Oil Production Facilities – Injection and Oil Well Casings
 - Refineries & Petro-Chemical Complexes
 - Pressure Vessels

- **Steel in Concrete**
 - Bridge Decks
 - Car Parks
 - Steel Framed Buildings
 - Water Intake Structures
 - Foundations

- **Railways – (Bright Bond)**
 - Intercity Railways
 - City, Metro/tram systems and Underground Railways

Size of Contract

The resources of BAC and the parent company Granitor combine to enable the largest projects to be undertaken, as well as small, highly specialised contracts. Full financial resources are documented in the Group's Annual Reports Accounts and Interim Statements.

5.2 Operational Divisions Projects and Manpower Services

BAC provides clients with a complete engineering and technical service, undertaking audits, surveys, technical specifications and designs corrosion prevention systems, as well as manufacturing, installation and supervision of equipment during fabrication and construction.

BAC provides any one, or all of the following services for all corrosion prevention/control systems:-

- Consultancy
- Initial Feasibility and Surveys
- Design
- Specifications, Procedures, Method Statements and Drawings
- Procurement and Supply
- Installation and Installation Supervision
- Commissioning and Maintenance
- Training
- Seminars

BAC Products

BAC maintains a comprehensive manufacturing facility in its modern United Kingdom based headquarters. A wide range of products are stocked and manufactured at this location. Catalogues and brochures of all product ranges are available upon request or directly from www.bacgroup.com.

BAC's product range is constantly updated in keeping with technical developments and customer requirements.

BAC's extensive Products Catalogue Index is listed below:

1.0 Cathodic Protection Materials & Consumables
1.1 Magnesium Anodes
1.2 Zinc Anodes
1.3 Aluminium Anodes
1.4 Silicon Iron & Graphite Anodes
1.5 Mixed Metal Oxide Anodes
1.6 Transformer Rectifier Equipment
1.7 Carbonaceous Earth Contact Backfill
1.8 Cathodic Protection Cable & Accessories - Splice Kits
1.9 Test Facilities, Marker Posts And Accessories
2.0 Pipeline Isolation Devices & Accessories
2.1 Pipeline Insulation Flange Kits
2.2 Pipeline Isolation Joints
2.3 Explosion Proof Spark Gap
2.4 Earthing Electrodes
2.5 Casing Insulators & End Seals
2.6 Pipeline Link Seals
3.0 Test Survey & Location Equipment
3.1 Close Interval Potential Survey Equipment & DCVG Equipment
3.2 Insulating Flange Tester
3.3 Soil Resistivity Meters & Accessories
3.4 Pipeline Location & Pearson Survey Equipment
3.5 Reference Electrodes
3.6 Holiday Detector Equipment
4.0 Coatings
4.1 Handy Caps
4.2 Isozin Zinc Tape
5.0 Pin Brazing
5.1 Easybond, BB2, Easybond Reach System (EBRS), Consumables & Spares
6.0 Steel in Concrete
6.1 LPR Ladder Probes
6.2 Retrofit LPR Probes
6.3 LPR Corrosion Rate Meter
6.4 Portable LPR Probe Set
6.5 ZRA Roll Anodes
6.6 GSC Super Anode
6.7 MMO Discrete Anodes
6.8 MMO Mesh Anode

6.9 MMO Mesh Ribbon Anode

RCSL Products

BAC/RCSL maintains a comprehensive manufacturing facility in its modern United Kingdom based headquarters. A wide range of products are stocked and manufactured at this location. Catalogues and brochures of all product ranges are available upon request or directly from www.rcslgroup.com.

RCSL's product range is constantly updated in keeping with technical developments and customer requirements.

RCSL's extensive Products Catalogue Index is listed below:

1.0 Corrosion Monitoring
1.1 Electrical Resistance Probes & Accessories
1.2 Linear Polarisation Resistance Probes & Accessories
1.3 MS Instrumentation
1.4 Weight Loss Coupons
1.5 Miscellaneous
1.6 Access Fittings
1.7 Chemical Injection

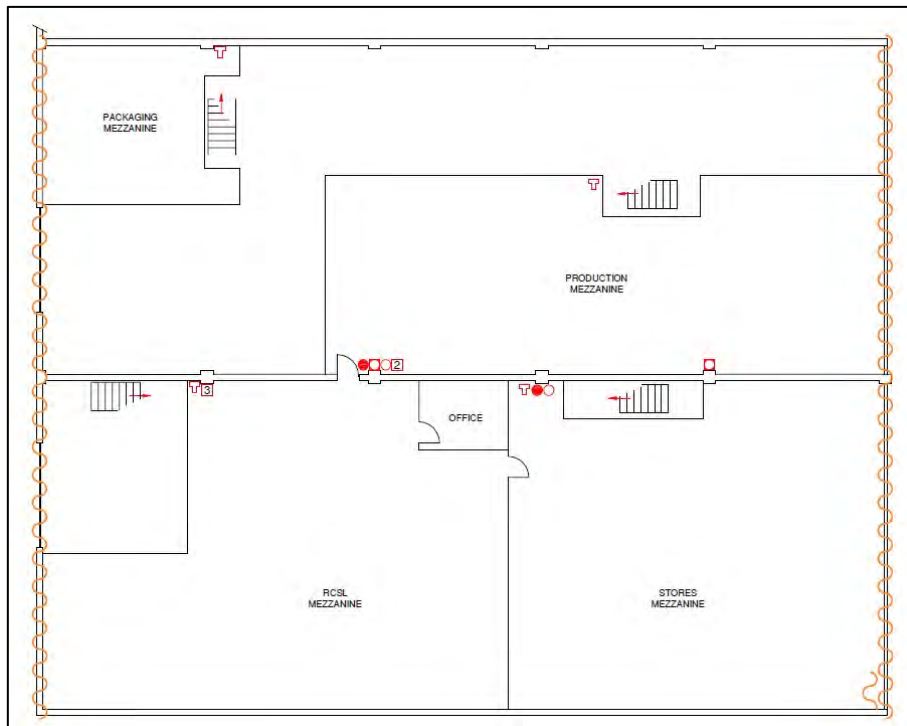
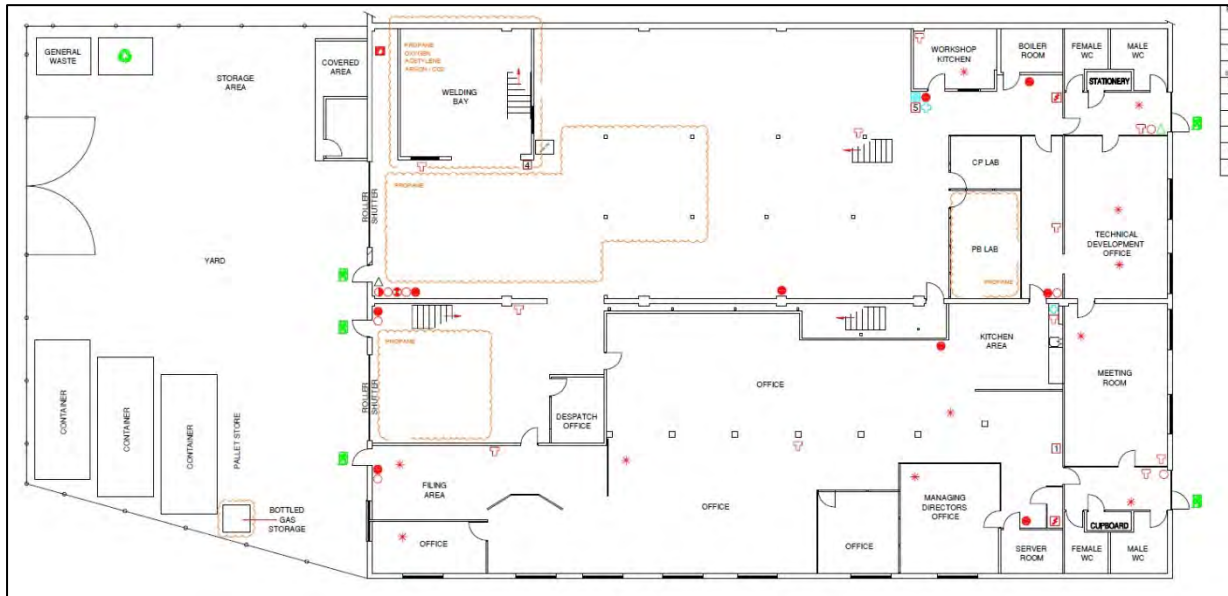
5.3 Office Facilities & Capabilities

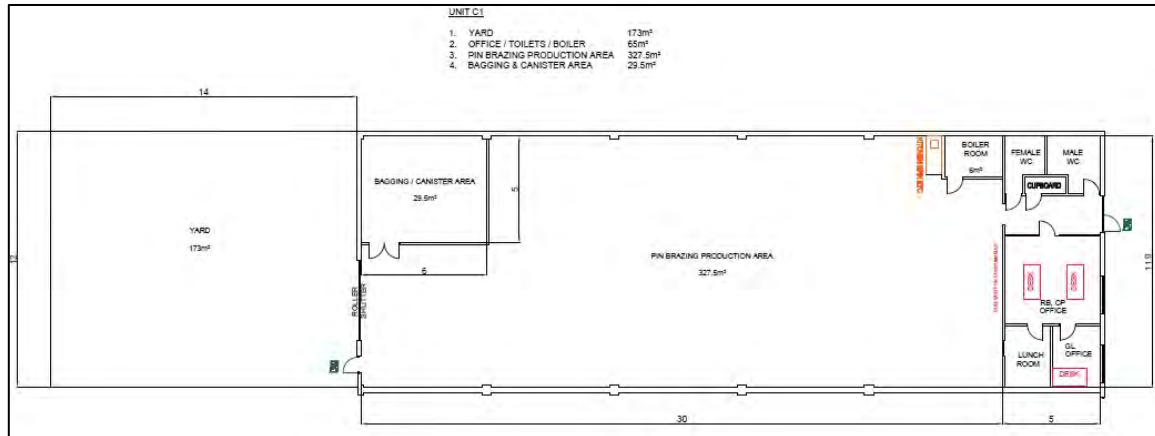
BAC's head office in Telford has a fully up to date IT system with a full Windows based network, Email:system, Website:hosting (www.bacgroup.com) and running Microsoft Office 365 suite of programs. Our drawing office is currently running Solidworks 2013 and Autocad 2013.

BAC will continue to invest in infrastructure, manufacturing, distribution, customer service, new products and engineering services to meet the needs of the industries that we serve.

The office space is in the region of 370.5m², layout below of premises including workshop and storage.

5.4 Workshop Facilities & Capabilities





The workshop facilities house automatic machinery used in the manufacture and production process of some of the BAC product range. Power press machines and an integrated compressed air system contribute in producing all products to ISO 9001:2008 standards. In the future, it is hoped that the manufacturing premises will develop into an independent facility with the needed control to ensure on time deliveries. The workshop and despatch area is 533m².

BAC facilities meet all necessary standards regarding Health & Safety, with a company accident book, accident recording and near miss recording procedure in place to protect the employees.

All machines in the workshop are maintained according to the manufacturer's specifications, and where possible, are maintained by the manufacturer themselves.

Installed Equipment in BAC's plant

- 1 ALT 25 ton rated power press
- 1 ALT 40 ton rated power press
- 1 EMI-MEC Autosprint
- 6 EMI-MEC Microsprint
- 1 Milling machine
- 2 Standard lathes
- 1 Guyson washing machine (Industrial)
- 1 Airtower (Air compressor)
- 1 Hydrotest rig
- Bespoke Pin Manufacturing equipment

5.5 Storage Facilities & Capabilities

BAC has storage and archiving facilities covering in the region of 351m². This space is used as a store for archived documentation and stock storage.

5.6 Outside Yard Area

Additional storage and work areas cover 328m².

5.7 Suppliers to BAC

BAC selects suppliers by filtering possible companies through the ISO 9001 Quality Systems using probing questionnaires, references and supplier audits as necessary. All records of these filtering methods are kept for future use.

Responsible Sourcing Policy

BAC Corrosion Control Limited (including RCSL) (BAC) specialises in the following

BAC Corrosion Control Limited (including RCSL) (BAC) specialises in the following activities:

- Design, Manufacture and Supply of Cathodic Protection Systems, Components and Pin Brazing equipment.
- Provision of Cathodic Protection and Pin Brazing Services. Product Stockholder, specialist Distributor.
- Supplier of Cathodic Protection and Pin Brazing Equipment.
- Design, Development, Manufacture and Supply of Corrosion Monitoring, Chemical Injection and Material Testing Systems for the use in the Oil, Gas, Petrochemical, Water Utility and Civil Engineering Industries.

BAC Corrosion Control Limited recognises the need to provide confidence to its customers, employees and other interested parties that materials used in manufacturing, installation, transportation and other services associated within the business are responsibly sourced and that the business is operated in a sustainable and ethical manner. The BAC - Integrated Management System (IMS) meets the requirements described in BES 6001:2009 - Framework Standard for the Responsible Sourcing of Construction Products.

These requirements are fulfilled as follows:

- BAC will comply with the principles of BS EN ISO 9001:2015 - Quality Management System, BS EN 14001:2015 - Environmental Management, BS ISO 45001:2018 - Occupational Health & Safety Management Systems and any other relevant standards or documents which augment these including the adherence to Statutory and Regulatory requirements.
- BAC will reduce greenhouse gas emissions associated with its business, as described in the IMS Environmental and Energy Policies as a strategic business objective, in order to minimise their contribution to global warming. BAC will maintain metrics for measuring and reducing greenhouse gas emissions relating to manufacturing activities, products, installation, transportation and other services. The company will also maintain metrics to measure and reduce energy and mains water consumption, raw material usage and waste generation so as to minimise their associated environmental impacts.
- BAC will be responsible stewards of sites occupied in operating its business.

- BAC will supply life cycle assessment data for its products as and when required.
- BAC will operate a suitable supply chain management system within the IMS. Where possible as an organisation we will work with local suppliers to create value and contribute to the local economy.
- BAC will operate an ethical business and support the principles of Equal Opportunity in employment and in the provision of its services. The company recognises the importance of developing a skilled and competent workforce.
- BAC will engage with the local community on business matters and by providing employment opportunities. We will also engage with trade associations, government bodies, industry committees and other parties to deliver a sustainable built environment in a manner that is profitable, ethical and operates within pre-determined environmental limits.

The Managing Director has given the purchasing officer/s full authority to carry out the purchasing functions in line with the Company authority levels latest revision of document number BAC-09-QD-057 and the associated Midroc policies.

6. COMPANY EXPERIENCE

6.1 BAC Engineering Experience

Projects have been undertaken and successfully completed by BAC's engineering department since 1999, involving the following services:

- Consultancy
- Initial Feasibility and Surveys
- Design
- Specifications
- Procedures
- Method Statements and Drawings
- Procurement and Supply
- Installation and Installation Supervision
- Commissioning and Maintenance
- Training and Materials/ Products Supply

6.2 BAC Experience

A small selection of major projects and supply contracts undertaken in the last 5 years are listed as follows , a more comprehensive list is available on request:

Year	Client	Project/Supply	Country	Market
2021	Renco SpA	Everdrup Compressor Station	Denmark	Plant
2020	Petrojet	36 Crude Oil and Water Storage Tanks	Egypt	Plant
2020	G.E.	Datan Power Plant	Taiwan	Power
2020	Tengizchevroil	Hazardous Area TR Units	Kazakhstan	Plant
2020	Yorkshire Water	CP Rehabilitation	UK	Pipelines
2019	Tunn3l	Copenhagen Metro	Denmark	Steel In Concrete
2019	WEC	Columbo Airport Expansion	Sri Lanka	Pipelines
2019	Promanec	AGOCO Pipelines	Libya	Pipelines
2018	Renco-Terna JV	TAP Project	Greece / Italy / Albania	Pipelines
2018	Exxon Mobile	West Qurna 1 Project	Iraq	Steel in Concrete
2018	Powertonics Energy Systems	Fatima Fertilizer Project	Pakistan	Industrial
2017	GAP Insaat	Turkmenbashi International Seaport / Design & Supply	Turkmenistan	Marine
2017	Tengizchevroil	Future Growth Project / Materials Supply	Kazakhstan	Pipelines
2016	Saipem	SSGAS Project / Materials Supply	Nigeria	Plant
2016	Bechtel	West Nile Delta / Materials Supply	Egypt	Plant
2016	Kortek	TANAP / Materials Supply	Turkey	Pipelines
2015	TEGI	Basra to Abadan Pipeline / Materials Supply	Iraq	Pipelines
2015	CPECC	Exxon Tank Project / Design and Materials	Iraq	Tanks
2015	Zakhem International Ltd	KPC Pipeline Expansion / Design and Materials	Kenya	Pipelines

6.3 RCSL Experience

Year	Client	Project/Supply	Country	Market
2021	Black Cat	Dukhan Fields	Qatar	Pipelines
2020	Archirodon	Al Dabbiya Thamama Fields	UAE	Pipelines
2020	Dragon Oil	LAM and ZHDANOV Fields	Turkmenistan	Pipelines
2019	Dopet	New Khuff Gas Wells	Qatar	Pipelines
2019	Consolidated Contractors	Chemical Injection Assemblies	UAE	Pipelines
2018	Groupement Berkine	Supply of ER Probes and Data Loggers	Algeria	Pipelines
2017	DNO	Tawke Asset Integrity	Iraq	Pipelines
2017	Saudi Aramco	Supply of Access Fittings	Saudi Arabia	Pipelines
2016	Fortune Energy	Access fittings / Plugs / Covers	Saudi Arabia	Pipelines
2016	Rosneft	Supply of Coupons	Vietnam	Pipelines