

# CLEAN AND SAFE WATER FOR MUNICIPAL, INDUSTRIAL AND RECREATIONAL APPLICATIONS.

With an emphasis on process design and a commitment to research and development.



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Cumberland established in the United Kingdom in 1949 is among the leading electrochemical engineering companies in the World. With a background in cathodic protection and anode manufacture, Cumberland expanded into the design and manufacture of electro-chlorination equipment in 1970. Since that time we have developed an extensive and impressive portfolio of International clients and project references based on our World-renowned PANCLOR™ and ELCHLOR™ electrolyzers. Cumberland now also offers full turnkey and standard packaged brine systems through our Natchlor™ brand.

In recent years, Cumberland has concentrated on new process and product development, including development of designs for the new generation of high efficiency PANCLOR™ and ELCHLOR™ cells, new Standard brine systems for the replacement of chlorine gas, cost effective refurbishment of aging systems and turnkey project management.

Cumberland offers the widest choice of cost effective, standard product and custom engineered plant options for both seawater and artificial brine disinfection systems, tailored to meet individual needs over a range of plant sizes, from small package plants to larger capacity projects.

At Cumberland we are able to solve complex design and construction problems through the company's trained personnel, skilled in modern technologies, materials science, construction and managerial techniques.

Cumberland's broad capabilities and technical staff are able to offer a wide range of expertise including, process, mechanical, electrical and control design engineering, quality assurance, procurement, construction, commissioning, after

sales maintenance, spares and service contracts. Any project can draw upon the total resources of the company to provide the necessary skills. Cumberland provides value engineering through the project life cycle. Our cost control techniques and pre-defined purchasing agreements, together with programme and site management techniques mean we are extremely competitive in all International markets.

All Cumberland Plant and Equipment is fully guaranteed for design, process and manufacturing quality. Our Electrolyzers benefit from 5 year warranty. All our plant is supported by a Global structure of our field services team and partner engineering centres staffed by engineers trained by Cumberland to the highest international standards.

Cumberland carries an extensive supply of component spare parts. Our service team leaders will co-ordinate and lead planned and preventative maintenance programmes at the request of our clients. Long term service and or operations and maintenance agreements are available for all on site chlorine generation plant whether from Cumberland or other suppliers.





## Turnkey Plant

Cumberland provides a full turnkey supply, installation and commissioning service to our customers which together with our excellent manufacturing, technical and research & development facilities allow us to participate in the largest projects including power generation, desalination and oil industry projects.

### Our range of turnkey services includes;

#### Front End Engineering Design

- > Detail Design and Engineering (Process, Mechanical, Electrical)
- > Manufacture, Assembly and Testing and Project Management
- > Cost Control and Programme Management and Installation
- > Commissioning and, Training

#### Project Design, Estimation and Consultation

- > Civil and Buildings Construction Management
- > Procurement Management
- > Construction Supervision
- > Operations and Long Term Service Agreements



## Off Shore and Shipboard/Marine Systems

Cumberland offer a standard range of non-acid cleaning electrochlorination products based on our **ELCHLOR™** tubular cell technology. On offshore and other marine vessel applications the need for safety is paramount. The **ELCHLOR™** systems can be built for installation into safe or Zone 2 hazardous areas using a self-contained fully automated purge pressurisation system. All systems are skid mounted and are certified by Sira to ATEX (Certificate Number: SIRA 16ATEX1174X)

**CE**  II 3G Ex pzc IIC T3/T4 Gc

The **ELCHLOR™** range is from from 0.5kg/h to 20 kg/h per stream.

## Standard Engineered Plant

Cumberland has designed a range of standard plant systems for the onsite production of sodium hypochlorite from seawater or artificial brine solution. The products all carry the European CE mark. The **NATCHLOR™** range of systems provide an active equivalent chlorine production rate from 1 kg/day to 720 kg/day. Larger production rates can be achieved by combining standard units

## Plant Refurbishment

In addition to new systems, Cumberland offers refurbishment, upgrade and life extension to existing Electrochlorination systems. This can incorporate systems designed and built using our own or other manufacturer's electrolyzers. Cumberland are experts in manufacturing a wide range of industry standard electrolyzers.

## After Sales Service and Maintenance

Cumberland offers a complete handover protocol, which includes full on-site testing, commissioning and approval. Client operator training is carried out during and after the contract period. Cumberland also includes a pre-prescribed after sales service and planned maintenance schedule, which can be carried out by our own trained personnel. Full spares packages are held either by Cumberland at our facilities or by our many service partners throughout the World. Long term service agreements are available on all Cumberland supplied equipment.

# COMPANY DETAILS

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COMPANY REGISTRATION DETAILS

SECTION - 2



## Asia Office

Cumberland Electrochemical Private Ltd  
OLIVE TOWERS, 7th Floor No. 47/1  
Arcot Road, Porur  
Chennai 600 116  
INDIA

**Tel:** +91 44 4340 3740

## United Kingdom

Cumberland Electrochemical Limited  
33-34 Murdock Road, Bicester  
Oxfordshire, OX26 4PP  
United Kingdom

**Tel:** +44 (1869) 357722

**Fax:** +44 (1869) 357750

### Registered Office Address

2 Crossways Business Centre, Bicester  
Road, Kingswood, Buckinghamshire,  
HP18 0RA, United Kingdom

Company Registration Number:

465980

Company VAT Registration Number:

849 7326 80

## Middle East Office

Cumberland Electrochemical Trading FZCO  
DSOA Palace Towers, 1-1-106  
Dubai Silicon Oasis  
Dubai,  
UNITED ARAB EMIRATES

**Tel:** +971 674 222022

**Fax:** +971 674 22011



# COMPANY DETAILS

Financial statements and accounts are available as required.

## **Bank Details:**

Cumberland maintains banking relationship with a number of banks depending on our requirements. Banking relationships currently are established with:

Clydesdale Bank

National Australia Bank

Bank references and account details are available as required.

## **Company Offices**

The company is structured with an engineering design centre and an equipment manufacturing facility in the united Kingdom, where Cell and anode Manufacturing takes place.

Our United Kingdom facility is well positioned for both air, road and rail communication being located in close proximity to major international airports and major road / rail routes.

We also operate design engineering and project delivery locations in India and the United Arab Emirates.





# QUALITY ASSURANCE

Cumberland recognises that it can only achieve the goals of the mission statement by fulfilling the quality and service needs of its customers now and in the future.

The quality of products & services supplied by Cumberland is assured by the Company's management system, which is in compliance with ISO 9001:2015.

Cumberland is fully committed to meeting all customers, legislative and regulatory requirements and shall use the management system to implement planned changes that will improve the quality of products & services. The company will develop the management and operating systems so as to engineer quality and service into our processes and continually improve the effectiveness of the Quality Management System.

Specific quality and service objectives are set and reviewed as part of the management review process and these are translated throughout the organisation as Company, team and / or individual objectives. Every employee remains personally responsible for the quality aspects of their job, even for those that are delegated, and to operate within the defined procedures to relentlessly pursue quality improvement.

**Our guiding values to meet our targets are:**

<b>TEAMWORK</b>	We work together to achieve our vision.
<b>CUSTOMER FOCUS</b>	We put the customer at the centre of everything we do.
<b>VALUE</b>	Revenue Growth + Cost Control + Resource Utilisation.
<b>GROWTH</b>	We strive to grow our business.
<b>HONESTY</b>	Integrity is never compromised.

This policy has been communicated to all our employees & subcontractors and can be found within our premises. We hold regular reviews with all our employees and key subcontractors to ensure that we communicate our performance in respect of our Goals.



Cumberland Managing Director  
Mr Andrew Mason



FS 592148



**bsi.**



By Royal Charter

## Certificate of Registration

QUALITY MANAGEMENT SYSTEM - ISO 9001:2015

This is to certify that:

Cumberland Electrochemical Ltd  
Unit 33-34 Murdock Road  
Launton Road Industrial Estate  
Bicester, Oxfordshire  
OX26 4PP  
United Kingdom

Holds Certificate Number:

FS 592148

and operates a Quality Management System which complies with the requirements of ISO 9001:2015 for the following scope:

**The design, development, manufacture, management of installation, spares supply, maintenance and service of electrochemical plant and technology.**

For and on behalf of BSI:

Andrew Launn, EMEA Systems Certification Director

Original Registration Date: 2010-02-09

Latest Revision Date: 2019-01-10

Effective Date: 2019-01-30

Expiry Date: 2022-01-29

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This certificate was issued electronically and remains the property of BSI and is bound by the conditions of contract.

An electronic certificate can be authenticated [online](https://www.bsigroup.com/online)

Printed copies can be validated at [www.bsigroup.com/ClientDirectory](https://www.bsigroup.com/ClientDirectory)

Information and Contact: BSI, Kitemark Court, Davy Avenue, Kilmarnock, Milton Keynes MK9 3PW. Tel: +44 344 880 9000  
BSI Assurance UK Limited, registered in England under number 2805321 at 389 Chiswick High Road, London W4 4AL, UK.  
A Member of the BSI Group of Companies.



# HEALTH SAFETY AND ENVIRONMENTAL POLICY STATEMENT

Cumberland recognises that both the health and safety of our employees and the protection of the environment are of paramount importance and that these are management responsibilities that rank equally with our commercial activities.

The health, safety and environmental policy of Cumberland, is for work to be done safely, efficiently and satisfactorily in order to minimise the environmental impacts of our activities and secure the health and safety of all persons involved.

In order to achieve these aims we will provide and maintain safe and healthy working conditions, equipment and systems of work for all our employees and supply them with the necessary information, instruction and training to achieve our stated policy aim.

Cumberland is fully committed to meeting all the legislative, regulatory and customer requirements related to our operations, to the prevention of pollution and to the prevention of injury and ill health to persons affected by our activities.

All persons working on behalf of Cumberland remain personally responsible for the health, safety and environmental aspects of their job, even for those that are delegated, and to operate within the defined procedures.

We shall use the management system to implement planned changes intended to improve the health, safety and environmental performance of our activities and will develop the management and operating systems so as to engineer health, safety and environmental improvement into our management processes.

**Our guiding values to meet our targets are:**

<b>TEAMWORK</b>	We work together to achieve our vision.
<b>CUSTOMER FOCUS</b>	We put the customer at the centre of everything we do.
<b>VALUE</b>	Revenue Growth + Cost Control + Resource Utilisation.
<b>GROWTH</b>	We strive to grow our business.
<b>HONESTY</b>	Integrity is never compromised.

This policy has been communicated to all our employees & subcontractors and can be found within our premises and on the company web site. It will be updated to reflect changes in personnel, equipment, activities or organisation as often as is appropriate, but will be reviewed at least annually.



Cumberland Managing Director  
Mr Andrew Mason



# REFERENCES

Cumberland have successfully completed projects worldwide for many of the major EPC Contractors and Industrial or Municipal end users.



Full project reference lists are available on request.

Cumberland are also Achilles qualified with the Joint Qualification System for suppliers to the Oil Industry in Norway and Denmark and UVDB for the UK utilities industry.





Our World renowned **PANCLOR™**, **ELCHLOR™** and **NATCHLOR™** brands of electrolysers and systems are installed in hundreds of locations throughout the World providing environmentally safe on site disinfection for a variety of applications.

For more information visit [www.cumberlandec.com](http://www.cumberlandec.com)