

## The company



The Christ-Kennicott Water Technology pedigree in the UK can be traced back to 1902, with the development of some of the first industrial softening systems in order to overcome problems with boiler water chemistry. Since that time Christ-Kennicott Water Technology has been developing and supplying innovative solutions to meet the increasingly stringent demand of industry for cost effective water purification and treatment.

Christ-Kennicott Water Technology is part of the Christ Water Technology Group, belonging to the Austrian BWT Group, renowned world-wide as leaders in water technology. With offices throughout Europe and the rest of the world, our group can service customer needs for the construction of cost effective solutions to water related requirements.

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Christ Water Technology Group

## Christ-Kennicott Water Technology Ltd

Excellence in water engineering



Christ Water Technology Group

Christ-Kennicott Water Technology have supplied hundreds of plants throughout the world with a broad portfolio of products and technologies:

- Clarifiers
- Gravity and pressure filtration
- Counter-current, co-current and packed bed ion exchange
- Nanofiltration
- Reverse osmosis
- Condensate polishing for thermal and nuclear power plants
- Electrodeionisation
- Electrochlorination
- Ultrafiltration
- UV disinfection and TOC reduction
- Physical-chemical wastewater treatment

Christ-Kennicott Water Technology can satisfy all requirements from pretreatment to wastewater systems and provide totally integrated turn-key packages – totally committed to providing the very best in terms of project management and product integrity in support of customers' operations.

## Power Generation

Christ-Kennicott Water Technology has a wealth of experience and a world-wide installed base providing boiler feed water preparation and process water treatment plants from small 60 MW gas turbine stations, to 2,000 MW nuclear power plants. They have particular expertise in the challenging environment of condensate polishing technology and are a world leader in this field, where their proprietary CONESEP® technology is a market leader.

The Christ-Kennicott Water Technology design of mixed bed polishers and resin separation system, CONESEP®, enables customers to achieve:

- Improved power station performance during start-up
- Positive management of condenser leaks
- Reduced turbine maintenance as a result of improved water quality

Christ-Kennicott Water Technology has over 20 years of experience on large-scale condensate polishing plants with flows up to 3,800 m<sup>3</sup>/hr.

## Pharmaceuticals & Life Sciences

Being part of the Christ Water Technology Group, with headquarters in Aesch, Switzerland, Christ-Kennicott have also become a leading supplier of technologically demanding water treatment plants for use in the pharmaceuticals and biotechnology industries, and related sectors such as renal dialysis, cosmetics and toiletries.

With innovative technical solutions such as our SEPTRON® and OSMOTRON® units, we can provide cost effective fully validated processes meeting the production and distribution needs of all grades of pharmaceutical water preparation, from Purified Water (USP 26, EP) over Highly-Purified Water (EP) through to Water for Injection (USP 26 and EP). Our scope of expertise starts from initial consultation, through URS preparation to turn-key validated design and installation, and the provision of commissioning and service maintenance contracts.

## Municipal Drinking Water & Sewage

Christ-Kennicott Water Technology have also developed their expertise in the treatment of municipal drinking water & sewage. Christ-Kennicott Water Technology is fully equipped to design, construct, install and commission plants to remove nitrates down to lower than compliant levels. Ion exchange plants have for many years been a core competence of Christ-Kennicott technologies and when used for municipal applications, a fully reliable and cost effective solution results.

## Customer Services

Recognising the importance of customer's needs for an efficient and fully reliable treatment plant, whether it is a small packaged installation or a major turn-key project, Christ-Kennicott Water Technology supports all customers with customer services tailored to meet their exact requirements. The customer service team has a proven service track record in Power Generation, Pharmaceuticals & Life Sciences, Municipal Drinking Water & Sewage for customer services and refurbishment.

## Service plans comprise

### Maintenance

Provision of on site supervision and / or site operatives to cover a wide range of maintenance disciplines associated with customers' water treatment plants. Multi-skilled staff is equipped for both planned maintenance and intervention work.

### Standard service visits

Periodic inspection visits provide expert advice with respect to plant operational improvements and necessary plant remedial works.

### Validated service visits

Service engineers will monitor plant performance at each process stage and compare the "as found" data with known design criteria. A comprehensive report is issued, which will detail current plant performance and will include recommendations to improve the system, where necessary.

### Spare parts supply, refurbishment and renovation

- Mechanical plant overhaul and refurbishment including vessel renovation and media changes
- Mechanical pipe work modifications
- Mechanical instrument calibration
- Mechanical control and instrumentation enhancements including system automation

