



Process & Service



PureTec 
SEPARATIONS LTD

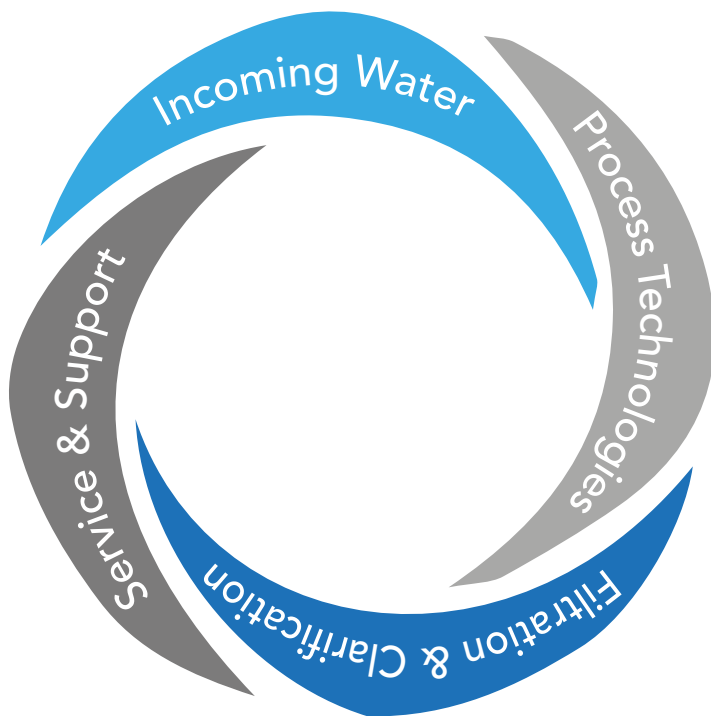
Technology | Customer Service | Innovation

Technologies to trust

PureTec Separations leads the way in key technology areas of product processing, filtration, and water process technologies. Combining state of the art technologies in process plant, filter consumables, membrane & separation technologies, and its UltraCare Service division to deliver an integrated package rarely paralleled.

Engineering, Design, Project Management, Service & Support

PureTec Separations can support you in planning your filtration, product processing and water treatment systems. Working together to define your needs and select the most efficient solutions. The plant is designed, works are planned and we work hand in hand with our customers to a successful installation and commissioning. This combined with our post-project service and support offers a lifecycle capability which is fundamental to our business ethos.



PureTec

SEPARATIONS LTD

- ✓ **State of the Art Technology**
- ✓ **Industry Leading In-House experience**
- ✓ **UK Manufactured product lines**
- ✓ **Leading industry Technical Partners**
- ✓ **Expert service & support team**

CORE VALUES

- ◆ **Meet the needs of customers, employees and environment**
- ◆ **See customer service as a primary differentiator**
- ◆ **Bringing to market fully developed products**
- ◆ **Seeing business as a partnership with our customers**
- ◆ **Aiding sustainability in customers' processes**

Project Management & Design

Whether you are developing a new product, upscaling current production, or upgrading installed equipment PureTec are able to design, build, install and commission to successful project fulfilment.

Whatever issues you face, you can be assured that the team at PureTec is very likely to have dealt with similar situations and will be able to provide effective solutions.

“PureTec have the knowledge and experience to design, build, install & commission process & filtration equipment to deliver successful projects”

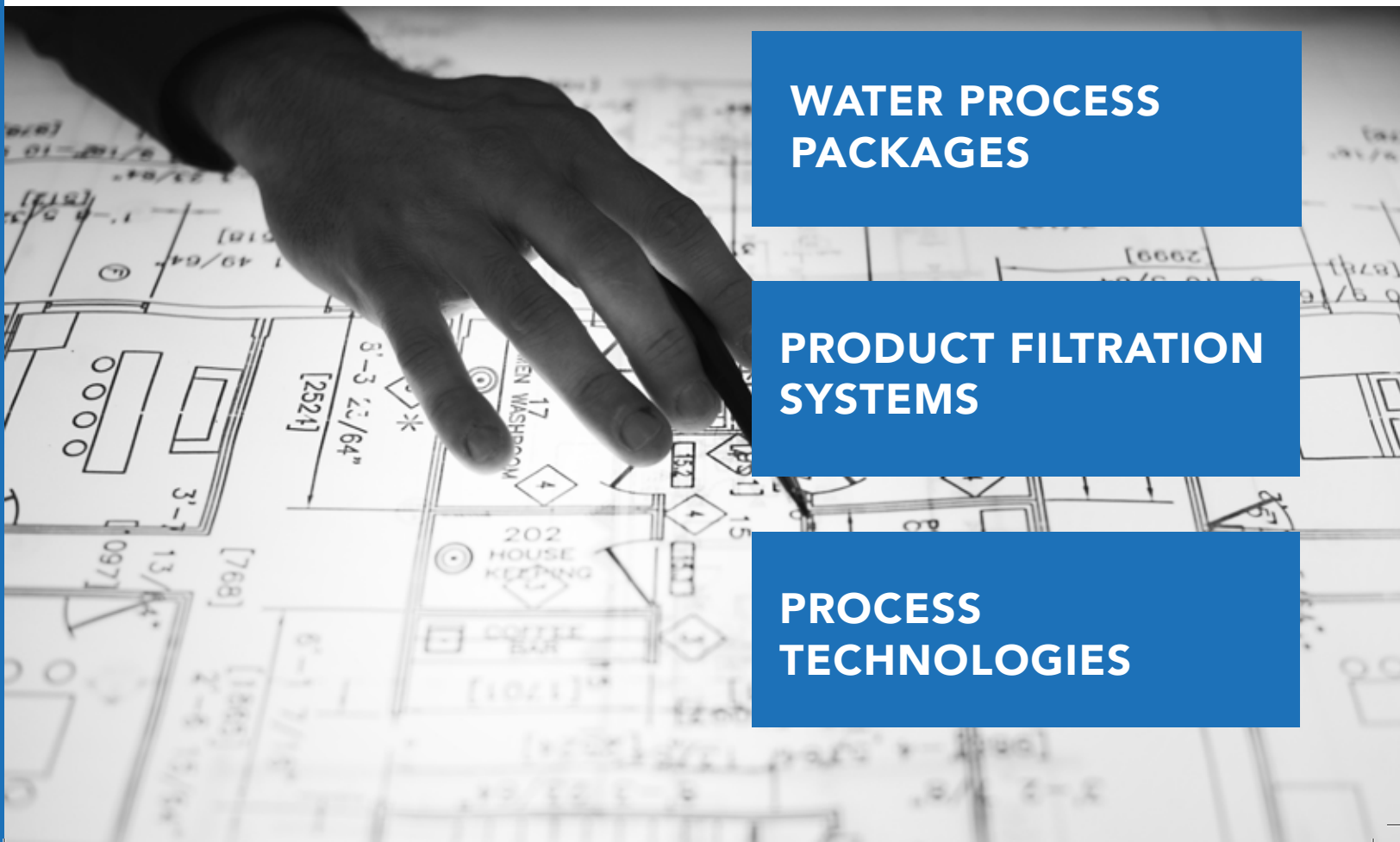


**DESIGN, BUILD,
INSTALLATION &
COMMISSIONING**

**WATER PROCESS
PACKAGES**

**PRODUCT FILTRATION
SYSTEMS**

**PROCESS
TECHNOLOGIES**



Service & Support

Through our service & support we put into practice our mission to establish long lasting relationships, becoming a trusted partner to our customers.

A dedicated team of engineers and support professionals are there to deliver the best practical solutions to meet your specific needs.

Your equipment is a Valuable Investment, our engineers provide the best support to address your issues.

Tailored Maintenance & Refurbishment Programmes

- Diagnostic Benchmarking Optimisation Visits
- On-Demand Emergency Service
- 'Red Flag' Predictive Maintenance
- Reliable, Convenient Planning and Implementation Inspections
- Technical Documentation & Assessment of Machine Status
- Clear Vision of Budgetary Expectations

“Predictive Maintenance To Suit Your Needs”



Engineers Located Across the UK



Specialised Industry Areas

Water Treatment Plant

- Reverse Osmosis
- Ion Exchange Systems
- Chemical & Physical Pretreatment
- Nano & Ultrafiltration
- Carbon & Catalytic Media filtration

Product & Liquid Filtration

- Crossflow Microfilters
- KG Filtration Equipment
- Orion Sheet Setup & Maintenance

Maintenance Programs

We offer standard maintenance programs along with bespoke services. From priority engineer response to site personnel training and development, our team of highly skilled engineers will deliver the solutions to provide you with peace of mind for your water treatment equipment and processes



24/7 RESPONSE

CALL OUT PACKAGES

BESPOKE PACKAGES TO SUIT YOUR NEEDS

CONSUMABLES, CHEMICALS & SPARE PARTS

PureTec Separations Maintenance Packages

FEATURES	ULTRACARE	PRO	PRO PLUS
Planned Maintenance Visits	✓	✓	✓
On Site Breakdown Response	48 Hours	24 Hours	12 or 24 Hour Options
Free of Charge Call Out			✓
Annual Discounted Consumables Pack		*	✓
Spare Parts Price Reduction		*	✓
Emergency Telephone Support (24/7 365 days)	✓	✓	✓

* Bespoke programs available upon application

Specialist Programs

To reinforce our tailored maintenance programs or as stand alone options we offer specialist services to optimise system performance and efficiency

UltraTrend

UltraTrend will provide peace of mind particularly on engineered water treatment systems where clear insight into parameter deviation is paramount for optimum efficiency, Furthermore on larger capital systems this real time visibility often extends the longevity of expensive consumables and optimises energy consumption by providing early warning. Successful mitigation can then take place before critical damage or operational shut down occurs

Refurbishment Packages

Our inhouse team have extensive experience in providing refurbishment solutions to existing plant. This approach is designed for use when it is more economically beneficial to refurbish existing equipment rather than installing new and expensive replacements

UltraNorm

Similar to UltraTrend, UltraNorm is specifically designed to trend performance of reverse osmosis systems. By monitoring normalised data UltraNorm will optimise membrane cleaning frequencies/type and provide alerts for crucial adjustments to operational parameters. This will maximise the lifespan of expensive RO membranes.



Resin, Media and Membrane Replacement

We also specialise in replacements of ion exchange resin, filter media and membranes. Providing a turnkey approach to project management, job completion and full recommissioning.



Site Services

PureTec's service division offers a full range of additional site services, products, and replacement parts to support your water treatment and production systems. Designed to combine PureTec's experienced engineers with market leading products and technologies to streamline your ordering processes, provide continuity between service maintenance and products used on site, and create significant cost saving opportunities. Key examples include:

Cryptosporidium Validated Filters

PureTec's UK manufactured range of filter cartridges have been independently tested and accredited for the removal of live Cryptosporidium oocysts. These cartridge filters provide effective protection against pathogenic micro-organisms that are otherwise resistant to normal disinfection methods.

Specialised Pre-RO Cartridge Filters

Through extended life and increased membrane protection PureTec's specially developed, UK manufactured, range of pre-RO filter cartridges have been able to achieve on-going, real-world cost savings of up to 40% on RO applications.

CIP, Antiscalants & General Cleaning Chemicals

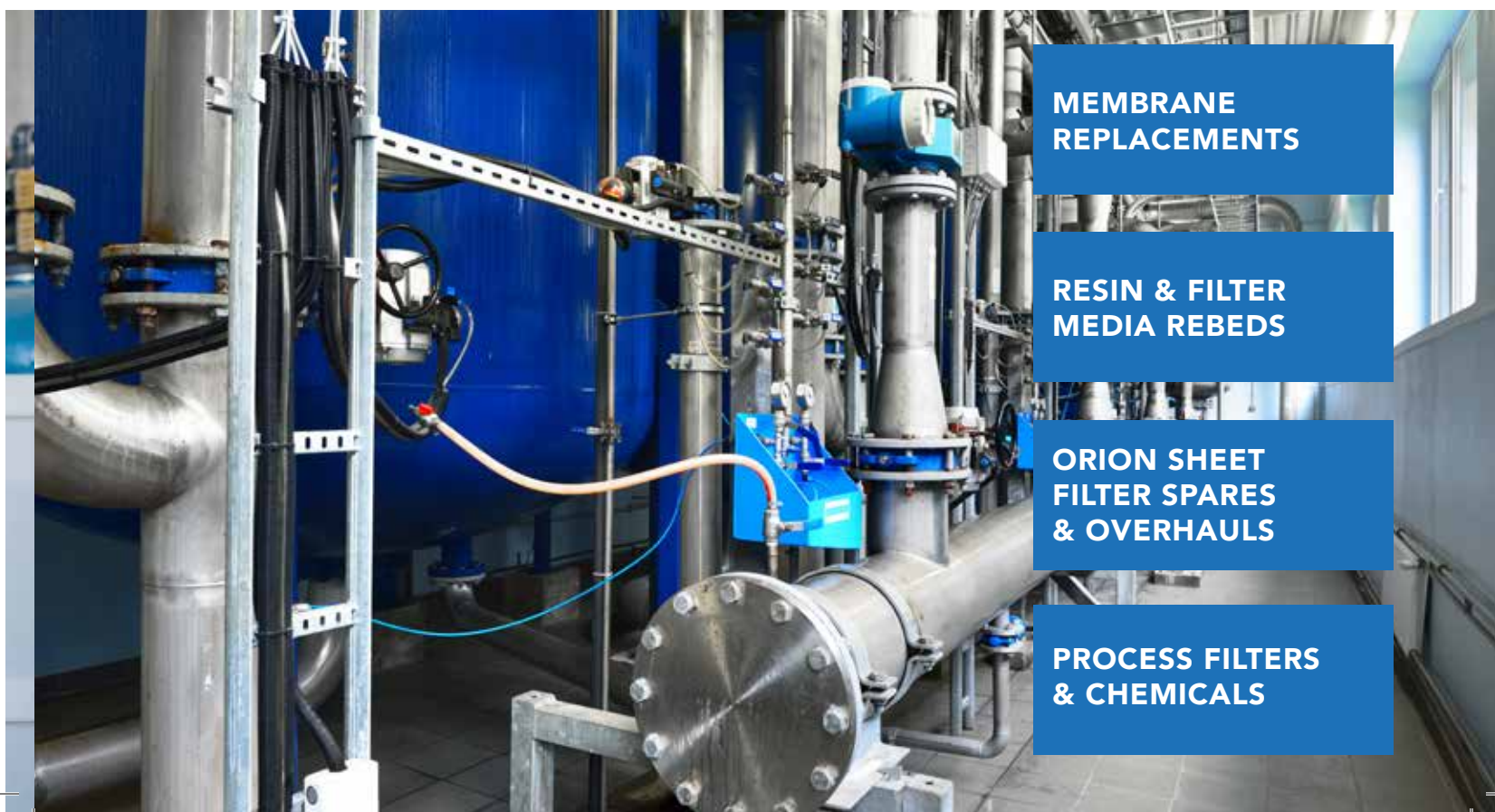
Our range of cleaning and disinfection chemicals achieve cost reductions through effective targeted CIP regimes. The aim is to maximise the longevity of expensive membranes and medias and also to maintain the hygienic status of process systems for Pharma and Food/Beverage applications.

We offer a variety of antiscalant chemicals for membrane pretreatment. Selection is based on scaling projections which are carried out by our lab team to ensure optimum selection and dose rates.

Site Asset Health Assessments

PureTec's experienced water treatment and process engineers are able to provide snap-shot overviews of the full range of water treatment, process, and effluent plant assets on-site. This overview includes:

- A full asset list of type, application and parameter summary
- An overview of general plant condition
- Performance data collection
- Overview assessment of process and cleaning procedures
- Post-visit review and report to recommend possible optimisations available



**MEMBRANE
REPLACEMENTS**

**RESIN & FILTER
MEDIA REBEDS**

**ORION SHEET
FILTER SPARES
& OVERHAULS**

**PROCESS FILTERS
& CHEMICALS**



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