



BOWNT

PURIFICATION IN ACTION

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*World-leading Mechanical Filtration
Solution Service Provider*

ABOUT BOWNT

Bownt Filtration Systems was incorporated in 1992 and has since provided filtration solutions for numerous applications in USA. Upon its alliance with Aiolia International, Aiolia launched an ambitious campaign for the internationalization of Bownt filters. During this time Aiolia has expanded geographically and continue to expand their product offerings and strengthen product R & D capabilities, while always striving for simplicity, quality and integrity in products, services and customer support. It is our belief that our relationship with each customer begins with the first enquiry and continues through the life of the product/ system.

Each application is carefully reviewed by highly qualified personnel and customers are guided through the installation, startup and operational processes. With more than nearly three decades of experience in mechanical filtration system, Bownt's successful track record comes not only from our high focus on R&D, but even more due to our personalized engineering service to each customer need from multiple applications. Water purification is our business and with Bownt, it is 'Purification in Action'.



PURIFICATION IN ACTION





BOWNT SOLUTION COVERAGE

Filtration Degree

0.1-20,000 μ m

SS Content

1-2000+mg/L

SOLUTION PROGRESS





Technical Proposal Evaluation

The image shows two hands pointing at a technical drawing on a light blue background. The drawing features the BOWNT logo at the top, which consists of a shield-like icon and the word 'BOWNT' in a bold, sans-serif font. Below the logo, there are several rectangular blocks connected by lines, suggesting a flowchart or a technical diagram. The hands are positioned as if they are discussing or evaluating the drawing.



Project Design

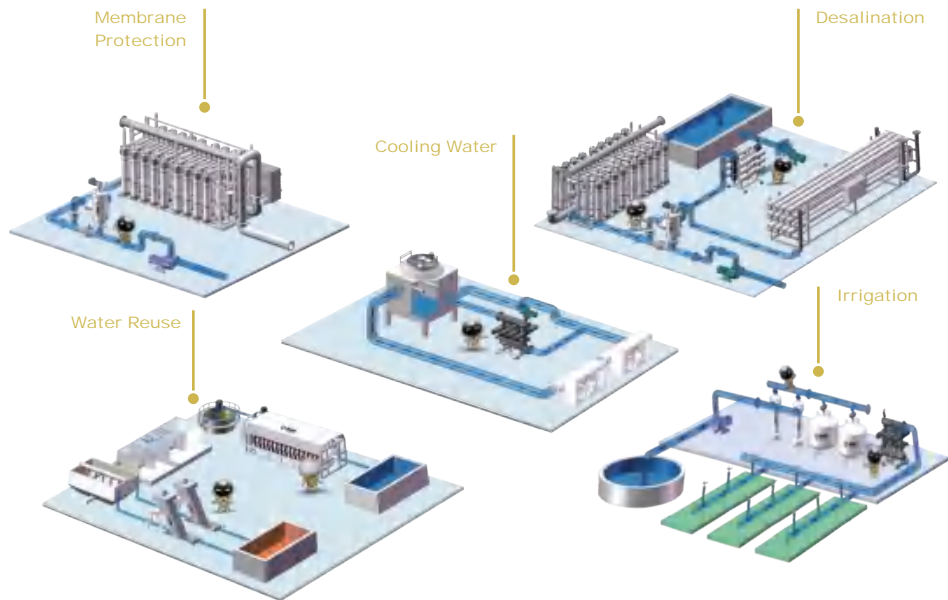
The image shows a tablet displaying a technical drawing. The drawing includes the BOWNT logo at the top left. It features several detailed diagrams of mechanical components, including a cross-section of a cylindrical part and a side view of a similar component. To the right of the diagrams, there is a list of specifications or a table of data, though the text is small and difficult to read. A person's hand is visible at the bottom right, pointing at the tablet screen.



Quality Control

The image shows a close-up of a mechanical component, likely a part of a machine. The component is dark and has the BOWNT logo printed on it in a bold, white, sans-serif font. A person's hand is visible, pointing at the component, suggesting a quality control inspection. The background is blurred, focusing attention on the component and the hand.

PERSONALIZED SOLUTIONS

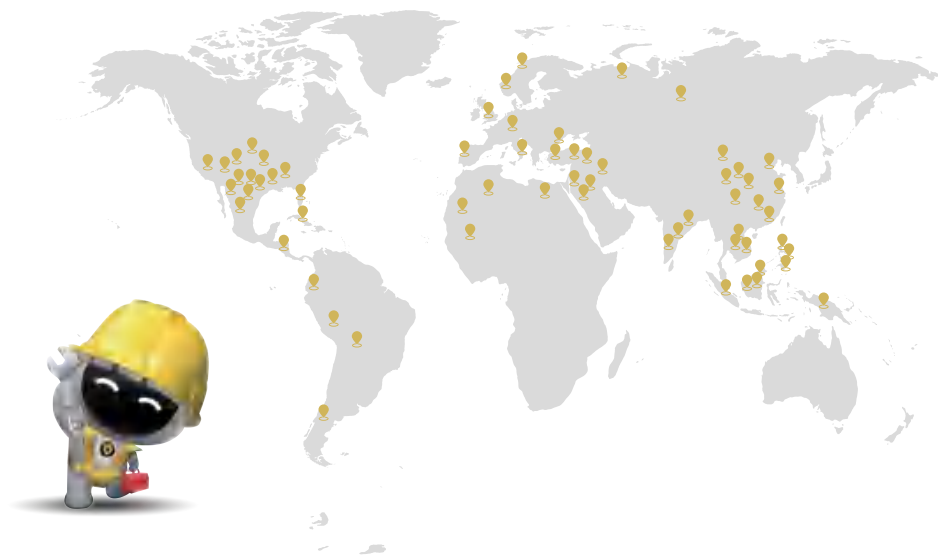


PURIFICATION IN ACTION

BOWNT has rich experience in conventional solutions, while constantly innovating and exploring new application fields to help more customers achieve water resources recycling and reduce carbon emissions caused by energy consumption.

OUR PRESENCE

Bownt's successful track record comes not only from our high focus on R&D, but even more due to our personalized engineering service to each customer need from multiple applications.



Municipal



Steel



Petroleum



Chemical



Power




Electronic



Irrigation

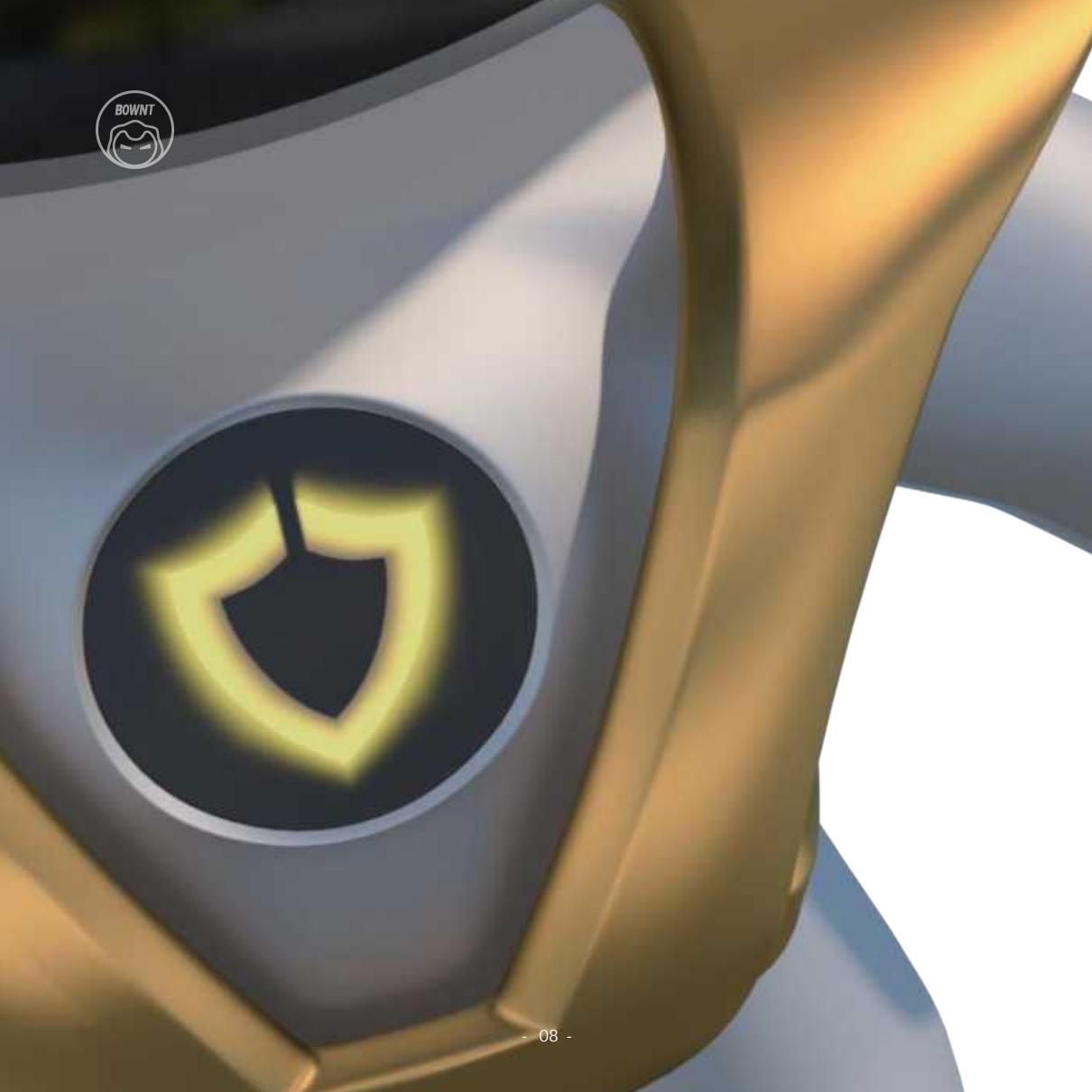


Food

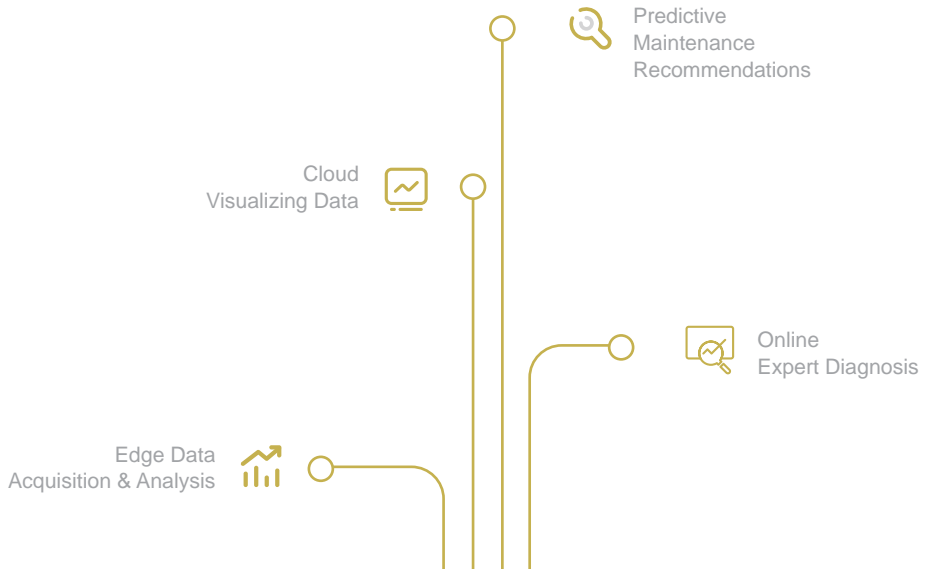


World-leading Mechanical Filtration Solution
Comprehensive Service Provider

PURIFICATION IN ACTION



BOWNT SMART



BOWNT Predictive Maintenance, makes your datas alive!



SELF-CLEANING SCREEN FILTRATION SYSTEM



BOWNT BOS SELF-CLEANING SCREEN FILTRATION SYSTEM

- Precise filtration, free of replacement of filtration medium.
- Efficient cleaning with brushes and suction nozzles.
- Cleaning water consumption is less than 0.5% of the feed flow.
- Space saving and easy installation with online pipelines.
- Zero consumables, low operating cost and easy maintenance.



SELF-CLEANING SCREEN FILTRATION SYSTEM



SELF-CLEANING DISC FILTRATION SYSTEM

SELF-CLEANING DISC FILTRATION SYSTEM



BOWNT BOD SELF-CLEANING DISC FILTRATION SYSTEM

- Space saving and easy installation with online pipelines.
- Efficient backwashing under the water pressure and rotating centrifugal force.
- Backwashing water consumption is less than 0.5% of the feed flow.
- Modular combination of the filter units, flexible installation and no need for the concrete foundation.
- Zero consumables, low operating cost and easy maintenance.

CARTRIDGE FILTER & BAG FILTER SERIES



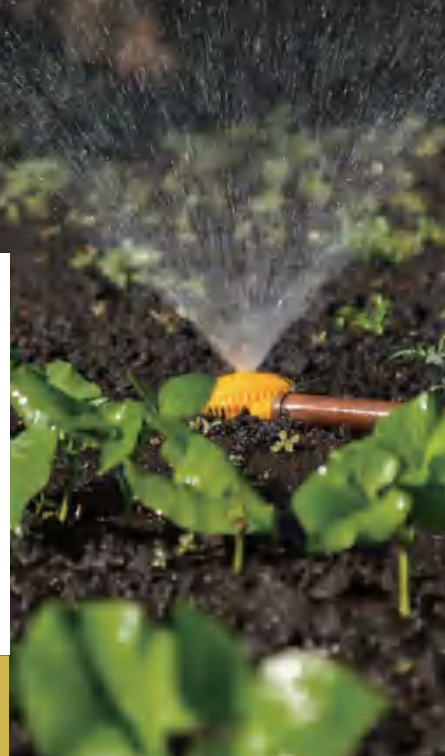
BOWNT BOC CARTRIDGE FILTER & BAG FILTER SERIES

- Filter cartridge adopts hot-melt welding process, no chemical adhesive, no pollution to the water and strong corrosion resistance.
- High efficiency of filter cartridges or bags, with wide applications.
- Strong pollutant holding capacity and slow increase in cartridge DP.
- Various construction materials to deal with different water sources.
- Superior anti-corrosive FRP vessels, applicable for various complex water conditions.
- Quick replacement of filter cartridges, safe and easy operation.



CARTRIDGE FILTER & BAG FILTER SERIES

MEDIA FILTER SERIE



BOWNT BOM MEDIA FILTER SERIE

- Filter media is optional for quartz sand, activated carbon, fiber bundles and etc.
- Large filtration area and high filtration grade, stable water quality and available for multi-layer medias.
- Inner loop backwashing flow has a higher cleaning effect.
- Low pressure drop, large flow and high filtration grade.
- Drainage control is optional for time, pressure difference and manual operation.
- Simple structure and wide applications.

CENTIFUGAL FILTER SERIE



BOWNT BOL CENTIFUGAL FILTER SERIE

- Simple installation and long service life.
- Widely used for primary filtration and pump pre-filtration.
- Filter adopts hydraulic principle for the structure, good separation effect.
- Automatic running under centrifugal force, free of additional power.
- Simple structure and maintenance-free, without any removable filter element.



■ ROTARY DISC & DRUM FILTER SERIE



BOWNT BOR ROTARY DISC & DRUM FILTER SERIE

- Its function mainly to remove the suspended solids, part of the phosphorus, turbidity and COD etc.
- Good performance and stable water quality, it is available for high feed SS.
- Automatic operation and control.
- Modular design and quick replacement of filter cloth, simple operation and maintenance.

AUTOMATIC TRASH RACK SERIE



BOWNT BOG AUTOMATIC TRASH RACK SERIE

- Efficient solid-liquid separation.
- High automation and low power consumption.
- Low running speed and automatic control with self-protection, low maintenance cost.
- Reasonable structure design, strong self-cleaning ability, low daily maintenance.
- High strength and corrosion resistance.


CONTROL UNIT



BOWNT BOA CONTROL UNIT

- Excellent performance, and stable operation.
- Strong anti-interference capability with standardized components.
- Optional for remote monitoring and warning.
- Intelligent version is available for cloud data visualization and predictive maintenance.





For More Information Pls Check



WWW.BOWNT.COM



World-leading Mechanical Filtration Solution Service Provider



Search "BOWNT" for more information on the web

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