

# COMPANY PROFILE



We are committed to maintain excellent reputation to our customer and to provide best services to all our prospect

## COMPANY INFORMATION

**COMPANY NAME** : IRIS SYNERGY SDN BHD  
**COMPANY REGISTRATION** : 200601022445 (742199-P)  
**TYPE OF COMPANY** : PRIVATE LIMITED  
**DATE OF INCORPORATION** : JULY 26, 2006

### SHAREHOLDER

MOHD AZALI ABDUL RAHMAN

### DIRECTOR

1. MOHD AZALI ABDUL RAHMAN
2. NURUL HANA BINTI MOHD AZALI

**MOF REGISTRATION NO.** : 357-02096071

### COMPANY'S BANK ACCOUNTS & ADDRESS

MALAYAN BANKING BERHAD,  
JALAN TUN RAZAK BRANCH ,  
GROUND & MEZZANINE FLOOR BANGUNAN UTMSPACE 195A,  
JALAN TUN RAZAK, 50450 KUALA LUMPUR  
TEL.: +603-2161 2106

### CAPITAL

1) PAID-UP CAPITAL : RM 3,000,000.00

### COMPANY ADDRESS

**IRIS SYNERGY SDN BHD**  
E-11-3, MEGAN AVENUE 1,  
NO. 189, JALAN TUN RAZAK,  
50400, KUALA LUMPUR,  
MALAYSIA.  
TEL. : (603) 2166 7595/96  
FAX : (603) 2166 1595

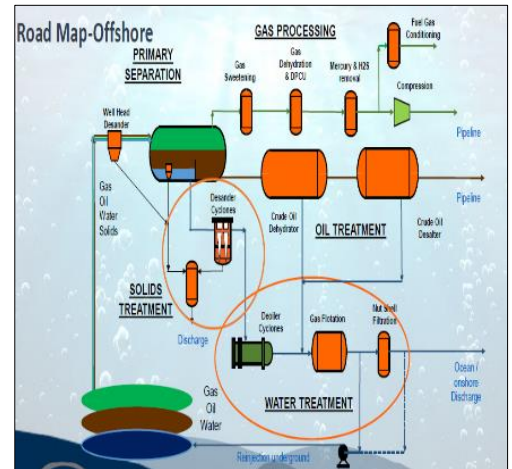
**EMAIL:** admin@iris-synergy.com / sales@iris-synergy.com

**WEB: [www.iris-synergy.com](http://www.iris-synergy.com)**

## PRODUCT IN SUMMARY



**Produced Water Solutions (PWS)** has been in business for just over five years. The water solutions business was formed to *Provide a High Level of Technology and Experience at Reasonable Rates*. PWS has (and is) doing business with over 40 companies such as Chevron, Fieldwood Energy, Petrobras, Apache, Stone Energy, Energy Partners Limited, M&H, Ankor, W&T, Petrobras, VME, Talos, etc.



With our combined experience in over 28 countries, we are uniquely aware of the nuances of produced water from country to country. This experience combined with our technical understanding of water treating equipment makes us a great partner that will add value and peace of mind to your water treating needs.

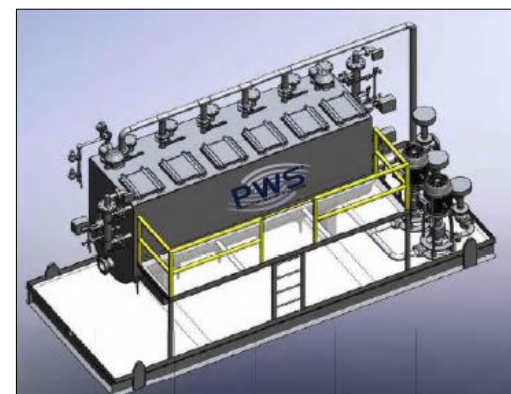
We offers several Produced Water and Filtration products such as Primary Oil/Water Separation, Secondary Oil/Water Separation, Tertiary Oil/Water Separation, Engineering/ Consulting, Field Repair Services, Treatability Studies, Field Surveys, as well as provide parts for all Manufactures Equipment.

### List of technology includes;

- HF-Sep
- VF-Sep
- Dissolved Gas Flotation
- Hydrocyclones – Both Solid/Solid and Liquid/Liquid in 150# and 300# design.
- Skimmers – With single pack design and multiple pack design.
- Static Plate Separators – Atmospheric and ASME designs from one to three pack plate designs
- Flotation – Available in atmospheric, ASME, re-conditioned, and refurbish
- Walnut Shell Filters
- Cartridge Filters – Available in cartridge, canister, and bulk media.
- Solids Filters – Available in cartridge and sock form
- De-Aeration Towers – Includes vacuum pumps, Course Filtration, and fine filtration
- Sumps

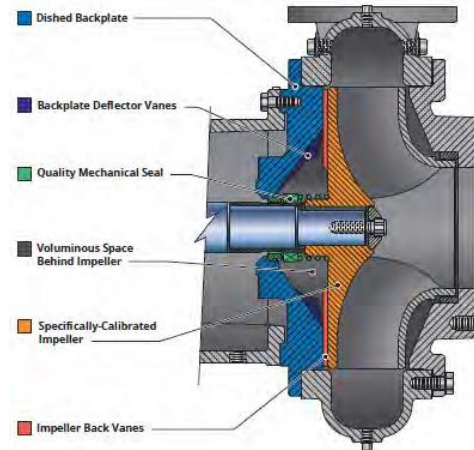
### HF-Sep

- Multi-cell vessel for maximum oil removal efficiency
- Independent water and oil controls systems
- Independent oil and water safety system
- Dedicated corrosion protection per compartment
- Flexible design parameters to meet foot print requirements
- Designed to both Atmospheric and ASME designs
- Capable of flows from 1000 BPD to 175K BPD
- Designed to treat oil content down to below 20 PPM
- The most bubble contact area of any design on the market



### Dissolved Gas Flotation (DGF)

- Proven Technology
- Adjustable Bubble Diameter
- Efficient
- 10% Reduction in Chemical Cost, Smaller Footprint
- 20% to 40% reduction in Recycle Rates
- Only two companies globally that can sell this technology, PWS and Siemens
- Over 1500 applications globally
- Technology is applicable in every market that requires water treatment, including food service
- Robust pump that is designed for extreme applications.



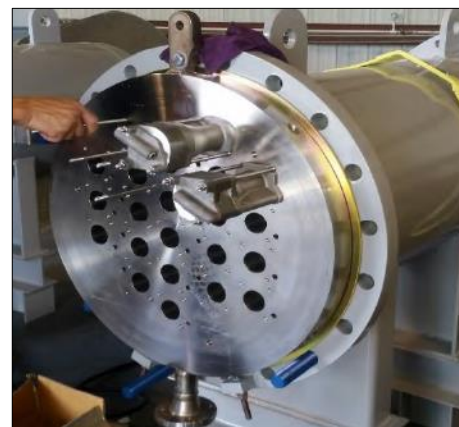
### VF-Sep

- Vertical Design equates to smaller footprint
- Reduced Oil Content from 250 ppm down to <29 ppm
- Hydraulically concentrates oil to center of vessel for easy removal
- Optional additions include coalescing media, inline vortex generator, paddle system and sand jetting.
- Easily engineered for high “pitch and role” applications
- Standard packages include complete control systems for both oil and water plus independent safety control capability.
- Capable of flows from 1000 BPD to 150K BPD
- Also available in new and reconditioned.



### Hydrocyclones (Liquid/Liquid)

- Most aggressive design standards of any competitors
- 20% less expensive than any competitor
- Five different bubble making technologies available
- 10% reduction in chemical need
- Up to 50% reduction in footprint



### Skimmers

- Most aggressive design standards of any competitors
- 10% less expensive than any competitor
- Flexible retention designs
- Options available that will increase efficiency up to 30%
- Can be standard design or designed to specifications
- 6 to 10 minutes retention time
- Operating levels vary from 50% to 80%, operator controlled
- ASME Certified or Atmospheric design
- Available in new or reconditioned
- Polypropylene or SST pack material
- Class 1, Div. 1 Design



### Sumps

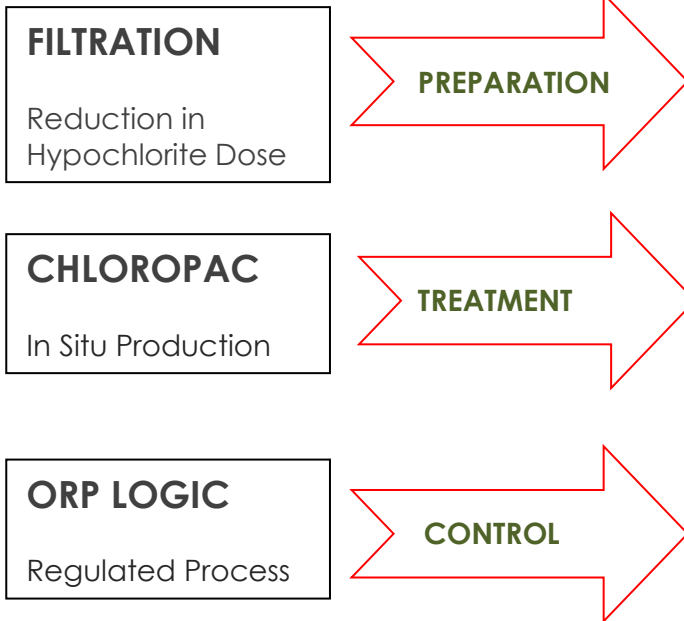
- PWS can supply reconditioned equipment
- 10 % less expensive than any competitor
- 2 to 3 weeks quicker delivery than our competitor
- Atmospheric
- Open and Close Drain Available
- Optional additions include coalescing media, external water legs, submersed design, pressurized or atmospheric design
- Standard packages include complete control systems for both oil and water plus independent safety control capability.
- Also available in new and reconditioned
- Class1, Div. 1 Design



### Walnut Shell Filters

- Built to Class 1, Div. 1 standards
- Oil polishing unit
- Designed to treat water to below 5 ppm
- Requires little to no chemicals
- Applicable in the Offshore market, reuse market, and land based produced water treatment applications
- Low operational expense
- No media replacement
- Back Washable
- Removes solids



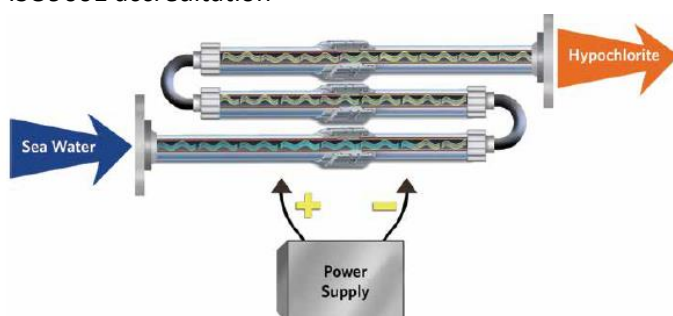


**SAFETY**

- Proven Technology and Supplier to the Marine Industry : Excellent Safety Record
- On-demand in-situ production of biocide from seawater
- Hydrogen by-product safety removed prior to injection into the Ballast Water

**1) CHLOROPAC® MARINE GROWTH PREVENTION SYSTEM  
HYPOCHLORITE GENERATOR PACKAGE - ELCAT**

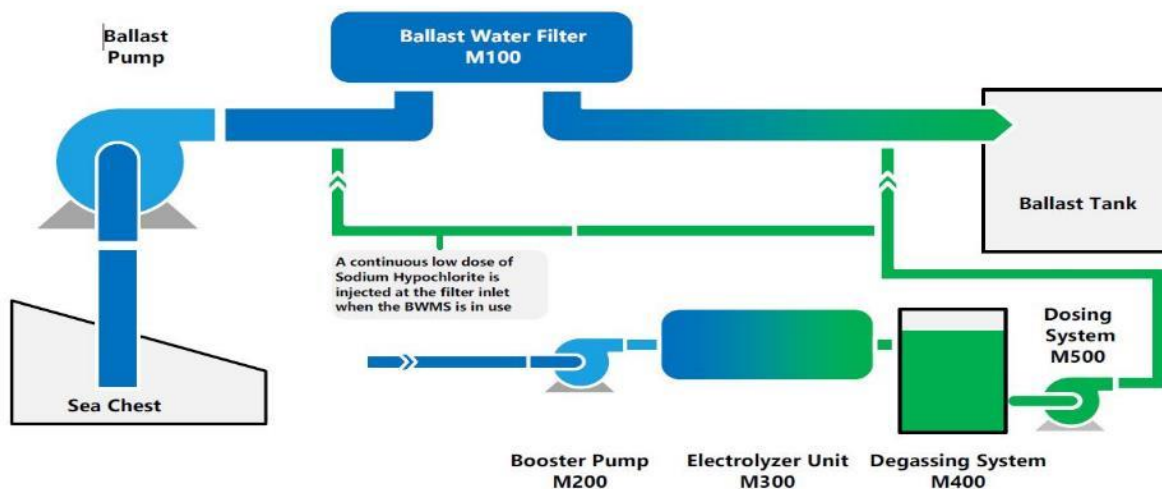
- Chloropac® systems produce, insitu, a dilute, safe solution of sodium hypochlorite for direct injection into the water circuit for marine growth prevention.
- Evoqua advanced electrolyzer technology, available in a choice of basic cell designs — coupled with Evoqua long standing expertise in anode and system development — has freed thousands of customers worldwide from the cost of purchasing and the danger of handling harsh chemicals associated with other technologies.
- Chloropac utilises CTE technology to provide the most efficient chlorine generation.
- More than 2,500 Chloropac® system intalled worldwide.
- ISO9001 accreditation



## 2) SeaCURE System

### BALLAST WATER Management System

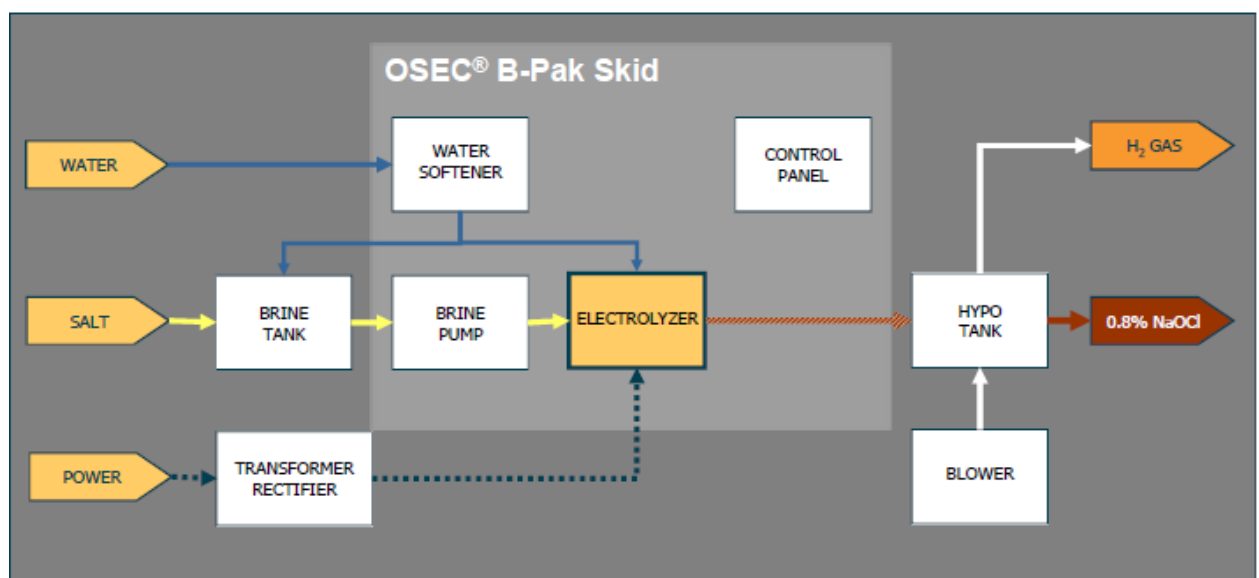
- Ballast water treatment system to safely and reliably comply with IMO and USCG regulations.
- The SeaCURE® Ballast Water Management System uses a combination of filtration followed by in-situ production of biocide from seawater via electrochlorination.
- The SeaCURE system has evolved from the Chloropac® marine growth prevention system (MGPS) that has been servicing needs of the maritime and off-shore Oil & Gas industries for over 40 years.
- The system uses about 1% of the ballast water flow to generate sodium hypochlorite for the treatment of ballast water.
- The SeaCURE system process;



## 3) WALLACE AND TIERNAN OSEC® HYPOCHLORITE GENERATION SYSTEMS

### On-Site Hypochlorite Generation Systems

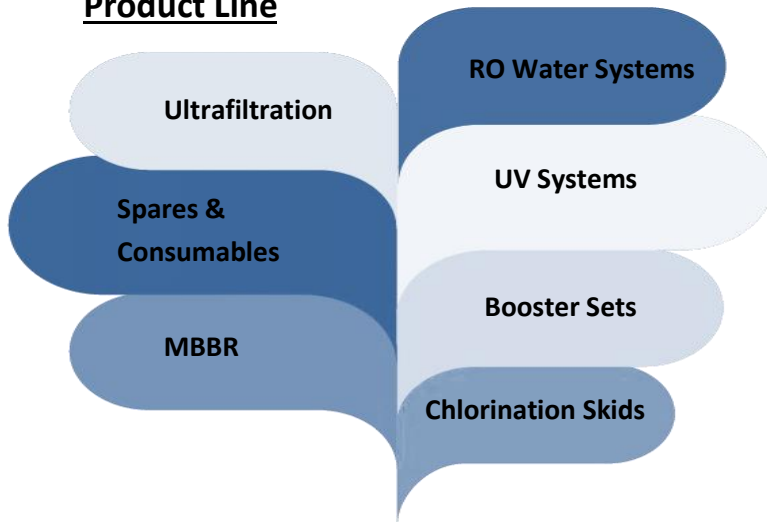
- The systems produce sodium hypochlorite onsite and on demand, at a cost that is significantly lower than purchased hypochlorite.
- The OSEC® On-site Chlorination System product line is designed to accommodate applications ranging from potable water disinfection and leisure to marine and off-shore.





Advanced Watertek is an industry leader in the production and supply of Reverse Osmosis Water Treatment Systems. For over 30 years we have been helping businesses and communities worldwide by providing safe and effective water treatment solutions.

### **Product Line**



### R.O. Systems

Sea Water Services

- Sea and Brackish Water
- 5 m3/Day to 5000 m3/Day
- Containerized, Skid Mounted and Customized Solutions
- Components, Consumables and Spare Parts
- Refurbishment and maintenance
- Annual maintenance contract

### Experts in the Field

1. High quality components from leading manufacturers (Steel from Finland, Filtration Sand from Netherlands)
2. Reliability and Trust - 80% repeat business
3. Extensive list of satisfied clients
4. Long-term relationships – some clients for over 25 years
5. ABS and Lloyd's accredited
6. Regional production and after sales office
7. Over 800 installations across over 50 countries
8. Ex-stock availability of Spares, Components & Chemicals





## Product Overview

Skid Mounted



Containerised

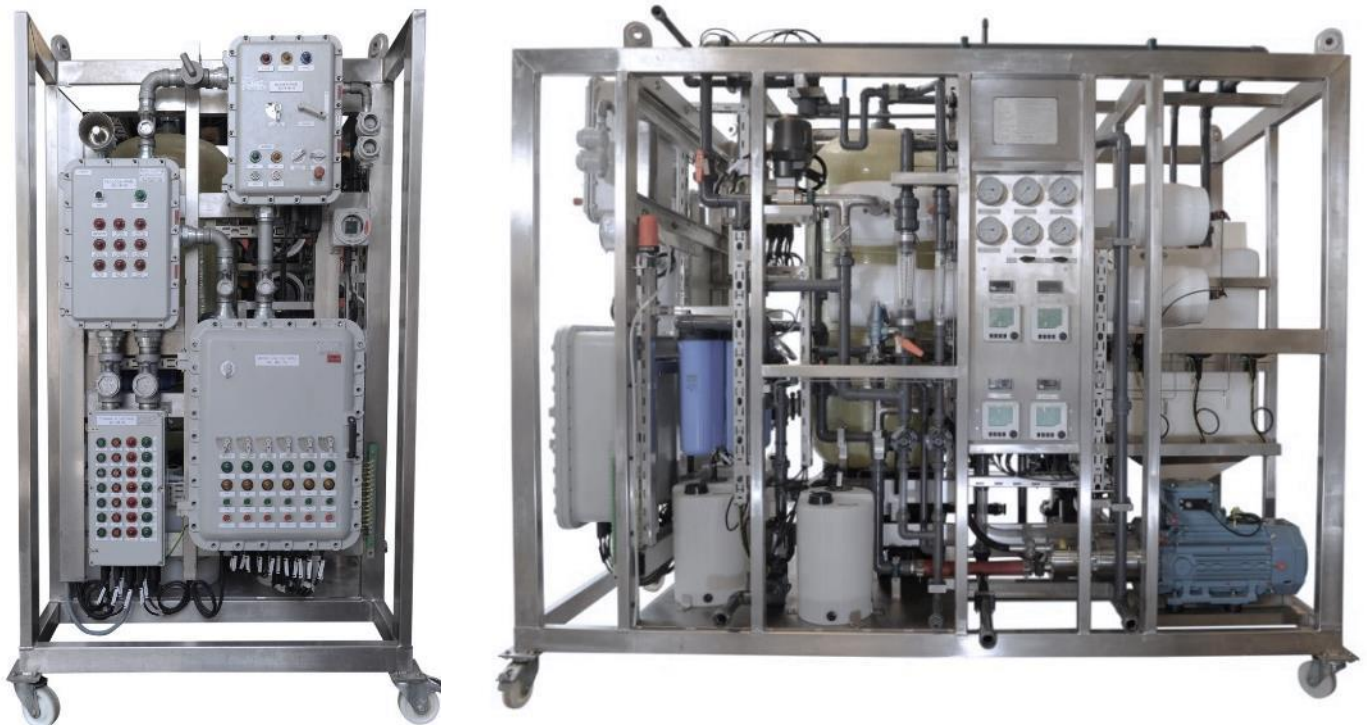


## Skid Mounted

Zone 2 Sea Water R.O. System

Zone 2 Sea Water R.O. System Capacity- 25 CMD

Supplied for a drilling rig





More than 40 years specialised in the manufacture of grade 100 and grade 80 high-strength chains and lifting equipment for offshore and naval use.

Our extensive experience, gained through participation in leading projects, as well as our ability to adapt to the special needs of these projects make us a trustworthy partner in ensuring their correct development.

We take part in all stages, from design to the supply of materials, installation and launch.

Our technical assistance service and our spare parts department guarantee support throughout our products entire service life.

### Our products



Overhead and jib cranes



Hoists and trolleys



Handling equipment and systems



Auxiliary lifting accessories



Electro-hydraulic clamshell grabs



Chains

#### Chain & Lever Blocks for Lifting Purpose

*Our modern facilities, the manufacture in accordance with the international standards and the most exhaustive quality controls, assure a superior product, which is present in the most exigent markets worldwide.*

*The versatility of our process enables us to offer a wide range of chains, manufactured with the best materials and thus recognized in every professional sector (industry, lifting, fishing, mining, marine, agriculture, etc.)*

*They are light, with a high resistance to wear, to marine corrosion and to fragility.*

*Our wide range includes three types of chain, depending on the link length. Different finishes are available: self colour, painted, galvanised, etc.*

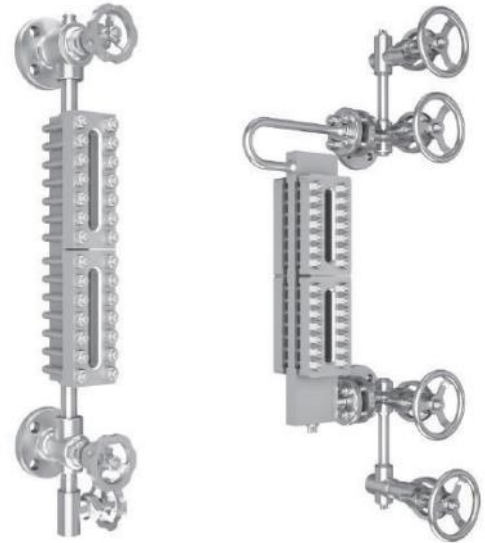




## Nihon Klingage Co . Ltd

### Level Instrument

- Direct reading liquid level gauge
- Direct reading liquid level gauge
- Magnetic level indicator
- Sight glass Klinport ®
- Klearport® glass
- Displacement type level gauge
- Differential pressure level gauge



## K ONE STEEL Co., LTD

In summary our **PRODUCT RANGE** comprises:-

- **Pipes :**

Duplex / Super Duplex, Nickel Alloys, Copper Nickel, Chrome, Low Temp, Stainless Steel, Carbon Steel

- **Fittings :**

Duplex / Super Duplex, Nickel Alloys, Copper Nickel, Chrome, Low Temp, Stainless Steel, Carbon Steel

- **Flanges :**

Duplex / Super Duplex, Nickel Alloys, Copper Nickel, Chrome, Low Temp, Stainless Steel, Carbon Steel

- **Others :**

Plates, Roundbars, Tubes , Valves, Studbolts & Nuts, Pipe Bend





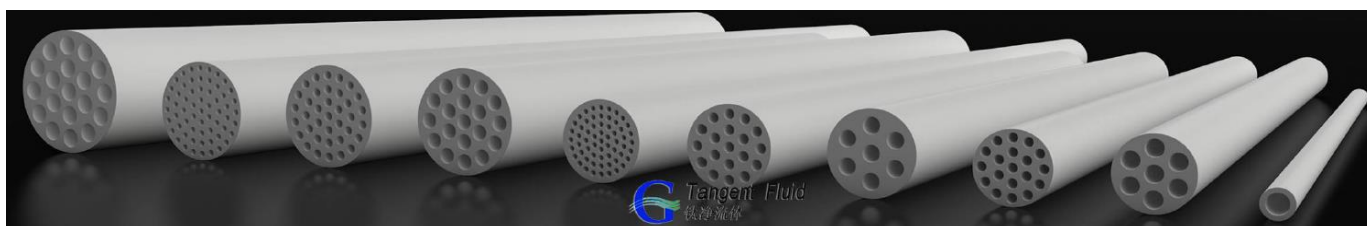
Founded in 2010, Nanjing Tangent Fluid Technology Co. Ltd (TFT) is a producer for microfiltration & ultrafiltration ceramic membranes. TFT has been producing and developing tubular ceramic membranes for many years, which have been widely applied for high accuracy filtration and separation in food&beverage, petrol chemical, pharmaceutical, and waste water treatment etc.

TFT can offer you full range products from MF/UF ceramic membrane, Zeolite Pervaporation membrane, Lab pilot unit, scaled-up membrane system for process industry.

**Our Product;**

- 1) CRM MF/UF Tubular Ceramic Membrane
- 2) FCM Flat Sheet Membrane
- 3) PCR Honeycomb Membrane
- 4) PV & VP Zeolite Membrane
- 5) CRH Membrane Housing & Modul

Membrane Model								
	CRM0760 OD=25mm SL=1178mm*	CRM1935 OD=25mm SL=1178mm	CRM3720 OD=25mm SL=1300mm	CRM0960 OD=25mm SL=1178mm	CRM1940 OD=30mm SL=1016mm	CRM3730 OD=30mm SL=1200mm	CRM1960 OD=40mm SL=1000mm	CRM3736 OD=40mm SL=1000mm
Module area m <sup>2</sup>								
Load Qty								
CRH 1	0.16	0.25	0.30	0.20	0.24	0.42	0.36	0.42
CRH 3	0.5	0.75	0.9	0.6	0.7	1.3	1.1	1.3
CRH 7	1.1	1.7	2.1	1.4	1.7	2.9	2.5	2.9
CRH 12	1.9	3.0	3.6	2.4	2.9	5.0	4.3	5.0
CRH 19	3.0	4.7	5.7	3.8	4.6	8.0	6.8	8.0
CRH 25	4.0	--	--	--	6.0	10.5	9.0	10.5
CRH 27	4.3	--	--	--	6.5	11.3	9.7	11.3
CRH 37	5.9	9.2	11.1	7.4	8.9	15.5	13.3	15.5
CRH 61	9.8	15.0	18.3	12.2	14.6	25.6	22.0	25.6
CRH 91	14.4	--	--	--	21.8	38.2	32.6	38.2
CRH 138	22.1	34.5	41.4	27.6	33.1	58.0	--	--



## OTHER PRODUCT

### PUMP

Providing maintenance and servicing for all type of pumps;

- Centrifugal Pumps
- Vertical Pumps
- Axial Piston Pumps
- End Suction Pumps



### SLUDGE TREATMENT

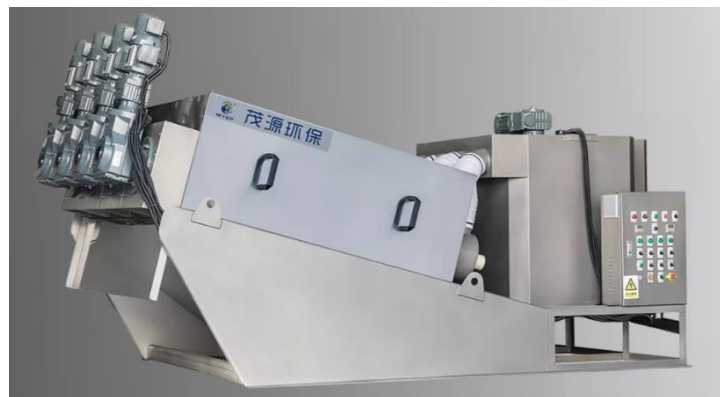
Wastewater treatment equipment that cover the entire sludge treatment process, including sludge dewatering and sludge thickening.

#### a) Sludge Dewatering Methods

Separation of liquid and products from other waste streams depending on the level of dry solids content desired, space available and other requirements.

#### b) Sludge Thickening Methods

mechanical sludge thickening of sludge from clarifiers has become the industry norm prior to digestion or dewatering.



### CHEMICAL INJECTION SKID

Chemical injection skids are widely used in oilfield to inject exact amounts of chemicals and reagents into the process lines at required temperatures, pressures and flow rates. The chemicals helps to increase separations efficiency and safeguard the system from corroding quickly and forming wax, foam, scales and hydrates.

