

# HAFE PROJECT SOLUTIONS

## Water & Wastewater Treatment



HAFE International Limited

### Products we offer

- Water Treatment and Pre-treatment
- Pumps and Pumping Equipment
- Pipes and Pipe Components
- Water Filter Systems and Cartridges
- Cover system
- Water metering
- Water treatment solutions
- Water chemicals

### Some technologies we use for our Water Division





# Water & Wastewater Treatment





# HAFE Project Solutions



making project engineering,  
procurement and contraction easier

## WHO WE ARE

Based in China, HAFE Project Solutions (abbr. HAFEPS) is the key industrial project platform initiated and operated by HAFE International Limited since 2013. And it is established on the basis of our over 10 years' experience accumulations of expertise and know-how in various industries.

## WHAT WE DO

HAFE-PS is aiming to provide EPC companies, small & medium contractors, designer companies, global equipment distributors, or other independent project players with our unique project supports through multitude of interdisciplinary product and service solutions and procurement consulting & implementation for engineering, procurement and construction process.

## WHY WORK WITH US

Working with us, you may get some of the below benefits:

- Ever best and viable industrial product & equipment procurement, quick response and support to projects just in time
- Enhancement of your capability to support your downstream business concerning EPC life cycle
- Diversification of your upstream resources by leveraging portable product and service solutions
- Boosting business strength and improving overall competitiveness
- Enlarge potential business scope and tap new business area with optimized chances and minimized risk

## HAFE-PS OFFERS PRODUCTS AND SERVICES TO AN EXTENSIVE RANGE OF CLIENT MARKETS

- HAFE-PS provides a series of project-life-cycle product and service solutions for small and medium worldwide EPC (engineering, procurement, construction) companies and distributors or dealers serving local EPC companies and their project needs.
- HAFE-PS has capability and resources, above all, expertise and know-how to provide Clients with confidence that their project needs met timely, rightly, safely, and within budget.

# HAFE Water & Wastewater Treatment Division

## HAFE Water and Wastewater Treatment Division

HAFE water and wastewater treatment division provides cost-effective water treatment, water recovery, and water recycling solutions to major industries around the world – helping protect assets and mitigate risks. Thus, HAFE formulates and manufactures specialty water treatment chemicals and products for a wide range of water treatment applications.

We have the experience, technologies, formulations and expertise to ensure you get the right treatment every time. Our team of professionals are dedicated to satisfying the requirements of international water treatment reseller and guaranteeing you great value for money.

From water treatment chemicals and complete wastewater treatment systems, to environmentally friendly industrial cleaners and sanitizers, pulp and paper chemicals or water treatment technical services, HAFE has the state-of-the-art products and expertise to help your facility reach its goals, our wide range of technologies and extended know-how in all water-related sectors will guarantee you a cost-efficient solution meeting your water quality requirements.

We deal regularly with clients from various origin: municipalities, water bottlers, hotels and resort requiring safe drinking water for their visitors, farmers needing specific irrigation water for their plants, but also industries like power plants, oil and gas, chemical factories, requiring specific process water for their equipment.

## WE PROVIDE INDUSTRIAL AND MUNICIPAL WATER TREATMENT CHEMICALS, EQUIPMENT FOR A HOST OF WATER DEPENDENT OPERATIONS:

- Water clarification and treatment
- Wastewater treatment chemicals and systems
- Potable water treatment
- Cooling water treatment and Boiler systems
- Groundwater remediation
- Seawater desalination (SWRO)
- Pulp and paper chemicals
- Mining process water process
- Oil and Gas water process

## PRODUCTS AND APPLICATIONS FOR WATER AND WASTEWATER TREATMENT

- Water Treatment and Pre-treatment
- Pumps and Pumping Equipment
- Pipes and Pipe Components
- Water Filter Systems and Cartridges
- Cover system
- Water metering
- Water treatment solutions
- Water chemicals

# Products we offer



## WATER TREATMENT AND PRE-TREATMENT

Our water treatment system covers primarily below technologies and equipments:

- Ion exchange treatment technologies
- Dissolved solids loading instrument
- Metal recovery treatment systems
- Evaporator systems
- Ozone groundwater treatment systems
- UV DISINFECTION WATER TREATMENT SYSTEMS
- OZONE OXIDATION GENERATORS



## PUMPS AND PUMPING EQUIPMENT.

Pumps for your most critical applications

- We help transport and treat water and wastewater as per your most stringent requirements.
- Water transport and supply: specialists in transporting large volumes of water across long distances and high geodetic heights.
- Desalination and water reuse: full range supplier of highly efficient pumps for seawater desalination plants using reverse osmosis (RO) and multi-effect distillation (MED)
- Irrigation and flood control: comprehensive range of vertical pumps for cost effective solutions for irrigation and drainage of agricultural lands.
- Wastewater: full range of submersible pumps, mixers and aeration solutions for wastewater collection and treatment.
- Deep mine dewatering: reliable, robust and easy-to-maintain pumps for heavy duty, abrasive applications in deep mine dewatering.



## PIPES AND PIPE COMPONENTS

The company custom makes products for clients with:

- Polyethylene (PE, HDPE and UHMWPE)
- Polyvinylchloride (PVC, UPVC and CPVC)
- Polypropylene (PP)

HAFE serves companies working across many industries which include, but are not limited to:

- Mining / mineral processing
- Commercial plumbing
- Water treatment
- Civil and mechanical engineers and contractors



## WATER FILTER SYSTEMS AND CARTRIDGES

Our equipment includes automatic self-cleaning filters, MF, Ultra-, RO filtration equipment and cartridge filter systems, media filters, available for:

- Containerised drinking water systems
- Water intake systems
- RO and UF pre filtration for desalination plants
- Oil / water separation
- Boiler feedwater deaeration, dissolved gas removal and corrosion control
- EDI and CDI technology

# Products we offer



## COVER SYSTEM

HAFE designs, engineers, fabricates cover systems for water and wastewater facilities at municipal, commercial and industrial sites around the world. Treatment tanks and lagoons, of virtually any size or shape, can be securely covered to control and contain odors, reduce heat loss, collect biogas, capture VOCs, eliminate sunlight penetration to control algae, and prevent splashing.

**HAFE features several custom and patented cover designs:**

- Floating covers
- Retractable arch-supported covers
- Removable modular covers



## WATER METERING.

Designed to solve the most arduous measurement applications, Our products are proven in areas such as water supply, wastewater, bulk material handling, mining and material processing.

The company has below product range:

- Flowmeters, analyzers, pressure and level transmitters
- Advanced microwave transmission
- Guided wave radar
- Magnetic level gauge
- Self-cleaning Acoustic Wave
- Sonar bed level
- Switches



## WATER TREATMENT SOLUTION

HAFE works with a group of companies sharing the specialist knowledge and international experience that provides clean, safe drinking water to hundred thousands of people worldwide.

- WATER AND WASTEWATER PROCESS ENGINEERING
  - ✧ HAFE delivers cost-effective solutions to all water treatment problems, including: turnkey design and construction projects that incorporate major civil engineering, intake works, reservoirs, dams treatment works and pipelines, to a wide range of localised water treatment plants serving small populations.
  - ✧ HAFE has undertaken thousands of projects that range from treatment works refurbishment to tailor-made wastewater treatment plants and to the quality-assured manufacture of all associated mechanical and electrical equipment.
- MEMBRANE TECHNOLOGY AND DESALINATION
- PACKAGED PLANTS AND PRODUCTS



## WATER CHEMICALS

We manufacture and supply speciality water treatment chemicals for oilfield, wastewater treatment, potable water, mineral processing, sugar and paper industries.

- Ultra high molecular weight flocculants
- Polyacrylamides and coagulants for the wastewater treatment industry
- Polyacrylamides for municipal wastewater treatment and sugar industry
- Powder polyacrylamides for the paper industry and potable water treatment industry