



# ALBE ADVANCE

[www.albeadvance.com](http://www.albeadvance.com)

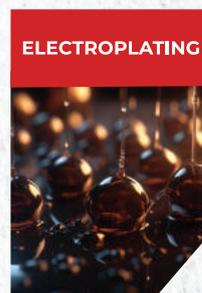
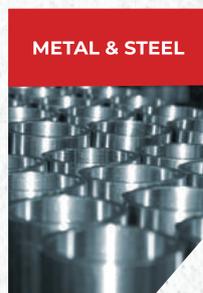
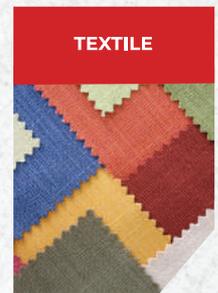
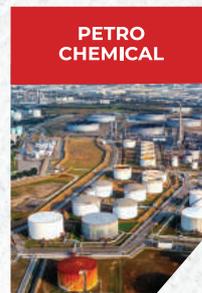
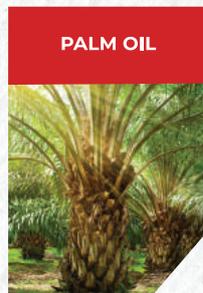
INNOVATIVE ONE-STOP CENTRE  
FOR WATER TREATMENT SOLUTIONS

ALBE  
ADVANCE

Founded in 2000, ALBE ADVANCE GROUP is your leading one-stop center for comprehensive water treatment solutions. We are proudly ISO 14001 and ISO 9001 accredited, with over two decades of specialized experience.

We deliver cost-effective, sustainable, and tailored solutions, encompassing equipment, chemicals, system design, construction, and maintenance. Our team excels in crafting customized water treatment systems, spanning biological, chemical, and physical processes, all while meeting strict environmental and regulatory standards. Providing effective and efficient business solutions is our commitment.

## WE SERVE A WIDE RANGE OF INDUSTRIES WITH OUR INNOVATIVE SOLUTIONS, INCLUDING:



**And Many More!**

# OUR VISION

Becoming the no. 1 preferred industrial water treatment partner in Malaysia.

# OUR MISSION

To protect our precious resources: clean water.



# DIRECTOR'S MESSAGE

We believe there are ways to do it better, combining principles and innovation technologies, solving problems before no one else sees it.

**Mr. Tan Han Huei**  
Managing Director

# CORE VALUES



**TEAMWORK**



**LEADERSHIP**



**INTEGRITY**



**RESPECT**



**INNOVATION**



# SUSTAINABLE DEVELOPMENT GOALS



Elevate your future with ALBE ADVANCE's SDG-focused water solutions. We go beyond mere compliance to make real positive global impacts. Our water treatment ensures safe water, supports sustainable infrastructure, and fosters innovation in water management. We minimize harm from industrial and agricultural practices, remove harmful and climate-altering substances to reduce environmental impact, protect aquatic ecosystems, and conserve freshwater through recycling.

Through strong collaborations among governments, the private sector, and communities, we further advance water-related Sustainable Development Goals through policy, knowledge sharing, and resource mobilization. With our services, we promote conscientious practices, protect resources, and encourage responsible production. Together, we build a more sustainable future. Pave the way for a brighter future – connect with us today!



# WHAT WE PROVIDE

## 01 SERVICES

CONSULTATION

OPERATION

MAINTENANCE

Elevate your water treatment using our skilled engineers and advanced technologies, ensuring top-tier quality that meets strict environmental standards. Our dedicated team serves clients in various industries, both locally and internationally, offering tailored solutions for your unique needs. We provide comprehensive equipment assistance and staff training, ensuring self-reliance and cost savings.

Benefit from our efficient operational support, including on-the-spot service reports. Empower yourself with our in-house chemists, microbiologists, and lab technicians, supported by on-site tests to identify optimal chemical solutions tailored to your situation. Choose us for modern, secure water management designed to meet your needs.

## PROVIDED SERVICES

- Consultation
- Troubleshooting
- Lab Analysis
- Training
- Compliance Check & Recommendations
- Performance Monitoring Guidance
- DOE Liaison
- EPMC Liaison
- DOSH Liaison
- Application of Special Waste Management
- IETS Fitness Analysis
- 24/7 Support

## BENEFITS FROM OUR SERVICES

- Chemical Saving
- Manpower Saving
- Sludge Disposal Cost Saving
- DOE Compliance
- Smaller Footprint



# 02 CHEMICAL & BIOPRODUCT

We specialize in providing chemicals and formulations to treat your water. We conduct on-site lab tests to find the best-fitting solutions and applications. Through the integration of innovation and collaboration with experts and educational institutions, we can develop improved and tailored solutions to your unique problems. Our dedication is to always ensure clean and safe water for our communities and environments, and we take pride in delivering excellent outcomes.

## APPLICATIONS FOR OUR FORMULATED SOLUTIONS

### WASTEWATER

- Coagulant
- Flocculant
- Antifoam
- Enzymes & Bacteria Culture
- Heavy Metal Precipitant

### REVERSE OSMOSIS WATER

- Antiscalant
- Acid Membrane Cleaner
- Alkaline Membrane Cleaner
- Microbiocide

### RAW WATER

- Anionic Flocculant
- Cationic Flocculant
- Non-Ionic Flocculant
- Inorganic Coagulant
- Organic Coagulant
- Metal Remover

### BOILER WATER

- Sludge Conditioning
- Alkalinity Builder
- Scale Inhibitor
- Corrosion Inhibitor
- Oxygen Scavenger
- Condensate Line Treatment
- Antifoam
- Silica Dispersant
- All-in-One Programs

### COOLING WATER

- Corrosion Inhibitor
- Scale Inhibitor
- Scale & Corrosion Inhibitor
- Biodispersant
- Microbiocide
- Antifoam

### ONCE-THROUGH COOLING WATER

- Microbiocide
- Macrobiocide
- Molluscicide
- Dispersant Cum Penetrant

### PAINT SLUDGE

- Paint Detackifier
- Paint Flocculant

### ION EXCHANGE RESIN

- Softening
- Demineralization
- Condensate Polishing
- Ultrapure Water Production
- Chelating Resin for Selective Ion Removal

## WE OFFER VARIOUS CHEMICAL PROGRAMS DEPENDING ON YOUR NEEDS:

RM/m3 – Based On The Incoming Flow

Fixed Cost – For Monthly Chemical Consumption

Ala-Carte – Order Upon Request

And Many More!

# 03 PROJECT & DESIGN

ENGINEERING

PROCUREMENT

CONSTRUCTION

COMMISSIONING

Staying ahead in environmental regulations, we incorporate cutting-edge technology into our water treatment system projects and designs. We ensure that our designs adhere to design principles and remain top-of-the-game, delivering reliable, economical, and innovative water treatment solutions for each client.

## DESIGN PRINCIPLES

- DOE Rules & Regulation Compliant
- Efficient Design
- Easy Operation & Maintenance
- Problem Anticipation
- Contingency Planning

- Cost-Effectiveness
- Process Automation
- Footprint Reduction
- Energy Saving
- Environmentally Friendly

## WHAT WE OFFER

- Industrial Effluent Treatment System (IETS) Process Design, Engineering & Construction
- Industrial Effluent Treatment System (IETS) Consultation
- Industrial Effluent Treatment System (IETS) Project Management
- Liaison With Authorities (Department Of Environment) & Submission of Written Notification
- Engineering Drawing Endorsement By A Professional Engineer (PE/IR) From Board Of Engineers Malaysia (BEM)



# 04 EQUIPMENT & SYSTEMS

We offer a diverse range of water treatment solutions designed with a combination of user-friendly efficiency and environmental consciousness, delivering high-quality machinery. Our engineers facilitate straightforward equipment installation and maintenance, ensuring a seamless process. Our customized solutions are carefully crafted to meet rigorous environmental standards while also ensuring cost savings, demonstrating our dedication to effective and sustainable outcomes.

## SCREENING SYSTEM

- Rotary Screen
- Static Screen

## PRIMARY CHEMICAL TREATMENT SYSTEM

- Chemical Dosing Pumps
- Auto Polymer Preparation System (APPS)

## SECONDARY BIOLOGICAL TREATMENT SYSTEM

- Membrane Bioreactor (MBR)

## TERTIARY FILTRATION SYSTEM

- Activated Carbon Filter
- Multimedia Filter
- Ultrafiltration
- Reverse Osmosis

## CLARIFICATION SYSTEM

- Dissolved Air Floatation
- Clarifier

## SLUDGE DEWATERING SYSTEM

- Multi-Disc Screw Press
- Filter Press
- Membrane Filter Press

### LOW TEMPERATURE SLUDGE DRYER



### TURBO BLOWER



### PERFORMANCE MONITORING INSTRUMENTS



### LAB EQUIPMENTS



### DISINFECTION SYSTEM



### WATER RECYCLING SYSTEM



### BIOGAS SYSTEM



### ALBE 24/7-REMOTE MONITORING SYSTEM (WATER TREATMENT PLANT)



### BOILER/ COOLING MONITORING SYSTEM





**ALBE ADVANCE GROUP  
CHEME ADVANCE SERVICES SDN BHD**

## **WISMA ALBE ADVANCE**

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