

ISO 9001 • ISO 14001  
ISO14001-0047987/ISO9001-0047987









**ALAM SEKITAR MALAYSIA SDN BHD**  
A Member of PICORP Group of Companies

SHARING ENVIRONMENTAL SOLUTIONS FOR A BETTER FUTURE

# COMPANY PROFILE

## Our Services |

-  AIR QUALITY MANAGEMENT
-  WATER QUALITY MANAGEMENT
-  ENVIRONMENTAL MONITORING SERVICES
-  DOMESTIC WASTEWATER
-  WATER & INDUSTRIAL WASTEWATER
-  ENVIRONMENTAL CONSULTANCY

OUR COMPANY, PRODUCTS & SERVICES ARE REGISTERED WITH



[www.enviromalaysia.com.my](http://www.enviromalaysia.com.my)




# ABOUT US

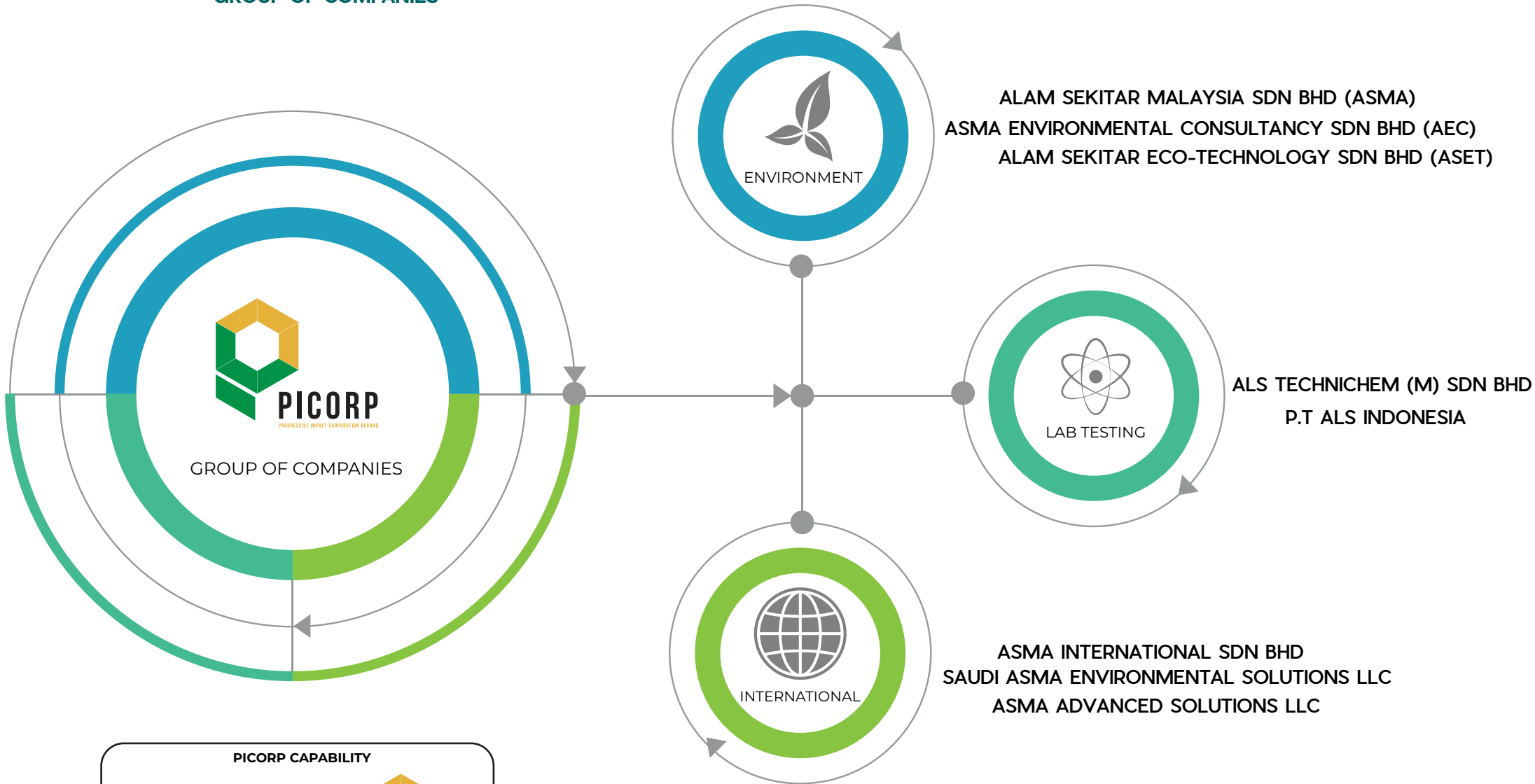
---

Alam Sekitar Malaysia Sdn Bhd (ASMA) has been at the forefront of environmental monitoring and consultancy services since 1995 when it was awarded a concession by the Malaysian Government to establish a systematic and comprehensive environmental monitoring network for ambient air and river water quality for the nation and establish the National Environmental Data Centre till April 2017.

Now, ASMA has evolved into a one-stop environmental centre that offers a wide range of services and products and is rapidly advancing towards realising its vision to be the premier total environmental solutions provider.



PROGRESSIVE IMPACT CORPORATION BERHAD (PICORP)  
GROUP OF COMPANIES



### PICORP CAPABILITY

Total Employee : **542**  
Paid-up capital : **RM65M**  
Market Capitalization : **RM79M**



As of 31 December 2019

# PICORP GLOBAL PRESENCE



ALAM SEKITAR MALAYSIA  
SDN BHD



ALS TECHNICHEM (M) SDN BHD



P.T. ALS INDONESIA



SAUDI ASMA  
ENVIRONMENTAL SOLUTIONS LLC

### OUR MISSION

To be the preferred choice in providing total environmental solutions, employing state-of-the-art technologies, quality system, and services supported by a team of dedicated professionals.



#### WHO WE ARE

ASMA has been at the forefront of environmental services since 1995 when it was awarded a concession by Malaysian Government for ambient air and river water quality monitoring.



#### WHY CHOOSE US

With more than 25 years of experience, we are committed to providing excellent services in meeting our customers' needs and expectations.



#### WHAT WE DO

ASMA focuses on sustainable environmental solutions for a wide range of products and services.

An aerial photograph of a city at dusk. In the foreground, a multi-lane highway with a concrete barrier runs diagonally across the frame. Below the highway, there are residential buildings and trees. In the background, a dense urban skyline is visible, featuring several tall skyscrapers, including the Petronas Twin Towers. The sky is a mix of blue and orange, with some clouds. A semi-transparent blue overlay covers the right side of the image, containing the text.

# AIR QUALITY MANAGEMENT

# AIR QUALITY MONITORING STATION

ASMA Air Quality Monitoring Stations (AQMS) are designed to continuously measure ambient air for gaseous pollutants such as SO<sub>2</sub>, NO<sub>2</sub>, O<sub>3</sub>, CO, HC, particulate matters (PM<sub>10</sub> & PM<sub>2.5</sub>) and meteorological parameters that include wind speed, wind direction, UVB, temperature and humidity.

Employing state-of-the-art instrumentation to continuously monitor the major pollutants in the air, ASMA also customizes the station design based on client's requirements. Our new compact AQMS offers a combination of ambient air and odour pollutants monitoring.



**AQMS**

# CONTINUOUS EMISSION MONITORING SYSTEM

ASMA offers DOE-approved Continuous Emission Monitoring System (CEMS) solutions with highly cost effective and reliable measurements which adhere to local and international standards.

Our inventory of solutions encompasses various modes of sampling techniques and our team of experts caters tailored solutions to meet the client's requirements.

ASMA range of services include:

- In-situ Opacity/Dust monitoring
- Point In-situ SO<sub>x</sub>, NO<sub>x</sub> Monitoring
- Dry/Full Strength Extractive for Gasses
- Dilution Extractive for Gasses
- Online CEMS Reporting System
- CEMS Performance Test for Certification
- and many more...



**CEMS  
INSTALLATION**



CEMS/PEMS  
TESTER

# PREDICTIVE EMISSION MONITORING SYSTEM

Predictive Emission Monitoring System (PEMS) is an innovative and cost effective solution. PEMS has been demonstrated to be accurate and highly reliable compared to Continuous Emission Monitoring System (CEMS) in independent field tests conducted in accordance with U.S. EPA tests methods and procedures.

PEMS is designed to provide advanced and superior emission monitoring capability and is guaranteed to pass certification testing. PEMS is an alternative to CEMS. Since 2009, ASMA has successfully completed and obtained Department of Environment (DOE) approval for more than 40 PEMS-related installations at different industries.

Together with our partner, CMC Solutions, we continue to promote this most advanced emission monitoring solution available in the market today.

US EPA TEST METHOD

APPROVED





# PEMS & CEMS AUDIT

ASMA undertakes audit works based on regulation requirements for our clients. Supported by ASMA's own six (6) mobile and two (2) portable CEMS units, the range of services include:

- PEMS Audit (RAA & RATA) ●
- CEMS Audit (CVT and AST) ●

As a registered tester by the DOE, ASMA is competent to carry out audit works and has successfully completed more than 60 audit works nationwide.



A yellow autonomous water quality monitoring buoy is floating on a river. The buoy is equipped with three solar panels and a central sensor mast. In the background, a large mosque with a prominent dome and minaret is visible across the water. The scene is set in a tropical environment with palm trees and a clear sky.

# WATER QUALITY MANAGEMENT



# ONLINE WATER QUALITY MONITORING

In response to challenges surrounding water quality monitoring, ASMA has led the way to provide breakthrough online water quality monitoring instrument and network system. Equipped with our vast experience and highly trained personnel, we have successfully completed more than 100 units of online water quality monitoring system for drinking water, river, lake, marine water and industrial effluent.

We take pride of having installed the first online monitoring system for the drinking water distribution network in the country and online lake water quality monitoring system for Putrajaya Lake & Wetlands.



**SPAN**<sup>®</sup>  
Suruhanjaya Perkhidmatan Air Negara

 **APPROVED**  
ANALYZER 



# MANUAL WATER QUALITY MONITORING

---

Proven track record during national concession with the Government of Malaysia, ASMA offers a comprehensive range of services for surface water quality monitoring assessing both management and control strategies. The outcome shall also assess the potential impacts arising from development activities.



# ENVIRONMENTAL MONITORING SERVICES



# ENVIRONMENTAL MONITORING SERVICES

ASMA leverages on the growing requirements within the industry to comply with the Department of Environment Malaysia's (DOE) regulations as well as ISO 14001 requirements, in the provision of environmental monitoring services. Our vast experience in environmental monitoring is demonstrated in the range of high impact clients from various industries.

Reliability and data integrity have always been our primary aim in providing timely and professional services, well supported by the Laboratory Accreditation Malaysia (SAMM) and ISO 17025 accreditation laboratory.

Our range of environmental monitoring services include:

- Groundwater Monitoring ●
- Ambient Air Monitoring ●
- Odour Monitoring ●
- Provision of Environmental Officer (EO) ●
- Surface Water Sampling (River & Marine) ●
- Stack Monitoring ●
- Noise Monitoring ●
- Vibration Monitoring ●
- Environmental Audit ●
- Effluent Monitoring ●
- and many more ●



# DOMESTIC WASTEWATER



# DOMESTIC WASTEWATER

Bi-Act Super Dissolved Oxygen (Bi-Act SDO)<sup>®</sup> is an award-winning and National Water Services Commission (SPAN)-approved hybrid wastewater technology promoted by ASMA since 2014. Bi-Act SDO is a simplified, modernized aerations process for adding oxygen into bio-waste treatment which incorporates a combination of two (2) biological wastewater treatment processes:

Fixed Film Process and Activated Sludge Processes

Among the key competitive advantages of Bi-Act SDO include:

- Innovative Hybrid Design
- Smaller Footprint 50% Reduction
- Energy Saving 50% Reduction
- Optimum Productivity
- Minimum Sludge Production
- Minimum Odour





# **WATER & INDUSTRIAL WASTEWATER**

# WATER & INDUSTRIAL WASTEWATER

ASMA offers comprehensive solutions and services in water and industrial wastewater treatment comprising consultation, planning, management, operations and maintenance that have been contaminated by anthropogenic industrial or commercial activities prior to its release into the environment or its recycle and reuse. We also specialize in the tertiary treatment system that includes palm oil mill effluent (POME) industry and drinking water purification system.





# ENVIRONMENTAL CONSULTANCY



# ENVIRONMENTAL CONSULTANCY

---

ASMA has a team of experienced environmental consultants specialized in various environmental fields:

**Environmental Impact Assessment (EIA) •**

**Environmental Site Assessment (ESA) •**

**Environmental Management Plan (EMP) •**

**Environmental Audit (EA) •**

**Feasibility and Expert Study •**

**Environmental Training •**

# FEASIBILITY & EXPERT STUDY

Multidisciplinary expertise within ASMA has allowed the company to carry out preliminary and in depth technical studies that include:

- Environmental Master Plan
- Environmental Feasibility Study
- Water Quality Modelling - LTHIA, QUAL2K and QUAL2E
- Integrated River Basin Management Plan
- Total Maximum Daily Load (TMDL) Study
- Hydrology Studies
- GIS-Based Integrated Environmental Management System
- Biological & Biodiversity Monitoring
- Groundwater Pumping Test Study



# ENVIRONMENTAL TRAINING

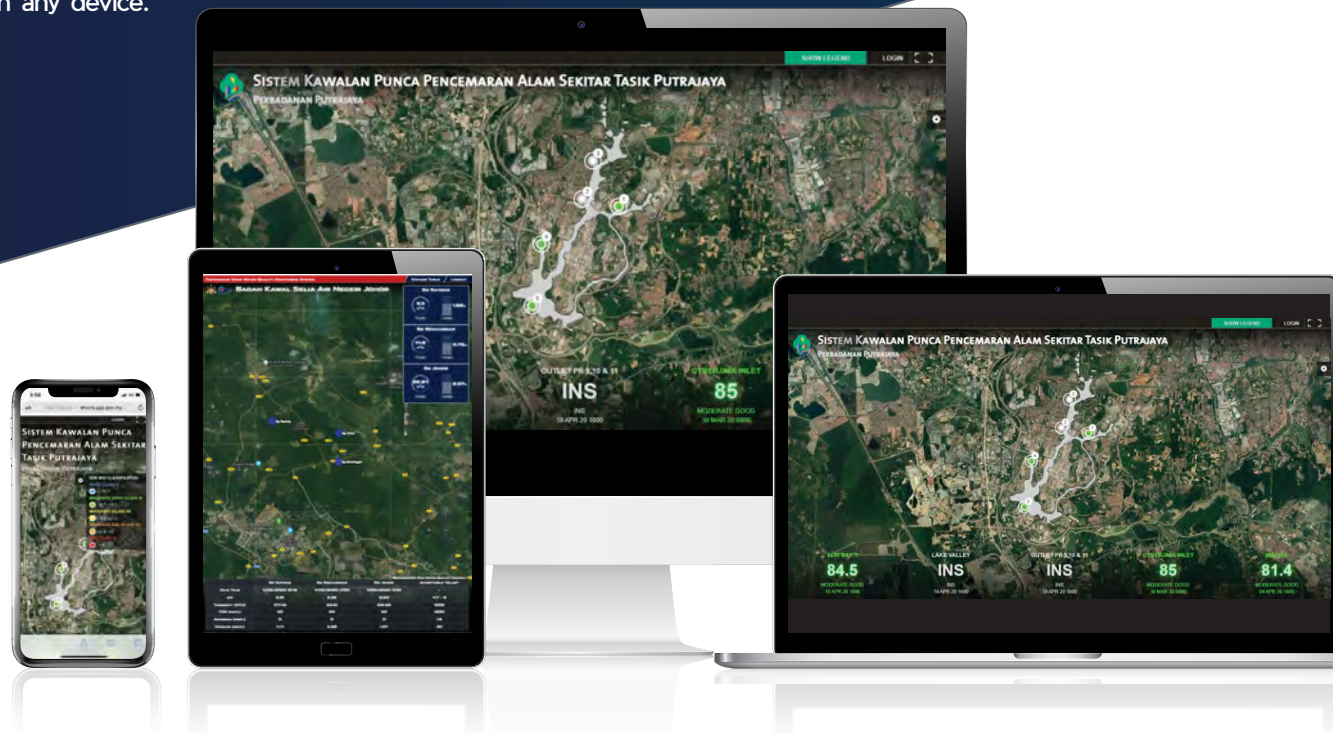
Our training courses include a mixture of theoretical and practical components that are facilitated by experts in the relevant fields, supported by stimulating visual aids and attractive graphics. Some courses incorporate simulated project work, site visits and group discussion.

- Environmental Awareness
- Environmental Quality Act 1974 & its Regulations
- Air Quality Monitoring & Modelling and Air Pollution Control
- Emission Pollution Control Regulations & Technology
- Water Sampling, In-Situ Measurement & Analysis
- Wastewater/Sewage Treatment Plant Management
- Noise Monitoring, Noise Exposure Monitoring & Noise Mapping
- Occupational Safety & Health Act 1994
- Life Cycle Assessment
- Water Quality Modelling (QUAL2K, LTHIA)



# ENVIRONMENTAL DIGITALIZATION

ASMA provides integrated and centralized environmental data, real time basis, automatic data collection, quality assurance, alert notification and auto synchronization for backup data centre. Digitalization helps reinvent processes, improve quality and promote consistency. By going digital, ASMA enables our clients to have access to all the information they need anytime, anywhere from any device.





Ambient Air & Emission



Ambient Air & Odor



Particulate Matter &  
Meteorological



A SCENT OF FUTURE  
Hydrocarbon



PEMS



CEMS



Water Quality

# OUR PRODUCTS AND DISTRIBUTORSHIP

ASMA is the authorized distributor for leading brands in ambient air, emission (CEMS & PEMS) and water quality monitoring equipment.



Sharing Environmental Solutions  
for a Better Future

# THANK YOU



Suite 5.01A, Mercu PICORP, Lot 10, Jalan Astaka U8/84,  
Bukit Jelutong, 40150 Shah Alam, Selangor, Malaysia.



+603 - 7845 4566



+603 - 7845 3566



asma@enviromalaysia.com.my / bd@enviromalaysia.com.my



Alam Sekitar Malaysia Sdn Bhd

[www.enviromalaysia.com.my](http://www.enviromalaysia.com.my)