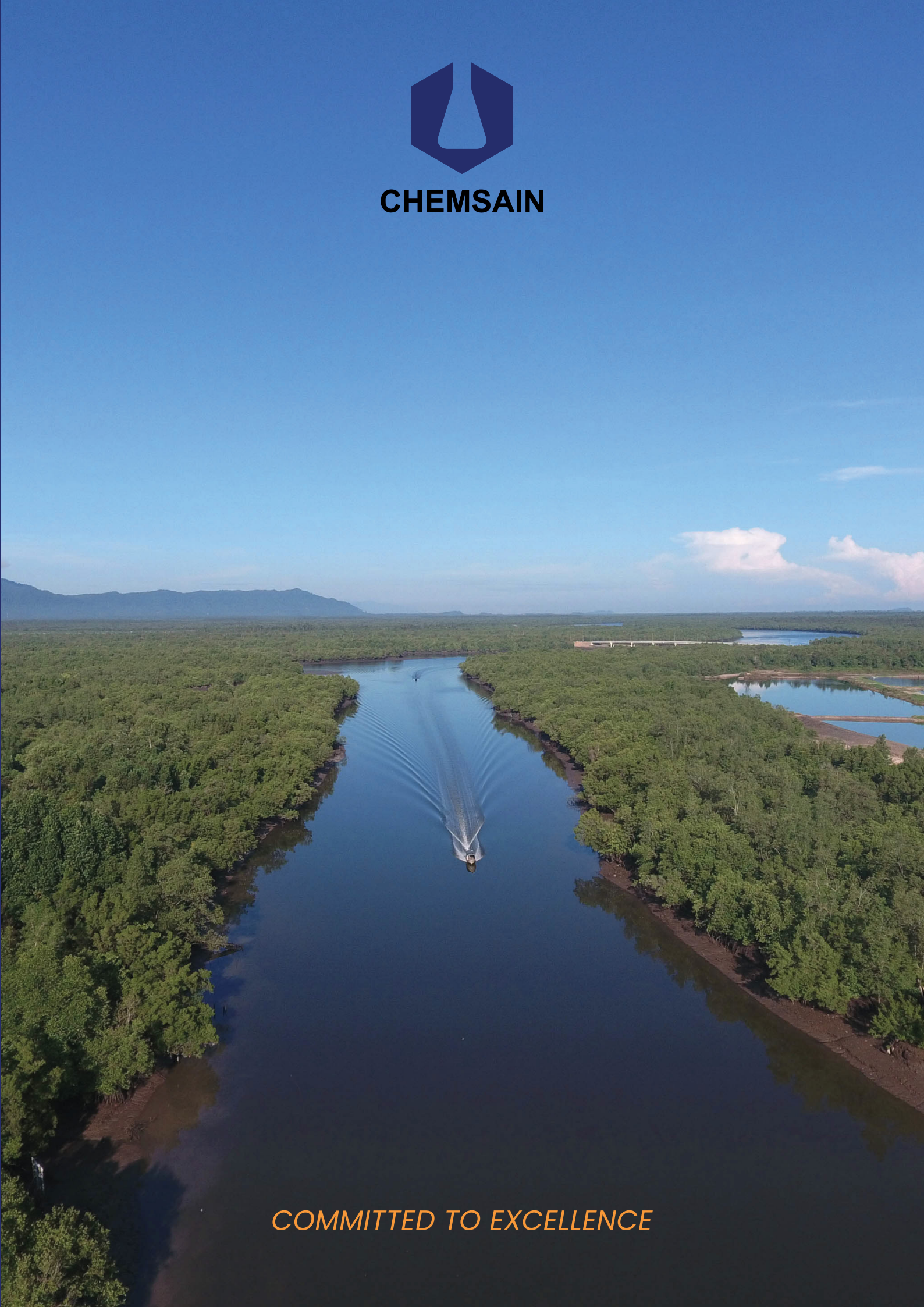




**CHEMSAIN**



*COMMITTED TO EXCELLENCE*

# OUR SERVICES

## LABORATORY

MS ISO/IEC 17025 Accredited

### Chemical & Microbiological Testing

- Water / Drinking Water / Potable Water
- River / Wastewater / Industrial / Effluent / Sewage / Groundwater
- Estuarine Water / Marine
- Food & Food Products
- Fertilizers / Soil / Plants
- Sediment / Sludge / Scheduled Waste (TCLP)
- Water Treatment Chemicals
- Palm Oil & Palm Oil Products
- Industrial Hygiene samples such as filters, solid sorbent tubes
- Cooling Water
- Surface, Equipment & Hand Swab Testing

### Oil & Gas Testing

- Crude oil & Petroleum feedstock
- Crude Assay
- Gas & Crude Pipeline Fluid
- Natural Gas
- Lube oil / Transformer oil
- Biodiesel / Biodiesel blend / Diesel fuel
- Aviation fuel
- Formation Water / Produced Water
- Piggings Debris
- Fire Fighting Foam
- Production Surveillance Services – Onsite contaminants mapping including mercury & H<sub>2</sub>S

## ENVIRONMENTAL CONSULTANCY

- Environmental Impact Assessment (EIA)
- Environmental Social Impact Assessment (ESIA)
- Environmental Management Plan (EMP)
- Environmental Compliance Audit
- Environmental Monitoring Programs
- Environmental Site Assessment (Phase I & II)
- Due Diligence Environmental Investigations Compliance to Equator Principles
- Environmental Protection Planning and Management Studies
- Master Planning and Feasibility Studies
- Catchment Management Studies
- Social Impact Assessment
- Social Risk Assessment (SRA)
- Environmental Corporate Reporting
- Environmental Modelling – Water, Ground Water, Air, Noise and Soil Erosion
- Hydraulic and Hydrodynamic Modelling
- Oil Spill and Mud Spill Modelling
- Natural Resources Planning and Management
- Coral Mapping
- Risk Assessment
- Terrestrial Ecology Study
- Aquatic Ecology Study

## ENVIRONMENTAL ENGINEERING

- Sewage & Industrial Wastewater Treatment
- Solid & Hazardous Waste Management
- Landfill Design and Management
- Recycling & Resource Recovery
- Industrial Effluent Characterization Study (IECS)
- Written Notifications for Pollution Equipment
- Special Management of Scheduled Waste
- Remediation of Contaminated Sites
- Erosion and Sediment Control Plan (ESCP)
- Environmental Engineering Feasibility / Special Study

## WATER INFRASTRUCTURE

- Water Resources Study and Management
- Design, Supply, Installation, Construction, Control and Operation including Remote Supervisory Control and Data Application (RSCADA) of Water Treatment Plants
- Rehabilitation, Repair & Rejuvenation of Existing Water Treatment Plant & Water Supply Systems
- Supply Water Tanks, Pumps, Valves, Drives, Controllers, Recorders and Fittings

## INFORMATION MANAGEMENT

- Local/Remote Process Control & Instrumentation, Monitoring via GIS/SCADA Integrated Platform
- Non-Revenue Water (NRW) Monitoring System
- Remote District Metering (DMA) and Automated Meter Reading (AMR) Monitoring System
- Integrated Environmental Management System
- Utilities and Asset Inventory Mapping
- Laboratory Information Management System (LIMS)
- Waste Management Information System (WMIS)
- Geo-Spatial Information System (GIS)
- Stack Continuous Emission Monitoring Systems (CEMS), Control and Operation

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**At Chemsain, we believe  
in delivering sustainability,  
quality and innovation.**

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## ON SITE TESTING & SAMPLING

### Environment

- Air Quality
- Stack Emission
- Water Quality
- Groundwater
- Boundary Noise
- Soil and Sediment
- Ecology
- Landfill Gas
- Ground Vibration Monitoring
- Independent CEMS Audit – QAL2, AST and Functional Test

### Occupational Hygiene

- Chemical Exposure Monitoring
- Asbestos Fibre Identification & Monitoring
- Vibration Survey
- Noise Risk Assessment
- Indoor Air Quality
- Confined Space Gas
- Mobile Audiometric Testing
- inspection, Testing and Examination of Local Exhaust Ventilation System

### Gas & Crude Pipeline Fluid Sampling

(On-Shore and Off-Shore)

- Bacterial Growth Monitoring (Sulphate Reducing Bacteria)
- Gas, Crude & Condensate
- Pigging Debris

### Other Testing Services

- Chlorination of Reservoirs, Tanks & Pipelines
- RPE Fit Testing

## TRAINING & DEVELOPMENT

- Occupational Safety and Health Coordinator
- Drone – Remote Pilot Certificate of Competency (RCOC-B)
- Environmental
- Chemical Laboratory Operation
- Safety & Health
- Sustainability & Climate

## OCCUPATIONAL SAFETY & HEALTH

- Chemical Health Risk Assessment (CHRA)
- Health Surveillance
- Hazards Identification and Safety Analysis
- Safety Audit/Emergency Response Plan
- Health Risk Assessment (ERA)
- Ergonomics Risk Assessment (ERA)

## DRONE TECHNICAL CENTRE

- Unmanned Aerial Vehicles (UAVs) and Drones Deployment
- Drone Pilot Training
- Aerial Mapping
- LIDAR Mapping
- Environmental Mapping & Forensic Building, Structural & Safety-at-Height Inspection
- Aerial Search and Reconnaissance
- Landfill and Waste Management
- Operational Support

## SUSTAINABILITY

### Climate Related Services

- GHG Accounting & Consulting (i.e. inventory, baseline, lifecycle & intensity)
- Climate-Related Risk Mapping and Disclosure
- Climate-Related Gap Analysis and Benchmarking
- Carbon Project Development (i.e. ARR, REDD+, APD)
- GHG Verification & Audit
- GHG related due diligence & feasibility study

### Sustainability Consulting & Reporting

- Stakeholder engagement
- Materiality Analysis
- Gap Analysis and Benchmarking
- Disclosure Reporting Guided by Relevant Standards and Frameworks
- Sustainability Consulting (i.e. assessments, roadmap & data gathering)
- Sustainability due diligence & feasibility study

## ACCREDITATIONS & CERTIFICATIONS



# OUR OFFICES

## SHAH ALAM (Admin & Consultancy)

No 9, Jalan Astaka U8/83, Bukit Jelutong,  
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