




BARIUM SELAT
always in start-up mode



Contents

CEO's Insights	01
Overview	02
Key Personnel	03
Our Core Values, Vision & Mission	04
Business Pillars	05
Environment, Social & Governance (ESG)	06
Specialty Chemicals	08
Equipment & Services	10
Bio-Fuel	12
Alternative Energy	13
Value to Our Customers	14
Contact Us	15





“

It's been 9 years since we first began this journey, challenging ourselves to accomplish things we had never done before. We have shown that with the right mindset, we can not only push boundaries, but also break them entirely and set our own standards. Supported by Barium Selat's unique company culture, our team of dedicated young talents will enable us to fully realize our vision and develop competent leaders who continue to drive the company forward and upward into greater heights.

”

Kathi Swaran,
Chief Executive Officer

Overview

Established in 2015, Barium Selat has become a key player in the oil and gas industry, providing cutting-edge solutions that enhance drilling operations. As a reputable provider of specialty chemicals, advanced equipment, and innovative solutions, we are committed to meeting the unique demands of oilfield operations, particularly that associated with oil and gas drilling.

As we move forward, Barium Selat is committed to fostering sustainability and innovation. We are expanding our presence into alternative energy and biofuels to support the global transition to greener energy sources. In addition, we strive to expand the limits of advanced materials research, focusing on nanographene and silicon carbide, which provides us the new avenues for a variety of industry sectors.





Key Personnel

With its headquarters in Malaysia, Barium Selat operates across the Asia-Pacific region. We continue to build strategic partnerships, delivering premium value to our customers by staying at the forefront of market trends and adapting to diverse industry needs.

GILBERT KOK
Managing Director



KATHI SWARAN
Chief Executive Officer



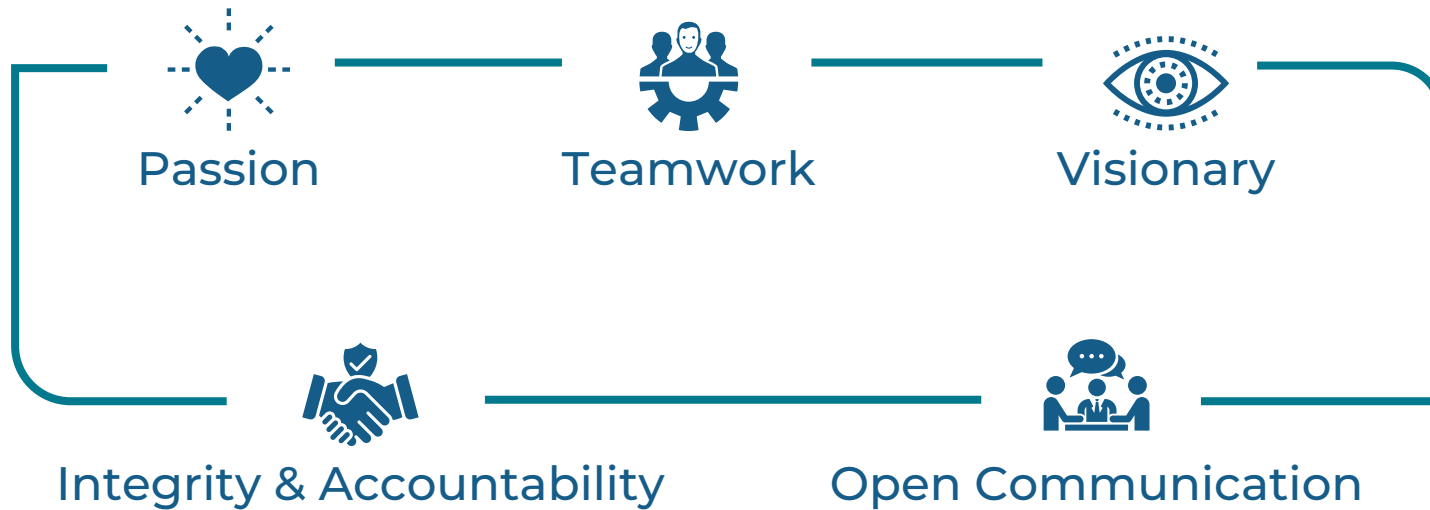
NAVIN KUMAR
Chief Operation Officer



ROZALI SIDEK
Chief Investment Officer



Our Core Values



Vision

To be a leading innovator in specialty chemicals, bio-fuel and alternative energy in Asia by 2030.

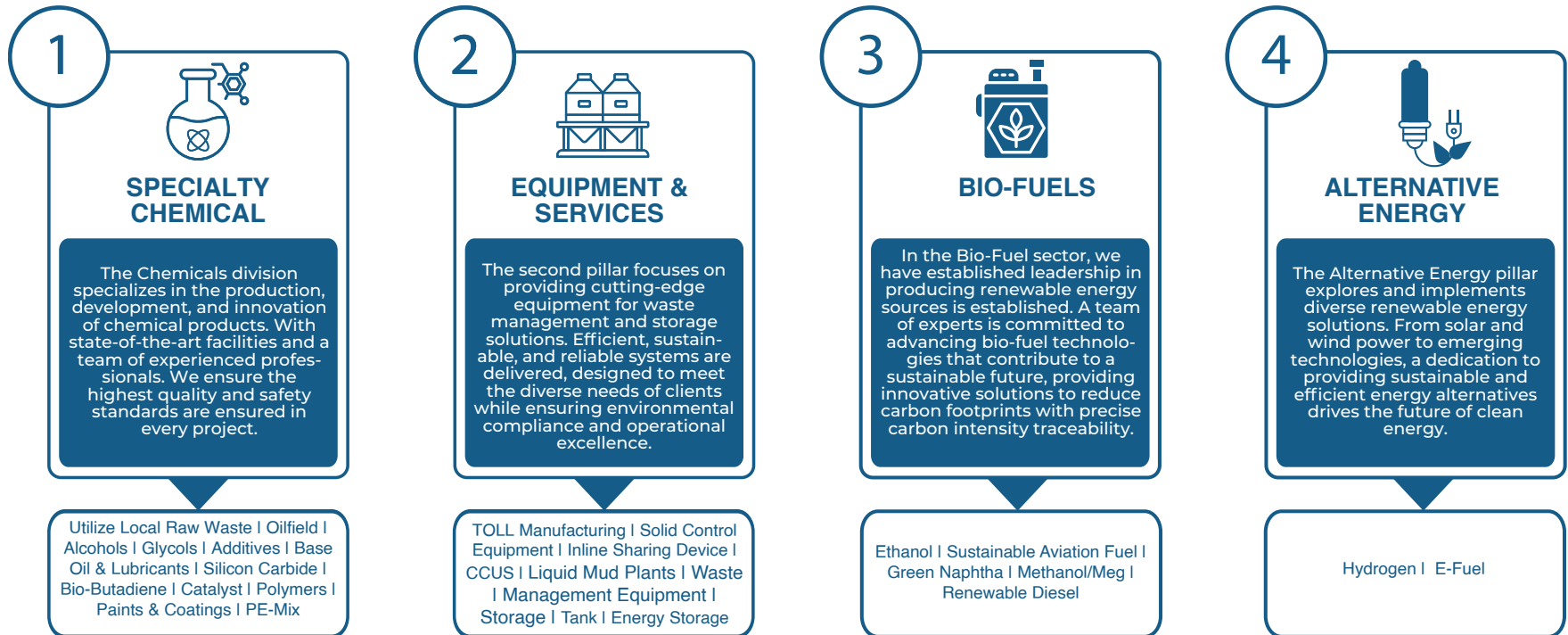
Mission

Barium Selat is dedicated to revolutionizing the chemical and energy industry through sustainable practice, utilizing waste as valuable feed stock to drive local innovation & manufacturing.



Our Business Pillars

At Barium Selat, we operate under a structured framework built on four key business pillars. Each pillar is staffed with experts dedicated to driving projects to success, fully equipped with all the necessary machinery, manpower, and resources. Our pillars are:



Subsidiaries



Environment, Social & Governance (ESG)

As part of our commitment to managing the business both ethically and responsibly, Barium Selat has been certified and is in full compliance with ISO 9001 and ISO 45001.





Environmental

01. Follow the highest environmental standards.
02. Reducing environmental impacts:
 - Low carbon footprint.
 - Use of local waste raw materials.
 - Low-energy processes.
 - Eco-labelling and OCNS compliance.
 - Recycling processes.
03. Audits to ensure environmental compliance and policies are in order.



Governance

01. Adhere to ethics and rules while conducting business.
02. Transparency:
 - Business ethics.
 - Compliance.
 - Shareholder democracy.
03. ISO 9001, ISO 45001 & ISO 14001 Certified.



Social

01. Safety and well-being of the workforce.
02. Supporting the industry:
 - Community engagement and heritage.
 - Diversity and equal opportunity.
 - Low-energy processes.
03. Supporting local communities through multiple development initiatives.

Risk of Negative Impact List

GHG EMISSION	LOW
AIR QUALITY	LOW
ENERGY MANAGEMENT	MEDIUM
WATER MANAGEMENT	MEDIUM
HAZARDOUS MATERIAL MANAGEMENT	MEDIUM
WASTE	MEDIUM

SPECIALTY CHEMICALS

Production Capability

At Barium Selat, we are proud of our advanced production capabilities across two strategic facilities in Malaysia.

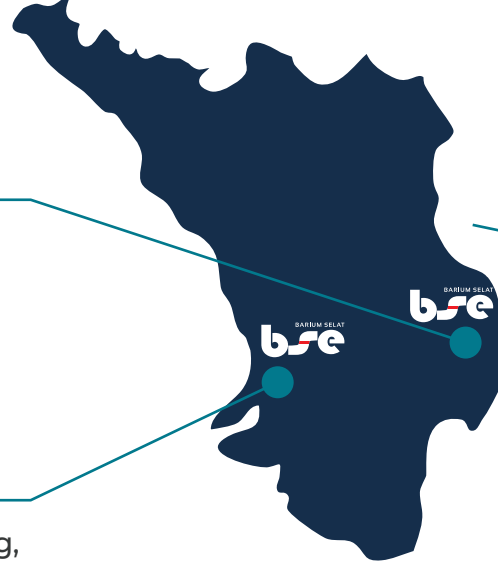
Semenyih Facility

Our 12,000 square feet state-of-the-art facility in Semenyih specializes in high-quality powder and liquid blending solutions with a production capacity of up to 6,000 metric tons per annum for powder blending and 10,000 metric tons per annum for liquid blending. We prioritize quality and sustainability, ensuring all products meet the highest industry standards.

Teluk Gong Facility

The larger 70,000 square feet facility in Teluk Gong, Port Klang, enhances our capacity for high-temperature synthesis and micro-sizing, ensuring we meet diverse customer needs.

Selangor, Malaysia



● **Micronizing**



● **Isomerization**



● **Hydrogenation**



● **Organophilic Clay**



● **Hastelloy Reactors**
Temperatures from:
-70°C to 350°C



● **Glass-lined Reactors**
Temperatures from:
-30°C to 250°C



Advanced Equipment

Equipped with state-of-the-art technology, including isomerization, hydrogenation, Hastelloy reactors, and polymerization, we maintain the highest standards of quality and safety.

With our comprehensive capabilities, Ova Chem is well positioned to meet the evolving demands of the market.

Technical Capability

Our technical capability is defined by our advanced analytical equipment, enabling us to test materials at the atomic level. Since 2019, we have invested over US\$2 million in state-of-the-art technology to enhance our research and development efforts.

Our team, led by highly trained chemists, excels in tailoring complex chemistry to meet our customers' specific requirements, ensuring both quality and cost competitiveness. We are committed to further enhancing our R&D capabilities, facilitating a seamless transition from laboratory development to large-scale production.



Expertise:



Formulating tailored complex chemistries



Research, development & scale up



High-quality consistent manufacturing



Rapid identification of synthesis routes



Process engineering



Quality assurance



Cost competitiveness



Strategic location in Southeast Asia

EQUIPMENT & SERVICES

Liquid Mud Plant Capability

We specialize in providing customized automation systems, materials and comprehensive liquid mud plant solutions with specific customer requirements.



Custom
Footprint Design



OBM, WBM,
BRINE & DKD Mud



Building Liquid Mud Plant,
Fixed Plant,
Rapid Deploy

Our Solution to Customer

1. Build & Lease to Own
2. Build, Operate & Lease to Own

Accomplished Projects

Songkhla, Thailand

Ranong, Thailand

Kemaman, Malaysia



Oilfield Equipment Rental

We design and build advanced equipment tailored for oilfield operations, including:

1. High-Speed Shearing Device:

- Enables faster, homogeneous mixing of large volumes of drilling fluids.
- Optimizes fluid properties to enhance performance and reduce downtime.

2. Modular Powder & Liquid Blending Equipment:

- Facilitates seamless remote blending.
- Easy to mobilize for dynamic job site needs.

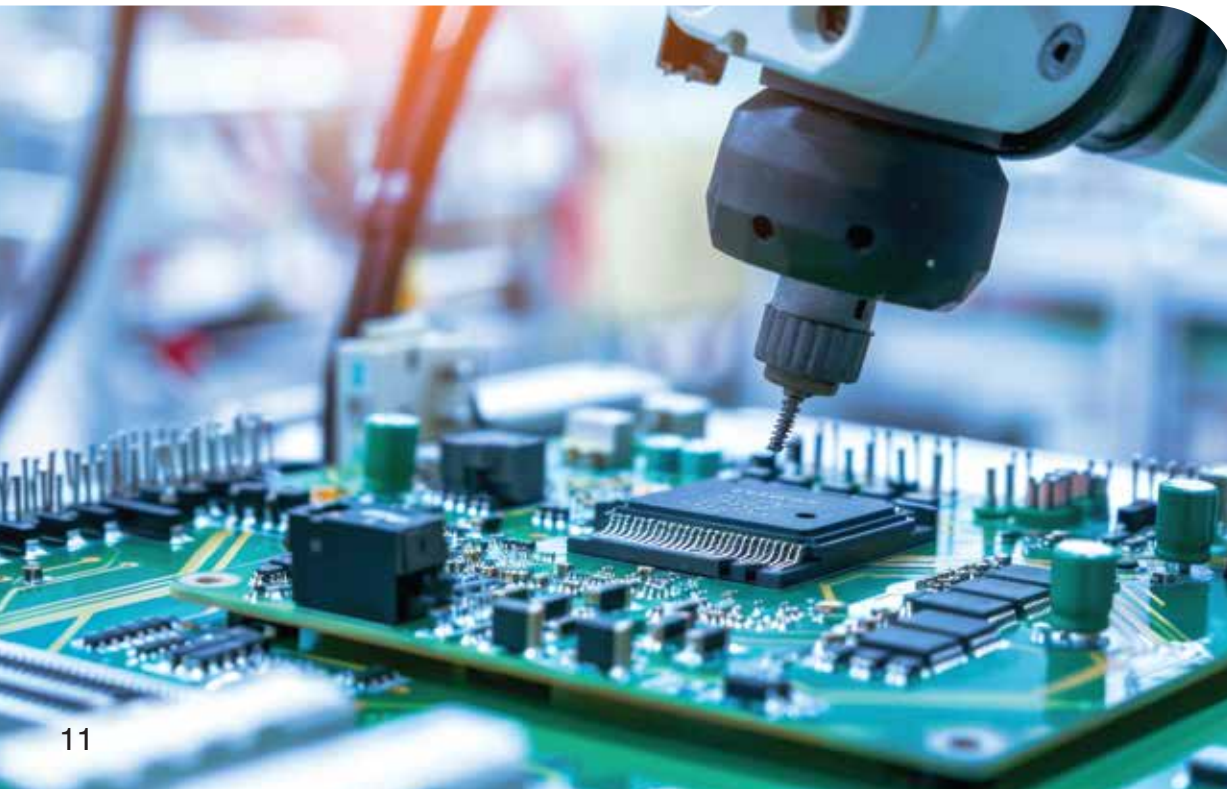
3. Rapid Deployment Liquid Mud Plant (RDLMP):

- Streamlines fluid management for quick preparation of liquid mud.
- Ensures quality and safety without delays.

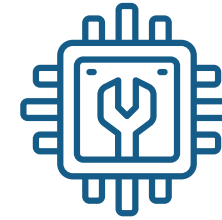
Semiconductor Services Capability

We also provide specialized support and services to the semiconductor industry. From process repairs to integrated system solutions, our offerings are designed to deliver innovative technology solutions that are both high in quality and cost-effective, tailored to meet the specific needs of each customer.

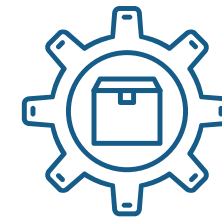
We are committed to driving innovation within the semiconductor industry by offering reliable, cutting-edge solutions that ensure smooth operations and efficiency. By continuously adapting to industry advancements, we remain dedicated to being a trusted partner in enabling the next generation of semiconductor technology.



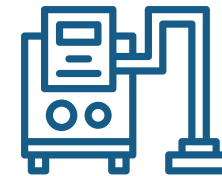
Expertise:



Equipment Refurbishment & Maintenance



Specialized Parts Sourcing



Advanced Precision Cleaning



Precision Fabrication

BIO-FUELS

As part of Barium Selat's commitment to sustainable innovation, one of our key business pillars focuses on the development of high-performance biofuels derived from local waste materials. Established to meet the growing demand for renewable energy, we have emerged as leaders in the bio-fuel sector, pushing boundaries to deliver innovative solutions that drive a greener, more sustainable future.

In line with the global shift towards clean energy, we are proud to introduce the Carbon Cycle Complex—the first of its kind in the Asia Pacific region. This groundbreaking facility is designed to reduce carbon footprints, harness clean energy, and promote environmental stewardship.



Carbon Cycle Complex

Phase 1A



SAF HEFA

Production of Sustainable Aviation Fuel (SAF) using Hydroprocessed Esters and Fatty Acids (HEFA)

Phase 1B



SAF ATJ

Production of Sustainable Aviation Fuel (SAF) using Alcohol to Jet (ATJ) waste problems

Phase 2



Bio-Ethanol

Biomass to Bio-Ethanol Solution to Malaysia's agricultural biomass

Phase 3



R&D Centre

Research and Development Centre Malaysia's first green technology R&D hub, collaborating with universities

Phase 4



Bio-Butadiene

Converting alcohol into Bio-Butadiene with Carbon Negative Technology

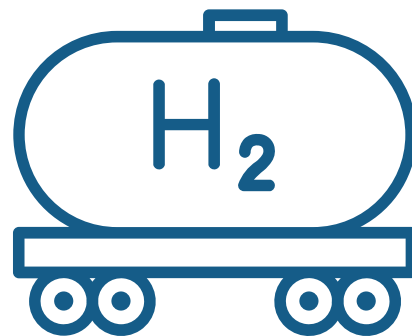
ALTERNATIVE ENERGY

Barium Selat is dedicated to a forward-thinking approach in energy solutions through our Alternative Energy pillar, which aims to develop next-generation clean energy technologies. We strive to become a leader in hydrogen and e-fuel production by 2030, playing a crucial role in the global shift toward sustainable, zero-carbon energy sources.

Hydrogen and e-fuels are vital for the future, providing innovative ways to decarbonize various industries and transportation. By investing in advanced research and technology, we aim to lead this change, reducing our dependence on fossil fuels while promoting a cleaner, more sustainable planet. Our commitment to alternative energy is about more than just innovation; it's about creating a greener future for everyone.



E-FUEL



HYDROGEN



Values to Our Customers

- 01** Contract manufacturing using proprietary technology such as micronizing, blending & repackaging that reduces CAPEX requirement from customers.
- 02** Development of products through in-house formulation & complex chemical engineering with assurance of IP protection.
- 03** Centralization of production & supply chain activities for SEA and Australasia.
- 04** Manufacturing facilities are strategically located near the port to support Middle East, Asia Pacific region and Australasia.
- 05** Experienced chemists with state-of-the-art laboratory equipment.
- 06** Strategic partners to supply raw materials in close proximity.
- 07** Regulatory compliance with sustainable practices, capable of developing products to meet Eco-labelling, global & OCNS environmental standards.
- 08** Cost, process & lead time optimization.



Contact Us

Headquarters

B-02-01 / A-02-12,
Tamarind Square (Persiaran Multimedia),
63000, Cyberjaya, Selangor, Malaysia



Factory

2A, Jalan Semenyih Integrated 1,
Integrated Industry Park, 43500
Semenyih, Selangor, Malaysia



Laboratory

6-1, Jalan Tasik Utama 7,
Medan Niaga Tasik Damai, Sungai Besi,
57000 Kuala Lumpur, Malaysia



hello@bariumselat.com



+603 9054 1203





BARIUM SELAT
always in start-up mode