



شركة ميثانول بروني مستديرين بروجيد  
BMC  
BRUNEI METHANOL  
Brunei Methanol Company Sdn. Bhd.

**BMC**  
BRUNEI METHANOL

# LET'S CONNECT WITH US

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**SUNGAI LIANG INDUSTRIAL PARK (SPARK), KG. SUNGAI LIANG,  
DAERAH BELAIT KC1135, BRUNEI DARUSSALAM**



[www.brunei-methanol.com](http://www.brunei-methanol.com)



[bruneimethanol\\_company](https://www.instagram.com/bruneimethanol_company)



[Brunei Methanol Company](https://www.linkedin.com/company/brunei-methanol-company)

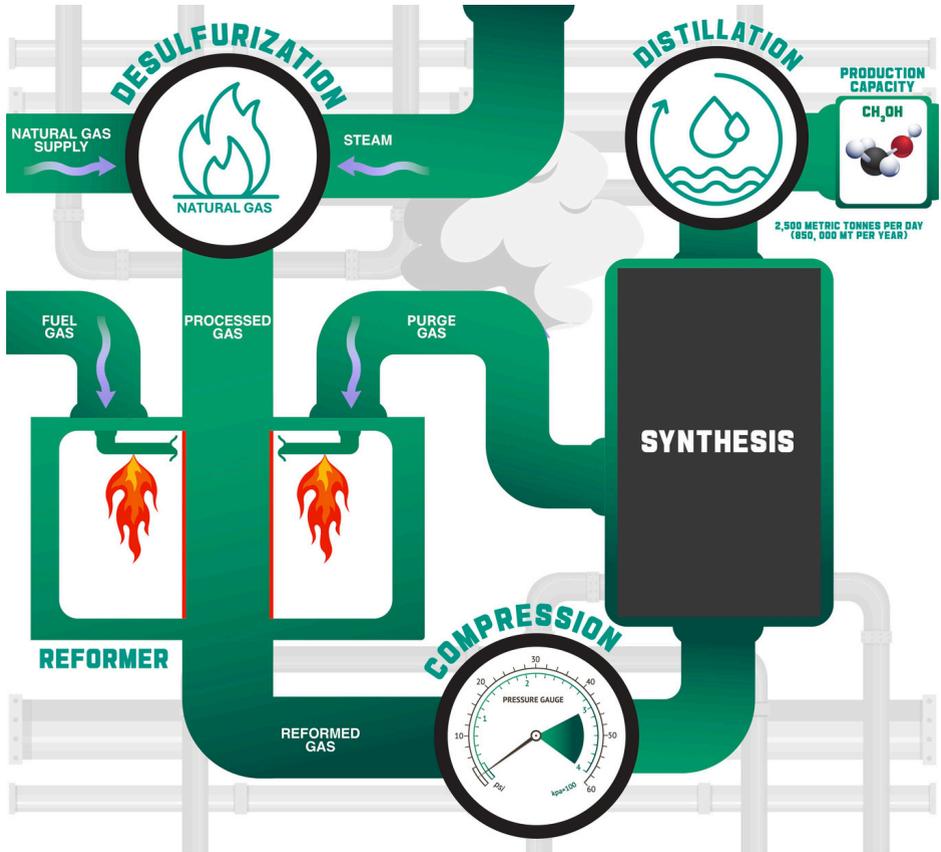


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# Methanol Production Process



# Our Location





## **Brunei's First World-Class Petrochemical Plant**

BMC proudly stands as Brunei's first world-class petrochemical plant, launched in 2010.



## **A landmark Japan-Brunei Partnership**

A landmark joint venture between Japan's Mitsubishi Gas Chemical Company, Inc., Japanese trading house ITOCHU Corporation and Mirkhas Sdn Bhd.



## **One of Brunei's Largest Foreign Investments**

BMC represents one of the largest foreign direct investments in Brunei's history, showcasing global confidence in the nation.



## **Regional Powerhouse in Methanol Production**

At an annual capacity of 850,000 tonnes, BMC is a regional powerhouse in methanol production.



## **Supplying Key Global Markets**

Our Grade AA methanol reaches key global markets, including Japan, China and Southeast Asia.



## **Driving Wawasan 2035 Forward**

BMC is a cornerstone of Brunei's Wawasan 2035, driving diversification beyond oil and gas.



## **Building Talent and Bridging Expertise**

We take pride in nurturing homegrown talent alongside international expertise.



## **A Proud Bruneian Success Story**

BMC is a proud national success story, putting Brunei on the global petrochemical map.

# Plant Specification



## Production Technology

Mitsubishi Methanol Process  
(Jointly owned by Mitsubishi Gas  
Chemical Company, Inc. and  
Mitsubishi Heavy Industries, Ltd.)



## Methanol Synthesis Catalyst Licensor

Mitsubishi Gas Chemical Company, Inc.



## Production Quality

Meets and exceeds all minimum  
requirements of methanol of the  
highest quality



## Production Capacity

2,500 metric tonnes per day (850,000 MT per year)



## Power Consumption

6.9MW during normal operation



## Total Storage Capacity

78,000 metric tonnes



## Water Consumption

8,000 metric tonnes per day



## Emissions

Meets World Bank Guidelines, and in compliance  
with Brunei Darussalam's Environmental  
Protection and Management Act (CAP. 240),  
Pollution Control Guidelines and Environmental  
Impact Assessment Guidelines

# Product Information

**Chemical Formula**  $\text{CH}_3\text{OH}$  (abbreviated MeOH)

## Description

Methanol is a clear, colourless liquid that is soluble  
in water and biodegradable, comprising of  
hydrogen, oxygen and a single carbon atom.

Methanol has the highest hydrogen-to-carbon  
ratio of any liquid fuel.

## Applications

- Chemical Feedstock - Formaldehyde, Acetic Acid, Biodiesels, Olefins
- Fuel & Fuel Additive - Vehicles, Ships, Cooking, Heating
- Hydrogen Carrier for Methanol Fuel Cells
- Windscreen Washer Fluid
- Wastewater Denitrification



# Our Methanol Specification

NO.	PARAMETERS	UNIT	METHODS*	SPECIFICATION
1	Appearance		IMPCA 003	Clear and free from suspended matter
2	Purity on dry basis	%W/W	IMPCA 001	Min 99.85
3	Acetone	mg/kg	IMPCA 001	Max 30
4	Ethanol	mg/kg	IMPCA 001	Max 50
4.1	Ethanol <span style="float: right;">Note 1</span>	ppm	ASTM E 346	Max 10
5	Colour	Pt-Co	ASTM D 1209	Max 5
6	Water	%W/W	ASTM E 1064	Max 0.100
6.1	Water <span style="float: right;">Note 1</span>	% wt	ASTM E 203	Max 0.05
7	Distillation range at 760mm Hg	°C	ASTM D1078	Max 1.0
8	Specific Gravity		ASTM D 4052	0.7910-0.7930
9	Potassium Permanganate Time Test 15°C	minutes	ASTM D 1363	Min 60
10	Chloride as CL-	mg/kg	IMPCA 002	Max 0.5
11	Sulfur	mg/kg	ASTM D 5453	Max 0.5
12	Water Miscibility		ASTM D 1722	Pass test
13	Carbonizables	Pt-Co	ASTM E 346 (2024)	Max 30
14	Acidity as Acetic Acid	mg/kg	ASTM D 1613	Max 30
15	Iron in Solution	mg/kg	ASTM E 394	Max 0.10
16	Non-Volatile Matter	mh/1000ml	ASTM D 1353	Max 8
17	Odor <span style="float: right;">Note 2</span>		ASTM D 1296	Characteristic, non-residual
18	Alkalinity <span style="float: right;">Note 2</span>		ASTM D 1614	-

*Note 1: Federal AA test method and specification shall apply for discharging port in Japan, whereby the numbers specified in the corresponding test method shall mean the paragraph numbers in accordance with the Federal Specification Methanol O-M-232K dated 14 October 1998 (as and where applicable).*

*Note 2: Additional analysis to be performed.*

\*From time-to-time BMC may introduce other applicable standards as agreed by all offtakers.

# Uses of Methanol

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## In Our Daily Lives

01



### Living Room

- Rigid Foam Door Insulation
- Polyester Carpet
- Urethane Foam

### Toilet/ Bathroom

- Aerosols
- Disinfectants
- Fragrances
- Solvents

### Others

- Clothing
- Fertilizer
- Fiberglass Insulation Binder
- Silicone Sealants

### Kitchen

- Plastic Bottles
- Decorative Laminates

### Bedroom

- Polyurethane
- Mattress Foam
- Carpeting

## Automotive Manufacturing

02



- Clean fuels
- Paints
- Polyester Carpet and Fabric
- Thermoset Bumper and Energy Absorber
- Light Lens
- Tyre Core Adhesives
- Body Panels
- MDF/ MDI Door Panels
- Safety Glass Laminate
- Polyurethane Dashboard Foam
- Acetyl Thermoplastics: Gears, Pumps, Mouldings, Compounds, Distributer Caps, Fuses

## Medical Equipment

03



- Gloves
- Masks
- Medical Gowns
- Hood Cap
- Apron
- Pharmaceutical drugs
- Disinfectants

04



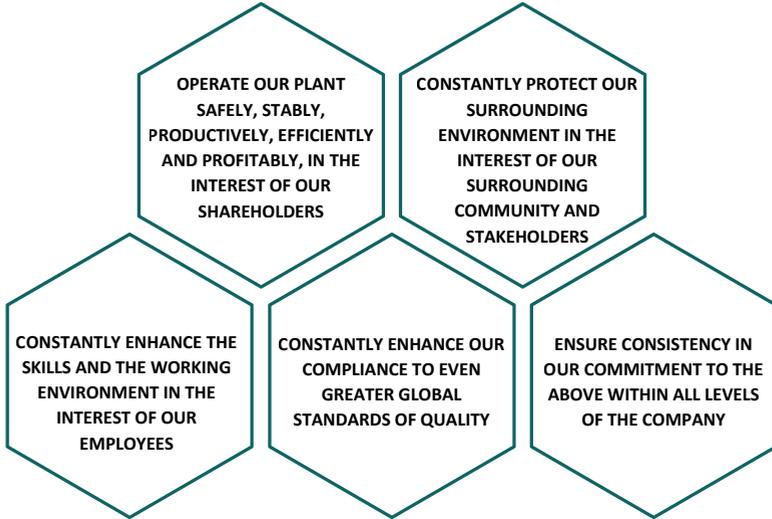
## Others

- Fuels in Ships and Cars
- Boilers
- Cook Stoves

# Our Vision and Mission

## TO BE A WORLD CLASS METHANOL SUPPLIER OF CHOICE

*Providing core chemicals for variety of solutions for today and tomorrow*



## Core Values (4P's Philosophy)



### PEOPLE

- Safety our priority
- Health and wellbeing
- Invest in people capability
- Professionalism



### PROCEDURE

- Comprehensive procedures
- Effective communication
- Be internationally accredited
- Adherence to international best practice



### PLANT

- Safety and integrity
- Stability
- Productivity
- Efficiency



### PUBLIC

To consider the impact of our business decisions particularly in the areas of community, environment and socio-economic development

# Our Business Plan

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## STRATEGIC PRIORITIES



**GOVERNANCE**



**EFFICIENCY**



**FINANCIAL  
GROWTH**

## STRATEGIC RESULTS

We want to practise complete accountability, transparency, responsiveness, empowering and encourage participation from all levels

We want to do things right in a cost-effective and timely manner to achieve the best result/outcome

We want to continuously improve our financial standing to support any present and/or future business requirements

## STRATEGIC THEMES



**SAFETY**



**FINANCIAL**



**SHAREHOLDER'S  
RETURN**



**INTERNAL  
PROCESS**



**ORGANISATIONAL  
CAPACITY**

# Greenhouse Gas (GHG) Emission Commitment



We are committed to sustainable practices and environmental responsibility, continuously striving to reduce our greenhouse gas emissions.

We align our goals with the Brunei National Climate Change Policy and Wawasan 2035, pursuing climate resilience and a greener future.



## SUSTAINABLE USE OF RESOURCES

## INVESTING IN LOW-CARBON SOLUTIONS WHERE FEASIBLE



## MINIMISING THE ENVIRONMENTAL IMPACT OF OUR ACTIVITIES

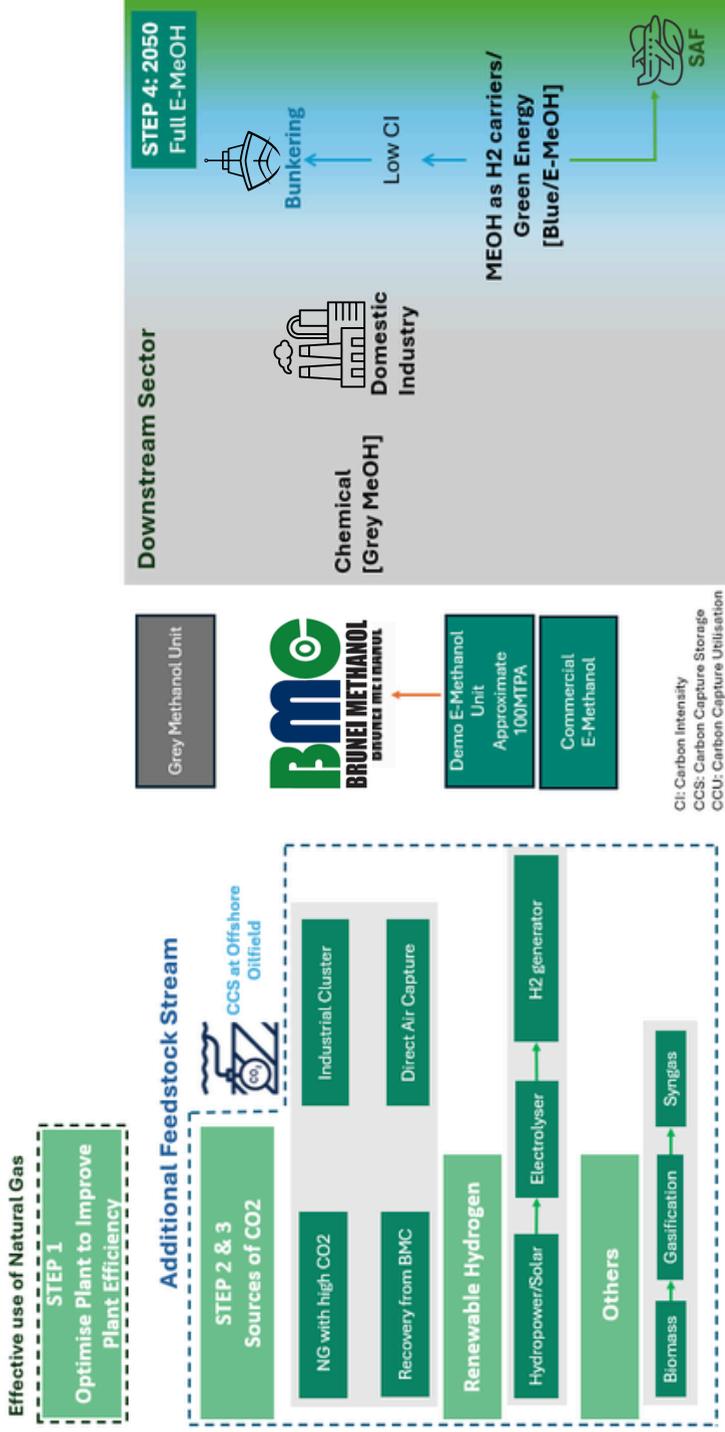
## PROMOTING A CULTURE THAT CHAMPIONS THE EFFICIENT AND RESPONSIBLE UTILISATION OF ENERGY AND NATURAL RESOURCES



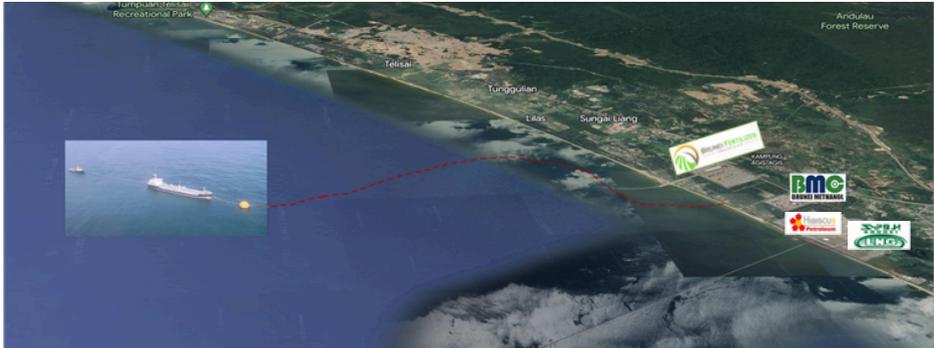
## FOSTERING INFORMATION SHARING AND PROVIDING TRAINING TO INSTILL THIS CULTURAL ETHOS AMONG OUR STAKEHOLDERS

# Potential Decarbonisation Pathway and Network of Opportunities

A range of circular-carbon methanol pathways can reduce emissions and enhance value while enabling entry into hydrogen-carrier and blue/green energy markets.



# Delivery Facilities



## METHANOL EXPORT FACILITY (OFFSHORE)



BMC's Single Point Mooring (SPM) facility serves as a pivotal hub for exporting methanol, ensuring seamless cargo transfer operations. Our SPM is designed to cater to vessels of varying sizes, boasting the capability to accommodate vessels with a Deadweight Tonnage (DWT) of up to 46,000 DWT, with a minimum accepted vessel size of 5,000 DWT. Spanning roughly 14 km offshore, our facility is equipped to handle large volumes of methanol efficiently. With a design flowrate of 1,000 MT/HR at maximum capacity and 300 MT/HR at minimum, this guarantees optimal performance.

## DOMESTIC LOADING FACILITY (ONSHORE)



Commissioned on 29 November 2023, BMC's Domestic Loading Facility enables the supply of methanol to the domestic market with efficiency and precision. Designed for safe loading operations using ISO tanks (i.e. specialised containers that are built to meet the International Organisation for Standardisation (ISO) standards), the facility strengthens BMC's logistics capabilities and ensures a dependable supply network for local methanol distribution.

# Supply Destinations

## NORTHEAST ASIA



## SOUTHEAST ASIA



**27 April 2010**

First drop of Methanol

**12 May 2010**

First international shipment of Methanol (Korea)

**17 July 2010**

First Methanol shipment to Japan (Mitsui & Co. Ltd) from Shimizu Port

**1 January 2023**

Commencement of new Methanol Offtake Scheme

**27 March 2024**

First Onshore Product Loading for the Domestic Market



# Working Philosophy

## HŌ-REN-SŌ (報・連・相)

Adopting HORENSO in our business culture has ensured smooth communication and protection of our plant assets. It encourages teamwork and maximises performance while minimising the risk.

### 報告

Hōkoku  
(Report)

Regular updates on tasks and progress ensure clarity and alignment, reinforced through daily huddles and weekly cascades company-wide.

### 連絡

Renraku  
(Contact)

Open and timely information sharing across all levels ensures alignment, transparency, and effective coordination company-wide.

### 相談

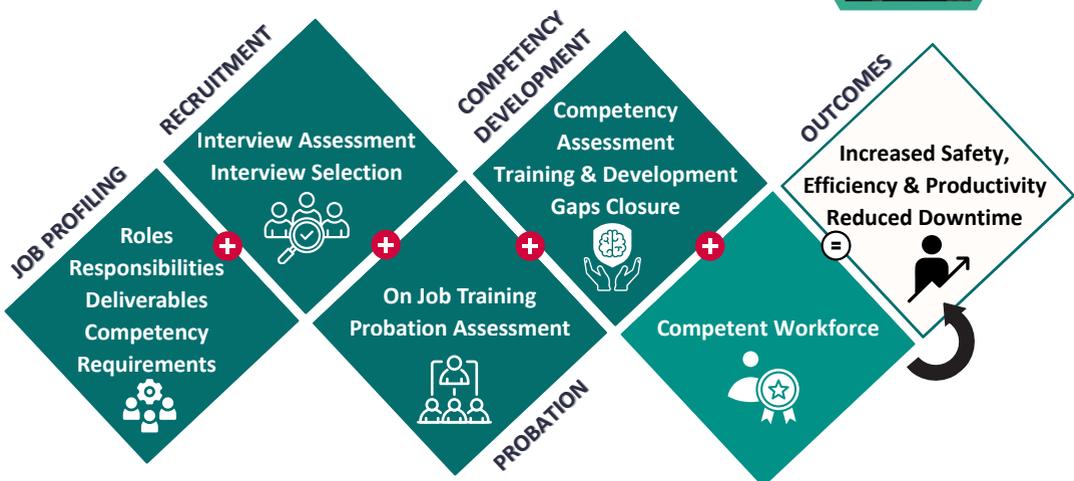
Sōdan  
(Consult)

Seeking guidance before decisions ensures thoughtful, aligned actions, with issues promptly shared for collaborative and effective resolution.



## Commitment to Training

We are committed to providing training to employees based on business needs and the individual's competency gap analysis.



This outlines the controls and measures set at every stage in ensuring BMC's workforce competency.

# Corporate Social Responsibility Focus Area

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## RESPONSIBILITY

BMC as a responsible business giving back to the society



## ENVIRONMENT

Supporting sustainable development and commitment to the environment



## STUDENT AND YOUTH

Education and awareness, including youth development for future talents



## PHILANTHROPY

Donations and empowerment for the underprivileged and NGOs



## ECONOMY AND ENTREPRENEURSHIP

Development and support for socio economic development



## COMMUNITY AND CULTURE

Good relationship and understanding of community and culture



## TALENT AND TECHNOLOGY

Methanol use, arts, human capital development and innovation

## IMPROVING QUALITY EDUCATION THROUGH STRENGTHENING INFRASTRUCTURE ACCESSIBILITY AND A SYSTEMATIC EDUCATIONAL SYSTEM

Strengthen accessibility through the provision of quality infrastructure and the provision of a systematic educational system, which can contribute to the productivity and efficiency of educational institutions.



## GENERATING A WORKFORCE ALIGNED WITH INDUSTRY NEEDS

Promote relevant, innovative, productive, and skilled people that are required by the industry, as well as to reduce the number of unemployment.

## CONTRIBUTING TOWARDS SUSTAINABLE ENVIRONMENT IN ADDRESSING CLIMATE CHANGE

Reduce carbon footprints and greenhouse gas (GHG) emissions, as well as marine protected areas (MPAs), in maintaining environmental sustainability.



## STRENGTHENING NATIONAL SECURITY AND SUSTAINABLE WELFARE OF THE PEOPLE

Emphasise sovereignty and national stability, as well as prioritising the well-being and welfare of people.

## INCREASING THE CONTRIBUTION OF THE NON-OIL AND GAS SECTOR TO THE ECONOMY

Accelerate efforts in increasing the contribution of the non-oil and gas sector towards a sustainable economic growth.



## STRENGTHENING THE GOVERNMENT'S MANAGEMENT FOR AN EFFICIENT AND CONDUCIVE GOVERNANCE

Strengthen and improve the public service management system to be more organised and efficient.





## About Us

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Brunei Methanol Company Sdn Bhd (BMC) was incorporated under the Companies Act (CAP. 39) on 13 March 2006 as a private limited company, and began our commercial operations in July 2010. The establishment of BMC as the national pioneer petrochemical facility marks the start of Brunei Darussalam's sector aimed at creating added value with the rich natural resources of Brunei.

We are jointly owned by Japan's Mitsubishi Gas Chemical Company, Inc., Japanese trading house ITOCHU Corporation and Mirkhas Sdn Bhd, a company incorporated under the purview of the Strategic Development Capital Fund, a trust sub-fund of the Government of Brunei Darussalam.

Our facility which is situated on a 16-hectare site at the Sungai Liang Industrial Park has a daily capacity to produce up to 2,500 metric tonnes of methanol which is converted from natural gas.

Methanol has a huge demand in Asia for its use in multitude of ways to produce value-added products, and Brunei's location gives BMC the strategic advantage to supply methanol to these countries. BMC will remain committed to realising its vision to become the methanol supplier of choice, which will in turn create opportunities to the people and contribute to the economy growth of the sultanate.



Shareholders:



STRATEGIC DEVELOPMENT  
CAPITAL FUND  
MINISTRY OF FINANCE AND ECONOMY  
BRUNEI DARUSSALAM

