

## KONSULTANT PROSES SDN BHD



OPTIMISTIC

INNOVATIVE

SUSTAINABLE

ACTION-ORIENTED

EXCELLENCE

*Innovating New Directions ...*



*...DELIVERING EXPERTISE  
THROUGH DIVERSITY*

# ABOUT US



Konsultant Proses Sdn Bhd., commonly known as **KONPRO**, is a leading multidisciplinary engineering consultancy that offers a broad scope of consulting services to a wide spectrum of clientele. The consultancy spanning over 40 years has enabled the organization to build an impressive track record of completed projects in Malaysia and overseas.

The firm is sought after for its expertise and specialisation in the field of agro-based process engineering and renewable energy, particularly for the palm oil and rubber industry. In recent years, the firm has established international and regional networking with leading engineering consultancies and technology providers for new technologies and innovative solutions to design state-of-the-art plants. The firm has successfully implemented a number of such manufacturing facilities in the Asia Pacific region, Africa and South America. Some of these projects were undertaken under the auspices of international agencies such as the World Bank, Asian Development Bank, UNDP and the Commonwealth Development Corporation.

In the other key areas of operation, the firm has successfully completed a wide range of projects involving institutional and residential development; infrastructure works; industrial and commercial complexes; environmental and wastewater treatment ; and renewable energy for the public and private sectors.

**KONPRO** is fully committed to meet the challenges of the future to provide its clients only the best.



# THE KONPRO GROUP

Konsultant Proses Sdn Bhd, is part of a diversified and integrated engineering based Group of Companies, with experience and expertise to undertake and execute major engineering projects involving project management and consultancy for agro-based process plants; chemical and industrial complexes; infrastructure and property development; environmental and renewable energy, both locally and overseas.

## COMPANIES WITHIN THE GROUP :

- Konsultant Proses Holdings Sdn Bhd
- Konsultant Proses Sdn Bhd
- Konsultant Proses (Overseas) Sdn Bhd
- Konpro Renewables Sdn Bhd
- Konpro Energy Sdn Bhd

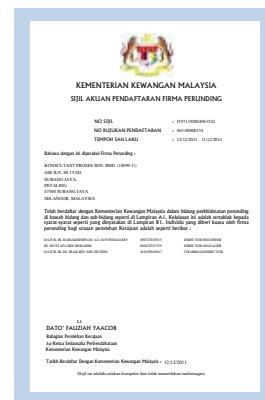


# PROFESSIONAL REGISTRATIONS AND ACCREDITATION

Konsultant Proses is registered with the following national and international agencies as Consulting Engineers and Project Managers.

## MALAYSIAN AGENCIES

- Jabatan Perdana Menteri (Prime Minister's Department)
- Kementerian Kewangan (Ministry Of Finance / Treasury)
- Kementerian Pendidikan Malaysia (Ministry of Education)
- Jabatan Kerja Raya (Public Works Department)
- Jabatan Alam Sekitar (Department of Environment)
- Perbadanan Air Pulau Pinang dan Melaka
- SYABAS - Syarikat Bekalan Air Selangor
- Perbadanan Kemajuan Negeri (SEDC)
- Petronas (National Petroleum Board)
- Dewan Bandaraya Kuala Lumpur (KL City Hall)



## INTERNATIONAL AGENCIES

- IBRD : International Bank for Reconstruction and Development (World Bank)
- ADB : Asian Development Bank
- UNDP : United Nations Development Programme
- JICA : Japan International Corporation Agency
- CDC : Commonwealth Development Corporation

## REGULATORY BODIES

- Board of Engineers, Malaysia
- National Water Services Commission (SPAN)



Asian Development Bank  
FIGHTING POVERTY IN ASIA AND THE PACIFIC



# ACCREDITATION

KONPRO's stringent quality management system and standards has earned itself the prestigious ISO 9001:2008 (BS EN ISO 9001:2008) certification from the Department of Standards Malaysia (DSM) and the United Kingdom Accreditation Service (UKAS).



# AFFILIATION

KONPRO and its Group of Companies have forged strategic alliances and affiliations with international specialist organizations, research bodies and consulting firms to provide a wide range of consultancy, particularly in the field of green technology and renewable energy.



# OUR VALUES

At KONPRO, we stand for the following values which guide us through in all our dealings with our clients.

## Transparent

We operate with complete transparency in regard to our discharge of professional duties at all times.



## Thorough

Our advice and commitment to our clients are of paramount importance.

## Collaborative

We work with our clients to achieve efficient and cost-effective goals.



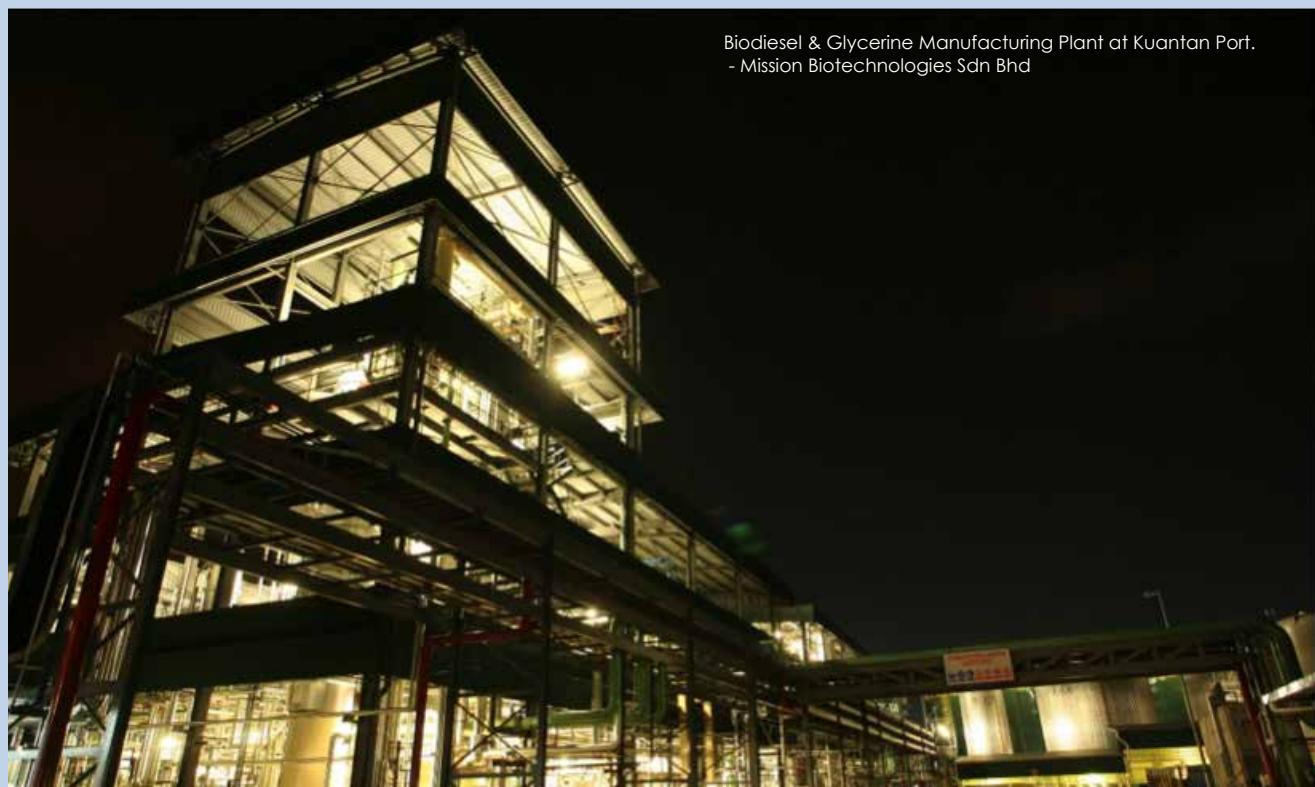
## Action-Oriented

We provide quick turnaround times and deliveries and adhere to the principle of being customer-centric.



# KEY AREAS OF EXPERTISE

- ▶ **Agro-based Industrial Engineering**
  - ▶ Material Handling and Bulking Installations
- ▶ **Civil and Infrastructure Development**
  - ▶ Structural Engineering
  - ▶ Mechanical Engineering
  - ▶ Electrical Engineering
- ▶ **Process Control and Instrumentation**
- ▶ **Environmental and Pollution Control**
- ▶ **Renewable Energy**



Biodiesel & Glycerine Manufacturing Plant at Kuantan Port.  
- Mission Biotechnologies Sdn Bhd

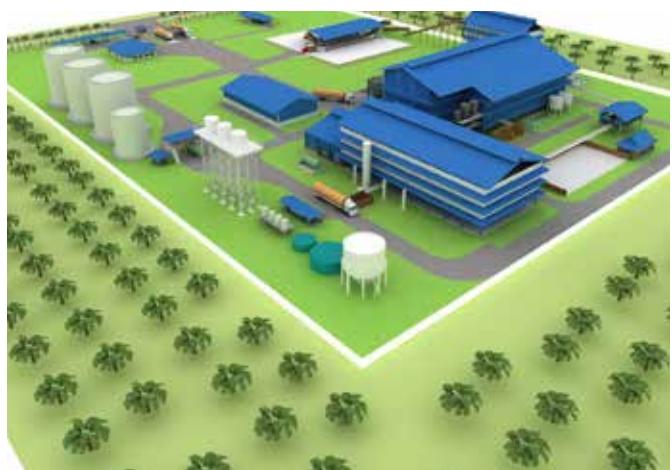
# SCOPE OF SERVICES OFFERED

KONPRO as a multi-disciplinary consulting firm offers the full spectrum of engineering services in the field of civil, structural, mechanical, electrical, process and environmental engineering from project initiation to completion. In project management, the firm is fully committed to ensure that all projects are completed in the shortest possible time using our expertise and networking to fast-track project delivery. It places great emphasis on safety, quality and budget for all projects managed by the firm.

- **Project Management**
- **Contract Administration**
- **Preliminary Technical Investigations**
- **Preliminary Engineering Design**
- **Detail Engineering Design**
- **Cost Estimates**
- **Preparation of Tender & Bid Documents**
- **Tender Exercise & Evaluation**
- **Construction Supervision**
- **Testing & Commissioning of Plants**
- **Feasibility Studies**
- **Financial Reports**
- **Project Planning**
- **Plant Inspection & Technical Audit**
- **Pre-bid Design & Supervision of Turnkey Projects**
- **Environmental Studies**



# AGRO-BASED INDUSTRIAL ENGINEERING



KONPRO is a leading international consultancy in the field of tree crop and seed processing. It has achieved international recognition for the design of state-of-the-art manufacturing plants. Since KONPRO's inception, it has an impressive track record of over 150 successfully completed and operational plants worldwide. Most of these plants are palm oil mills, rubber factories, coconut and copra mills, kernel crushing plants, refineries and oleo-chemical manufacturing plants.

In all cases, Konpro provided comprehensive solutions in civil, structural, mechanical, process, electrical and environmental engineering. Its scope of services included the establishment of the manufacturing complexes and the waste treatment facilities operating under stringent conditions to meet local regulatory requirements and international standards.

KONPRO's professional role has also extended to the preparation of feasibility studies, financial reports, training of key personnel and visiting the Clients engineering services. Its senior engineers have on many occasions taken up assignments as Technical Advisors to international agencies and as members of fact finding missions to foreign countries, particularly relating to oil palm and rubber.



KONPRO was also involved in the training of key personnel and conducting workshop sessions in palm oil and rubber processing for foreign participants under the auspices of UNDP and the World Bank. To carry out the project, KONPRO worked with industry experts from PORIM, RRIM and the Guthrie Group .

Currently, KONPRO is engaged in the establishment of waste utilisation and energy generation plants for its many clients.

KONPRO continues to offer its expertise to the industry worldwide. It has clients in Malaysia, Indonesia, Thailand, Myanmar, Laos, Cambodia, Vietnam, Papua New Guinea, Western Samoa, Fiji, India, Africa and South America.



# AGRO-BASED INDUSTRIAL ENGINEERING

## Palm Oil Milling & Processing

KONPRO's has extensive experience in the design and development of palm oil mills of wide ranging capacities and operations. KONPRO is an acknowledged subject matter expert as it has been appointed to be consultants to over 100 still operational palm oil mill projects throughout the world. KONPRO has an added advantage of having key personnel who have had actual experience in operating oil palm mills either as Managers or Engineers and hence knows the best design for complete operational efficiency.

Some of the projects completed in the recent times are:

- Ministry of Agriculture, Indonesia under the auspices of Asian Development Bank
- United Nations Development Programme (UNDP)
- United Plantations Group, Malaysia
- MAC Group, Andra Pradesh, India
- OPIL Group, Kerala, India
- Sabah Softwoods Sdn Bhd – Ladang Kapilit CPO mill, Sabah.



# AGRO-BASED INDUSTRIAL ENGINEERING

## Palm Oil Refining & Oleo-Chemical Manufacturing

KONPRO has the expertise to be involved in the establishment of down-stream processing facilities associated with refining and oleo-chemical manufacturing facilities for its local and international clients. It has the capability to design and undertake such projects in close association with technology providers and world class equipment manufacturers.



# AGRO-BASED INDUSTRIAL ENGINEERING

## Palm Kernel & Copra Processing

KONPRO has been involved in the development of palm kernel and copra processing plants for its clients in Malaysia and overseas since the early 1980's. In 1981, it was involved in the design and commissioning of the first copra processing complex in Apia for the Government of Western Samoa financed by the Asian Development Bank. Since then the firm has been engaged by various plantation groups for the construction and upgrading of their processing plants in Indonesia, Philippines, Pacific Islands of Fiji and Vanavatu and India.

The firm continues to advise and offer its services to its network of clients in Malaysia and the oil palm growing nations worldwide on the design of palm kernel extraction plants incorporating the latest techniques in process control and recovery.



# AGRO-BASED INDUSTRIAL ENGINEERING

## Rubber Processing

In rubber processing, KONPRO has been actively involved in the design and development of rubber factories for the production of latex concentrate, crumb rubber, pre-vulcanised and speciality rubbers for the local plantation industry and foreign clients. KONPRO was also involved in the design and construction of RSS and ADS rubber factories for RISDA in their rubber growing schemes nationwide.

Some of its major clients include:

- Ministry of Agriculture, Indonesia under the auspices of World Bank
- Rubber Research Institute of Malaysia (RRIM)
- RISDA, Malaysia
- Revertex Group (UK, Malaysia and Indonesia)



# PROPERTY DEVELOPMENT AND URBAN PLANNING

At KONPRO we use our engineering expertise to continue to work with the changing aspirations of developers, owners and governments to have projects that are design, technical and commercially effective. For most of the projects undertaken by the firm, we provided the civil, structural, mechanical and electrical engineering consulting services. The scope of services involved the preparation of design, authority approval, supervision of construction and certification. In some cases, the scope extended to preparation of feasibility studies and contract administration. Projects handled and managed included:

- Residential and housing estates
- Industrial complexes
- Schools and colleges
- Sports facilities and auditorium
- Office complexes
- Mosques and suraus



# INFRASTRUCTURE DEVELOPMENT WORKS

KONPRO has been providing engineering services for the development of major greenfield and urban infrastructure projects from the planning stage to final completion and delivery, within allocated timeline and budgets.

KONPRO has been able to advise and carry out major infrastructure works related to earthworks, slope protection and remedial work, design of rural roads, bridges, sewerage systems, water supply, reservoirs, wharves and jetties by utilizing our in-house expertise and in association with associated specialists.



# LIQUID BULKING INSTALLATION AND TERMINALS

KONPRO has extensive experience in the design and commissioning of multi-product bulking installations, storage facilities and product handling terminals for local and multinational clients. It has been involved in the preparation of feasibility studies and had provided complete project management and consulting engineering services for the projects undertaken.

KONPRO has the capability and expertise to plan such installations to suit the specific needs of its clients.



# ENVIRONMENTAL ENGINEERING

KONPRO's long association with the agro-based industry has placed the organisation in the fore-front to develop and provide sustainable solutions to the environmental issues and waste treatment affecting the plantation processing sector. Its waste treatment and pollution control systems, nurtured and developed over the years is now almost an industry standard. The firm continues to develop on its own or in association with other specialists find new solutions to mitigate environmental impact issues and promote economically viable solutions for the agro-based industry.

KONPRO was engaged by the Government of Indonesia under the auspices of the World Bank to carry out a nationwide environmental study affecting the oil palm and rubber industry and to propose new technologies to mitigate the issues and as an extension to promulgate environmental policy for the industries in Indonesia. KONPRO is consulted regularly by the oil palm growing nations on pollution abatement and solution.

KONPRO is also actively involved in the development of technologies to use palm waste as a fertilizer and renewable energy source.

KONPRO is now consulted by other industries to design their waste water treatment facilities to meet their operating requirements and complying with stringent environmental standards. It is also involved in developing corporate environmental programmes, conducting due diligence and environmental audits for its clients.



# RENEWABLE ENERGY



In line with global initiatives to develop and promote renewable energy to mitigate global warming, environmental degradation and diminishing fossil fuel resources, KONPRO and its associate companies

are actively involved to find sustainable green energy sources from biofuel, agricultural waste, wind, solar and marine sources. The Group through active collaboration and strategic alliances with technology providers and energy specialist institutions are able to offer comprehensive solutions to its clients.

Our engineers and specialists focus on innovative and practical solutions to develop policies and programmes and undertake sustainable projects for our clients with special emphasis on reliability, efficiency and revenue generation while meeting regulatory requirements and environmental goals and objectives.

KONPRO is actively involved in the implementation of palm biomass power plants under the small renewable energy programmes (SREP), biogas cogeneration plants and use of solar energy for heating. KONPRO is also actively involved in the implementation of biodiesel and glycerin manufacturing plants for local and international clients.





# OUR CLIENT PORTFOLIO





**KONSULTANT PROSES SDN BHD**  
*Project Managers & Consulting Engineers (18099-U)*

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