



# JURUTERA MINSAR CONSULT SDN BHD

- Civil & Structural Consulting Engineers



**Committed To Excellence  
Since 1985**

# CERTIFICATE OF REGISTRATION

This is to certify that the management system of:

## Jurutera Minsar Consult Sdn. Bhd.

Main Site:  
Level 2 & 3, Westmoore House, Twin Tower Centre Rock Road,  
93200 Kuching, Sarawak, Malaysia

has been registered by Intertek as conforming to the requirements of:

### ISO 9001:2015

The management system is applicable to:

Provision of Civil and Structural Engineering Consultancy Services

Certificate Number:

C2154689-3

Initial Certification Date:

15 March 2007

Date of Certification Decision:

28 February 2022

Issuing Date:

28 February 2022

Valid Until:

14 March 2025



*Calin Moldovean*

Calin Moldovean  
President, Business Assurance

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## QUALITY POLICY

Jurutera Minsar Consult Sdn Bhd aims to provide high quality Engineering Consultancy in Civil & Structural Engineering to the satisfaction of the customer by:

- Ensuring that all contractual, statutory and regulatory requirements are fully complied with.
- Providing design solutions which satisfy or exceed clients' requirements and expectations.
- Ensuring compliance with the Quality Management System.
- Continually improving the effectiveness of the Quality Management System.
- Ensuring that the Quality Objectives are established and reviewed.



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- Industrial Developments
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- Studies and Master Plans



# Profile

## The Firm

Jurutera Minsar Consult Sdn Bhd was initially established in 1985 in Sarawak as Minconsult (Sarawak) Sdn Bhd. A joint venture with Minconsult Sdn Bhd of Kuala Lumpur was subsequently established to ensure that full staff strength and technical backup could be provided on most engineering projects undertaken by the firm during the initial stages. The firm has been active since its inception and considering the growth of its staff strength and experience gained as an independent consultant firm over the years, the firm was re-structured in 1993.

All of its shares are now held by Sarawakian Engineers with the majority being owned by Bumiputras. In order to reflect its new identity as a totally independent Consultant Firm, the name was changed to Jurutera Minsar Consult Sdn Bhd, in short “Minsar”, in 1993.

## Services

Minsar provides most fields of Civil and Structural Engineering Consultancy Services, including geotechnical and hydrological services, etc. The scope of services includes a full range of engineering services from feasibility studies, conceptual design and master planning, detailed investigations and design, cost estimation, value engineering, tender and contract documentation and evaluation, construction supervision as well as project management to full completion of projects.

Minsar also collaborates with private clients by providing Engineering services to implement projects on turnkey (design and construct) basis.

## Registration

Minsar is registered with the Ministry of Finance, Malaysia, Unit Pendaftaran Kontraktor & Juruperunding Negeri Sarawak, Board of Engineers Malaysia, Jabatan Kerja Raya, Sarawak & Malaysia, Jabatan Pengairan dan Saliran Malaysia and Association of Consulting Engineers Malaysia.

## ISO 9001 : 2015 Quality Management System

Certification of accreditation in ISO 9001 : 2008 has been obtained by the firm through Intertek Certification Ltd, for the provision of Civil and Structural Engineering works in 2007. To sustain high quality and consistency in the services provided and to ensure full commitment of the firm’s delivery system, accreditation in ISO 9001 : 2015 (latest) Quality Management System has been obtained by Minsar in the year 2018.

## Staff Strength

The firm has over 160 staff, of which more than 60 are qualified Engineers, and Technical Assistants with Diploma qualifications.

All our Engineers and Technical Assistants have kept themselves abreast of the latest technologies and know-how in the engineering field, and through continuous training, have become competent to give their best services to all our clients at all times.

## Resources

Minsar's office is equipped with the latest office equipment and automations. Besides using high speed computers, printers, plotters, all its technical divisions are linked and served by a high powered Central Server network to enhance efficiency in data irretrievability and safe keeping, standardisation, and integration of information.

A Local area network within each technical department is also maintained for confidentiality, and to improve redundancy levels and safeguard against system failure.

Minsar has acquired a comprehensive portfolio of Civil and Structural Engineering as well as standard office software, of which some are highlighted on this page.

## Associate Firms & Specialists

When necessary, the firm will associate and draw staff and specialist support from its close and long term associates, local as well as foreign Specialist Consultants on relevant projects.

Minsar has also teamed up (and will continue to do so) with local Specialist firms, such as Geotechnical, Transportation, and Environmental specialists on special projects.

Very often, Minsar also associates with firms from other disciplines, such as Architects, Electrical and Mechanical Engineers, to give its clients more comprehensive services.

## Our Experience

Minsar has to-date successfully provided engineering consultancy services to a wide range of projects and has gained extensive and useful experience in the following fields, details of which can be seen in subsequent sections of this brochure.

- Commercial & Institutional Buildings
- Airport Developments
- Roads and Bridges
- Hotel, Resorts & Condominiums
- Infrastructure Works, Water Supply & Sewerage Works
- Industrial Developments
- Marine Works
- Studies and Master Plans

Structural Design Software	Airport Design Software	Roads / Civil Works Design Software	Drafting Software
      	 THE TOTAL SOLUTION FOR SIMULATING COMPLEX AIRCRAFT MANEUVERS   VERSION 3.0 	  Power Civil & WaterCAD V8i   Version 2.0  Version: 2.2.2 (28 May 2003) Build 1091   	  

# Commercial & Institutional Buildings

As a Civil and Structural ( C & S ) Engineering firm, Minsar has successfully associated with Architects, both local and international, Mechanical and Electrical Engineers and Quantity Surveyors on many high rise buildings and large institutional complexes throughout Malaysia:



PJD HQ Office Complex , KL



Imperial Mall, Miri



Syariah Court Building Extension. Kuching



Bintulu Development Authority HQ, Bintulu



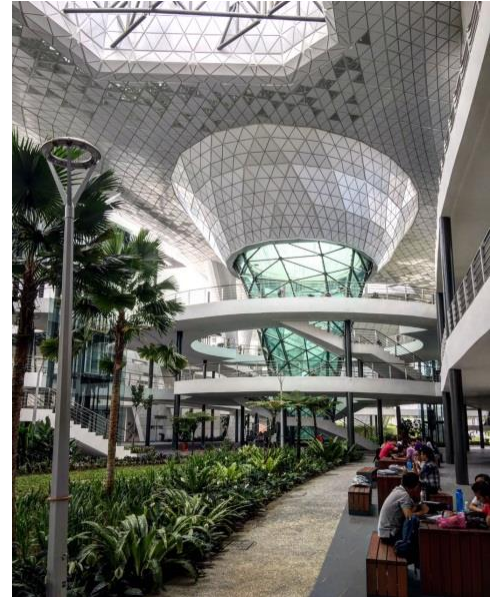
BCKK, Isthmus, Kuching

- Campus for Universiti Malaysia Sarawak (Unimas) in Kota Samarahan, Kuching. Completed in 1993.
- Permata Multi-Storey Carpark ( 1,000 unit Carpark & Food Stalls), Kuching. Completed in 1994.
- 18-Storey Wisma Ting Pek Khiing at Jalan Padungan, Kuching. Completed in 1995.
- 8-Storey Syariah Court Extension at Jalan Satok, Kuching for Majlis Islam Sarawak. Completed in 1995.
- 12-Storey Headquarters Building for Hock Hua Bank, Sibu. Completed in 1995.
- Headquarter Building for Bintulu Development Authority, Bintulu. Completed in 1996.
- City Plaza Multi-Storey Carpark (800 units and Commercial Complex), Kuching. Completed in 1997.
- 23-Storey Commercial, Office and Residential Complex, Miri (Imperial Mall). Completed in 1997 (RM90 Million).
- 11-Storey Twin Tower Office Blocks, Apartments and Shophouses at 2 ½ Mile, Rock Road, Kuching.
- 6-Storey Office Blocks for SLDB Headquarters and Wisma INTERHILL, Miri Town Center. Completed in 1997.
- Integrated Police Training School along Jalan Penrissen, Kuching. Completed in 1997 (RM 60 mil.)
- 22-Storey Twin Tower H.Q. for PJ Development at Jalan Raya Chulan, Kuala Lumpur. Completed in 1998 (RM 120 mil.)

## Commercial & Institutional Buildings (Cont.)



UCTS University, Sibul, Sarawak



UCTS University, Sibul, Structure Works

- Mukah Polytechnic Mukah Division, Sarawak, Completed in 2006 (RM 270 mil.).
- Borneo Convention and Exhibition Centre (BCCK), Kuching. (RM 200 mil.).
- Low Cost Carrier Terminal Building at Kota Kinabalu International Airport, Sabah. (RM 100 mil.).
- 14 Storey-Twin Towers for LCDA and SEDC at Isthmus, Kuching (RM 100 mil.).
- Redevelopment of Sibul Airport Terminal Building to Main Airport (RM 137 mil.).
- New SEB Headquarter (Green Building) at Isthmus, Kuching. Completed in 2011.
- Paragon Commercial Complex for Naim Bhd at Bintulu Old Airport Site (Phase 1 Development at about RM 350 mil. near completion in 2016).
- New University College of Technology Sarawak (UCTS) at old Sibul Airport site. Phase 1 development completed in 2016 (RM 600 mil.).



Mukah Polytechnic, Sarawak



Paragon Commercial Complex at Bintulu



Twin 12-Storey Towers for LCDA and SEDC at Isthmus

SEB HQ (green-building), Kuching

# Airport Developments

Minsar has gained valuable relevant experience in the development of airports of various sizes throughout Malaysia and Brunei. The Consultancy Services provided includes the Master Plan and Feasibility Study stage, right through to Detailed design and Supervision of the Construction Works.

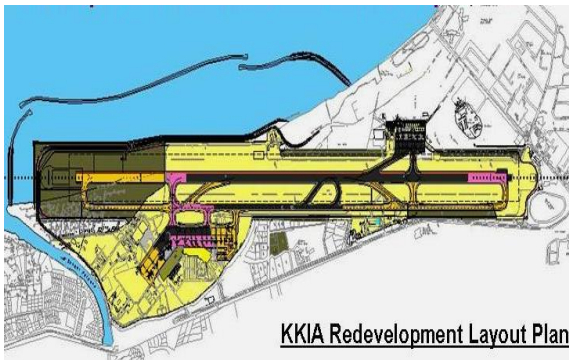
Minsar is the Lead Consultant, as well as the Civil and Structural Engineering Consultancy on the airport development projects shown on this page.



Extension of Langkawi Airport



Extension of Labuan Airport



KKIA Redevelopment Layout Plan

Redevelopment of Kota Kinabalu Airport



Extension of Batu Berendam Airport, Malacca

- **New Mukah Airport, Sarawak**

Master Plan Study for Proposed New Mukah Airport, and Detailed Design for Phase 1 development for ATR72 aircraft operation. Earthworks completed in 2016 at RM130mil. Phase 2 commenced in 2017.

- **Kota Kinabalu Airport Redevelopment, Sabah**

Master Plan for Redevelopment of Existing KKIA for B747 operation. Works included Runway Extension to 3,780m, rehabilitation of existing Runway and Taxiway Pavement & extension to full parallel Taxiway and existing Apron. The Project was completed in 2013 (RM 700mil.).

- **Upgrading of Labuan Airport, Labuan**

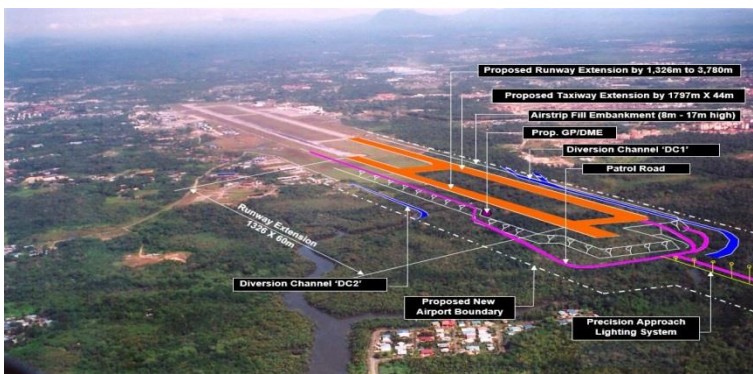
Redevelopment of Labuan Airport for unrestricted AB330 operation, including a New Terminal Building and relocation of TUDM Hangar for Design & Build Contractor – RM 365 mil. Completed in 2009.

- **Batu Berendam Airport Extension, Malacca**

Master Plan Study, for Upgrading of Batu Berendam Airport, Malacca for Airbus B737/A320 operations.

- **Kuching Airport Redevelopment, Sarawak**

Extension of existing Runway to 3,780m over low swampy land, and a New Terminal with separate Arrival & Departure (RM 620 mil.) – Completed in mid 2008.



Redevelopment of Kuching International Airport, Sarawak



Roof Structure of KKIA Terminal



## Airport Developments (Cont.)

- **Extension of Langkawi International Airport**

Extended Runway to 3,780m for B747 operation. Works involved sea reclamation and subsoil improvement for the Airfield Extension, and a 8km long Double-Sided Sheet Pile Off-shore Breakwater. (RM315 mil. in 1995)

- **New Bintulu Airport, Sarawak**

Turnkey Design and Build a new airport 2,780m Runway and a Apron with 5 aircraft stands (RM 380 mil., 2003).

- **Extension of Miri Airport, Sarawak**

Extended existing Runway to 2,745m, a new partial Parallel Taxiway and a new Terminal Building for AB330 Operation (RM 200 mil. in 2004).

- **Extension of Mulu Airport, Sarawak**

Extension of the existing Runway to 1,500m with Navigational Aid System for Fk-50/ATR72 operation for Design and Build Contractor. Project cost was RM 65 million, and completed in 2003.

- **New Airport at Tg. Manis, Sarawak**

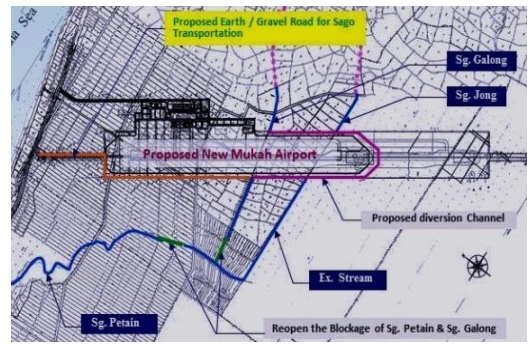
New Airport at Tg. Manis, Sarawak for STIDC, with a 1,500m x 30m Runway and a New Terminal and Apron for eventual Fk-50 Operation. Project cost was RM 75 million, and was completed in 2004, except for the ILS system.

- **Modernization of Brunei International Airport**

The Project was won through Design and Build Tender among International Firms. The upgrading works doubled the size of existing Terminal (total 32,000m<sup>2</sup>) and a new main Carpark, (B\$130mil.. Completed in 2015).

- **Feasibility & Master Plan Study of New Lawas Airport, Sarawak**

The 5-months study was commissioned by Ministry of Transport, Malaysia in Feb. 2016. The study entails the traffic analysis and projections, assessment of existing Lawas Stolport, Site Selection of a new airport, economic and financial evaluation of a new airport.



New Mukah Airport, Sarawak



New Bintulu Airport, Sarawak



Extension of Miri Airport, Sarawak



Extension of Mulu Airport, Sarawak



New Airport at Tg. Manis, Sarawak



Modernization of Brunei International Airport

# Roads and Bridges

Over the years, Minsar has acquired extensive experience in the study, planning, design and implementation of Roads and Bridges. The Engineering Consultancy Services provided includes the Master Plan and Feasibility Study, Traffic Impact Study, right through to Detailed Design and Supervision of Construction.



Kenyalang Interchange, Kuching



Puchong Flyover, Miri



New 2-lane Parallel Btg Kemena Bridge, Bintulu



Proposed Rambungan Bridge , Kuching

## Bridges

- 2<sup>nd</sup> Bridge of Sg.Miri at Pujut 7, Miri. (5 x 30m spans). Completed in 1998.
- 7 nos. R.C Bridges along the Mukah/Balingian Road, Sibul Division for JKR.
- Bridge over Sg. Balingan and its Approaches, Mukah. Completed in 2007. (RM 40 mil.)
- Kenyalang Interchange, Kuching. Completed in 2007. (RM 71 mil.)
- Pujut and Puchong Flyover, Miri. Completed in 2007. (RM 95 mil.)
- Bridge over Batang Balingian (Total 216m, with 60m main span by in-situ stitching using 40m precast girders).
- Jalan Song Flyover, Kuching. Works completed in 2013. (RM 58 mil.)
- River Bridges, Graded Interchanges and Flyover (25 nos. total) for Pan Borneo Highway from Bintulu to Miri . Design completed in 2016.

## Roads

- Satok Flyover, Kuching. Completed in 1995. (RM 45 mil.)
- Improvement of Jalan Palm / Ong Kee Hui, Kuching. Completed in 1996. (RM 20 mil.)
- Boulevard in Petra Jaya, Kuching. Completed in 1996.
- Upgrading of Tg. Batu Road (5 km), and a new spur road from coast to BDA, Headquarters, Bintulu (RM 18 mil.)
- Access Road & Infrastructures Resettlement Scheme for Bakun Dam (RM 250 mil.)
- Miri-By-Pass Road. 10km of new road linking Miri Airport with Jalan Pujut, through deep inland swamp.



# Roads and Bridges (Cont.)

- Simpang Pulai-Gua Musang Road, Pahang.
- Upgrading of Pujut Tudan-Baram Road to dual carriageway with 2<sup>nd</sup> Bridge over Sg. Miri, Miri. Completed in 1998 (RM 180 mil.)
- Sarawak Coastal Road from Matu to Igan (40 km).
- Sarawak Coastal Road – Sg. Buloh to Sebuyau (27km), and Kg. Gelang to Kg. Sg. Nai, Pulau Bruit (20km).
- Upgrading of Sarawak 1<sup>st</sup> Trunk Road from Jalan Betong to Kayu Malam (Package C, 25km). Completed in 2004.
- Pembinaan Jalan Pusa ke Sessang, Sri Aman, Sarawak.
- Upgrading of Existing Road from Bintulu Town to Bintulu Airport to Dual-Carriageway. Completed in 2006. (RM 150 mil.)
- Kuching-Kota Samarahan-Asajaya Expressway (RM 44 mil.)
- Semariang Riverine Loop Road (Turnkey Project - RM 67 mil.)
- Jalan Samarahan / Kpg. Ensengel Hulu / Kpg. Sebuyau / Kpg. Lubok Bunting, Samarahan. (RM 66 mil.)
- Part of new Access Road between Sibu Town and Tg. Manis (Bawang Assan – Seredeng Section), Sarawak (RM 78 mil.).
- Trans-Asean Road, 32.5km of Dual-Carriageway from pujut to Kuala Baram, including Parallel Bridge at Pujut 7, Miri.
- Access Road (60km) from Long Lama to Baram Dam site, Miri.
- Pan Borneo Highway (Upgrading of existing Federal Route 1 to Dual-Carriageway with Graded Interchanges) from Bintulu to Miri (208 km). Works commenced in 2015.
- Road Linking Mile 32 and Coastal Road, Bintulu for BDA (10km).
- Upgrading of Existing Bukut Road Access to Balingian Coal Plant, Mukah (17km).
- Proposed Nadi and Suva Road Widening, Fiji (20km).
- Pan Borneo Highway (Phase 2 - Miri, Limbang and Lawas Section). Design checking Engineer for Road and Bridges.



Jalan Betong to Kayu Malam, Sarawak



Simpang Pulai-Gua Musang, Pahang



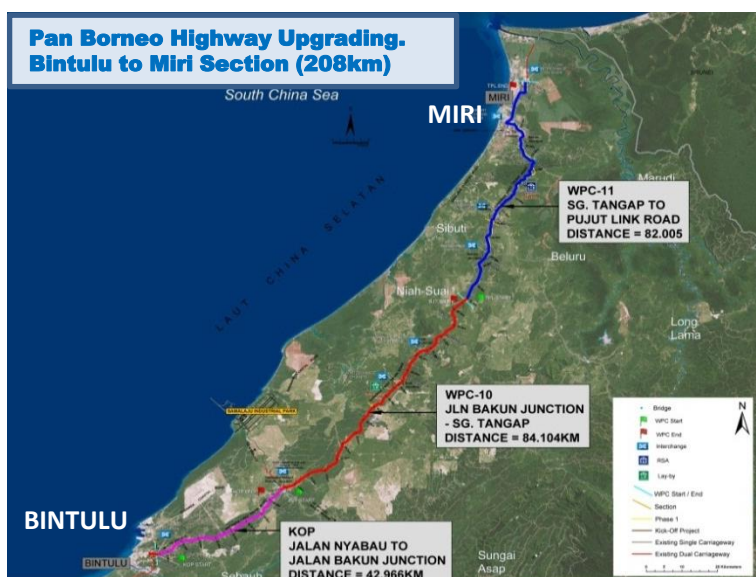
Bintulu Town to Bintulu Airport Dual Carriageway



Semariang Riverine Loop Road in tidal swamp area, Kuching



Kuching-Kota Samarahan-Asajaya Expressway



# Hotels, Resorts & Condominiums

Minsar has been involved as the Civil and Structural Engineer in the development of many beach resorts and high-rise hotels throughout Malaysia, either under fast-track turnkey construction or through the normal design, tender and construction supervision staged implementation. The following are a few typical projects the Engineers of Minsar have gained experience from:

- Holiday Inn, Miri (200 Rooms). Completed in 1988.
- Kingwood Inn, Kuching (105 Rooms). Completed in 1989.
- Santubong Resort Kuching (380 Rooms) and Golf Club House. Completed in 1990.
- Sheraton Beach Resort, Langkawi (350 Rooms). Completed in 1991.
- Sheraton Resort Labuan (250 Rooms). Completed in 1992.
- De-LIMA and Mega Budget Hotel, Langkawi (totalling 2,000 rooms). Completed in 1992.
- Langkasuka Beach Resort, Langkawi (250 Rooms). Completed 1993.
- 14-Storey Swiss Inn Hotel (200 Rooms) with 3-Storey basement carparks, George Town, Penang.
- Swiss Inn Kuantan, a Beach Resort Hotel Pahang (300 Rooms). Completed in 1997.
- Beverly Hotel, Bintulu, a Beach Front Hotel with 200 Rooms. Completed in 1997.
- 15-Storey Hotel Complex, (RH Hotel) Sibü. Completed in 2006. (RM 55 mil.)
- Damai Laut Resort Development, consisting of a Beach-side Resort, Bungalows, Holiday Apartments, Water Theme Park, and an 18-hole Golf Course. (RM 300 mil.)



15-Storey RH Hotel Complex, Sibü



Four Points Sheraton Hotel, Kuching



Swiss Inn, Kuantan, Pahang



Damai Laut, Swiss-Garden Resort



Santubong resort Hotel and Damai Golf Club, Kuching

## Hotels, Resorts & Condominiums (Cont.)

- 18-Storey Kingwood Hotel Extension and Water Front Development, Sibü (RM 90 mil.).
- 23-Storey Pullman Hotel cum Commercial Centre at Jalan Mathis, Kuching with 350 Rooms (RM 200 mil.).
- Four Points Sheraton Hotel, near Kuching International Airport, Kuching (250 Rooms).
- 26-Storey Pullman Hotel and an 18-Storey Service Apartment in Miri Central Business District. Work completed 2016.
- 3-Blocks of 18-Storey Bay Resort Condominiums and Service Apartments at Tanjung Lobang, Miri
- 25-Storey Condominium at Sibü Town Square completed in 2016.
- 12-Storey Hotel at Paragon Centre, Bintulu
- 2 Blocks of 27-Storey Condominium with Strata title at Jalan Tg. Batu, Bintulu.
- 34-Storey Condominium cum shopping Complex at Paragon Centre, Bintulu. Completed in 2016.
- 27-Storey Condominium (Pinnacle) by Sarawak Land (Samling Group) at Tg. Batu, Bintulu.
- 18-Storey Condominium for DD Plantation at Tg. Batu, Bintulu. Completed in 2016.
- Twin 18-Storey & a 13-Storey Saffire Condominium with 3-level basement carpark at Jalan Batu Lintang for Naim Bhd, Kuching.
- 22-Storey Promenade Hotel with basement carpark at Bukit Mata, Jalan Padungan, Kuching.



Pullman Hotel cum shops Kuching



Pullman Hotel cum condominium, Miri



Kingwood Hotel, Sibü



Holiday Inn, Miri



Sheraton Beach Resort, Langkawi



Bay Resorts & Service Apartments, Miri



Sibü Town Square Condo.

# Industrial Developments

Minsar has been involved in a very wide range of industrial development projects, mainly for the private sector. In these multi-disciplinary projects, Minsar has often acted as the project manager and co-ordinator, and provided the lead role in the Consultancy Team. Some of the projects in which Minsar were involved are:

- Paper Mill for See Hua Daily News at Muara Tuang, Kuching. Completed in 1986.
- Extension to Forescom Plywood Factory in Bintawa, Kuching. Completed in 1987.
- Malaysian Airline Cargo Building at New Sibu Airport. Completed in 1994.
- 3-Ply Parquet Factory in Kuala Baram, Miri. Completed in 1995.
- Particle Board Factory at Upper Lanang Road, Sibu. (RM 110 mil). Completed in 1995.
- Formaldehyde and Glue Resin Plant at Sejingkat Industrial Estate, Kuching. Completed in 1993.
- Optical Fibre Factory in Shah Alam, Selangor. Completed in 1995.
- 60 units Detached Factory Buildings at Demak Laut Industrial Estate, Sejingkat, Kuching. Completed in 1997.
- Steel Rolling Mill at Sijingkat, for CMS Kuching. Completed in early 1998.
- Palm Oil Mills for R.H Plantation at Selangau (120 TPH), Sibu and at Lundu (90 TPH), Kuching
- Sin Chiew Jit Poh News Print Factories in Bintawa, Kuching and Sibu. Completed in mid 1997 & 1998 respectively.
- UCS (cable) Factory at Demak Laut Industrial Estate, Kuching.



RH Palm Oil Mill, Lundu, Kuching



Glue Resin Plant, Kuching



Steel Rolling Mill, Kuching



UCS Factory, Demak Laut, Kuching



Subur Tiasa Particleboard, Sibu, Sarawak

## Industrial Developments (Cont.)



Ship Building Industry at Tg. Manis



275/33 KV Substation at Lambir for SEB



AML Ferro Manganese Smelter, Samalaju, Bintulu



Balingian Coal Fired Power Plant - 2X300 MW



Press Metal Aluminium Smelter Plant (Phase 1), and Aluminium Smelter Pots, at Samalaju Industrial Park, Bintulu

- Integrated Workshop and Warehouse for existing MLNG Complex in Bintulu.
- Infrastructure Works on Lots 657 & 659 (1,200 acres) for Ship Building Industrial for STIDC, Tanjung Manis, Mukah.
- Fertilizer Storage and Distribution Factory for Agromate in Bintulu.
- Aluminium Smelter Plant and Supporting Facilities for Press Metal at Samalaju Industrial Park, Bintulu. Provision of full Phase 1 C&S Consultancy Services.
- Ferro Manganese Alloys Smelter Plant for AML at Samalaju Industrial Park (SIP), Bintulu. Infra-structure design and Value Engineering on all structural works.
- Lambir 275/33 KV H.T. Substation, Miri for Sarawak Energy Berhad, including a bridge over Sg. Lambir.
- 600 megawatt Balingian Coal Fire Power Plant, Mukah. Infra-structure design and authorities submission of Plant for Shanghai Electric, China



# Infrastructure Works

Minsar has been involved in several large scale infrastructural projects, such as, Airports, Water Supplies, New Townships and Resort development requiring the provision of most infrastructure facilities, drainage, access roads and bridges, as well as in assisting in the Environmental Impact Studies.



Miri Resort City & Marina Park, Miri



Batu Kawa New Township, Kuching



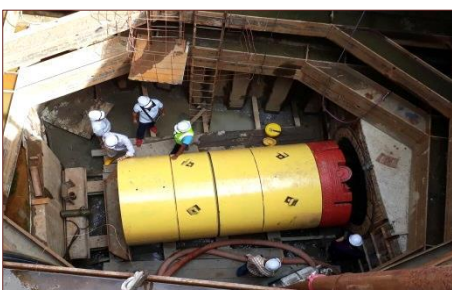
Bakun Dam Resettlement Scheme



Desa Ilmu New Township, Kota Samarahan



16km 750mm Ø Main Ext. to Bako, Kuching



Miri Centralised Sewerage Scheme, Phase 1

- Bakun Resettlement Scheme for development of Bakun Hydro-electric Project. Completed in 1997. (RM 300 mil.)
- Damai Laut Resorts, including 18-Hole Golf Course and Holiday Bungalows, etc., Lumut, West Malaysia. Completed in 1999. (RM 180 mil.)
- Bintulu Waterfront Promenade Coastal Protection and Beautification. Completed in 2007. (RM 70 mil.)
- Langkasuka Marina Development, Langkawi.
- Infrastructure for Integrated Fishing Port at Tg. Manis, Mukah (RM 200 mil.).
- Miri Resort City & Marina Park – 600 acres of mixed development as Miri City Extension, including diversion and improvement of Miri River Mouth. (RM 200 mil.)
- Desa Ilmu New Township, Kota Samarahan , Kuching, Sarawak (RM 250 mil.)
- Batu Kawa New Township for 60,000 new population, consisting of 260 acres of mixed commercial, residential and recreational development, Kuching. (RM 560 mil.)
- New Tudan Township, Miri – consists of 2,000 acres of mixed commercial, residential, institutional and recreational development (initial infra-cost @ RM 250 mil.)
- Infrastructure Works on Lot 659 for industrial development, Tanjung Manis, Mukah Division. (RM 160 mil.)
- Infrastructure works for New Integrated Fishing Port Complex at Bako, Kuching under PFI (RM 230 mil.)
- Infrastructure and structural works for new Samalaju Eco-park Township, Bintulu.

## Water Supply and Sewerage Works

- 16km of 750mm Ø Main Extension along Jalan Bako, Kuching
- Tanjung Manis to Pulau Brait Pipeline Extension, Phase 1 involves 45km of pipe main to Kg.Saiee (RM 40 mil.)
- Batu Kitang Water Treatment Plant (Module 8, RM98mil.), Kuching
- Sewerage treatment Plant (100,000PE), Bintulu. Completed 2017.
- Miri Centralised Wastewater Management System, Phase 1 in progress (RM420 millions)



# Marine Works

Minsar has been involved in a very wide range of marine Engineering development projects, from Feasibility study, planning to implementation, for public as well as private sectors. In these multi-disciplinary projects, Minsar often acts as the project manager and co-ordinator, and provided the lead role of the Consultancy Team. Some of the projects in which Minsar were involved are:



7.0km Offshore Breakwater, Lanagkawi



Integrated Fishing Port Complex at Tg. Manis



Integrated Fishing Port Complex, Kuching



Express Boat Terminal, Sibiu



Bintulu Waterfront Protection Works



600 Acres of Sea Reclamation for Miri City Extension & Marina Project

- Langkasuka Marina Development with 7.0km Off-shore Breakwater, Langkawi for MOT, Malaysia.
- Integrated Fishing Port cum complex at Tg. Manis for Fishery Department, Malaysia (RM 200 mil.).
- Asia Supply Base Oil & Gas Jetty Extension, Labuan.
- Site preparatory works for Oil exploration works for MBODC (1990) and Nippon Oil (2010), Miri.
- Sibiu Express Boat Wharf Terminal for Sibiu Municipal Council.
- Refurbishment and Extension of Existing Sibiu Rajang Port Terminal for Rajang Port Authority.
- Extension to 3 berths and refurbishment of Existing Tg. Manis Port, Mukah.
- Sedimentation Studies and preliminary design of a second Approach Channel for Bintulu Deep Sea Port.
- Oil and Gas Terminal & Supply Base for Bintulu Port Bhd, Bintulu.
- Bintulu Waterfront Reclamation, Protection and Beautification Works for BDA.
- Site selection and preliminary Design for a Dedicated Halal Port at Tg. Manis, Mukah for STIDC.
- Petrol Chemical Terminal Jetty -Technical Investigation and Fitness Audit for Bintulu Port Sdn Bhd.
- New integrated Fishing Port Complex along Sg. Sarawak under PFI Scheme (RM 230 mil.).
- 600 Acres of Sea Reclamation for Miri City Extension & Marina Project.

# Studies & Master Plans

Minsar has completed and is currently undertaking major Master Plan and Feasibility Studies in Sarawak. Some of the Projects are as follows:

- **Sibu Traffic Study, Sarawak**

The Traffic Study for Sibu Town was carried out in association with Minconsult Sdn Bhd. A 12 months study to formulate a Traffic Master Plan for Sibu Town.

- **Integrated Shoreline Management Plan for Miri Division, Sarawak**

The study involves the full 145km and 1.0km Zone of coastline of Miri Division, for the Department of Irrigation and Drainage, Malaysia.

- **Miri Wastewater Management Study, Sarawak**

The Master Plan Study was carried out by EEC in association with Minsar in 2010. Minsar was engaged for the detailed design of the Phase 1 implementation in 2015 with a budget of RM 428mil.

- **Master Plan for Isthmus Development, Kuching**

A Master Plan Study was carried out for CMS Properties with detailed Structural Plans for the full development of Isthmus.

- **Master Plan of Offshore Deep Sea Port at Samalaju**

Investigation and Master Plan Study of a Offshore Deep Sea Port at Samalaju for Sarawak Government.

- **Samarahan Central Wastewater Master Plan, Sarawak**

The Study was carried out for JPPS in 2018.

- **Greater Kuching Regional Development Plan Study**

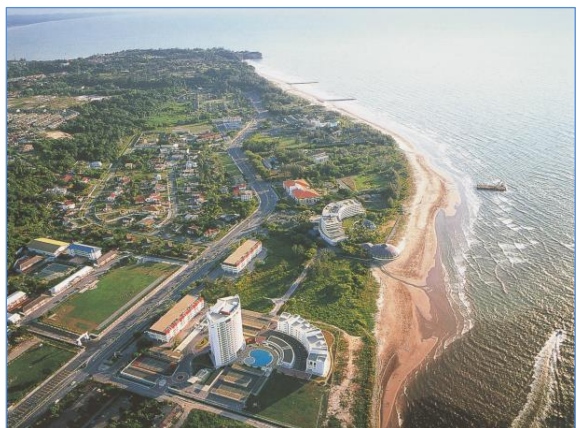
This extensive Master Plan Study was prepared for State Planning Unit (SPU), Sarawak, in association with KPMG & Surbana Jurong of Singapore in 2018.



Master Plan Study for Off-shore Samalaju Deep Sea Port



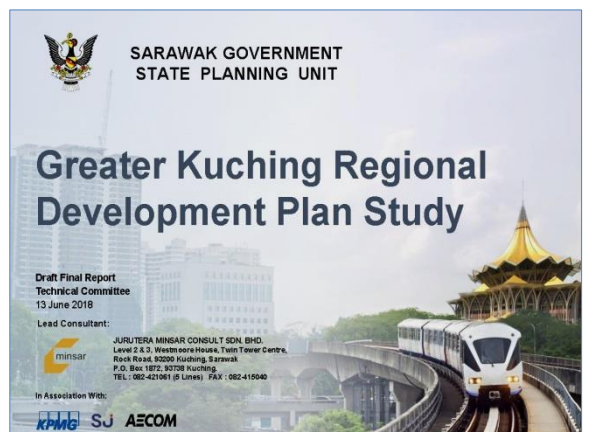
Miri Wastewater Management Study, Sarawak



Integrated Shoreline Management Plan for Miri Division, Sarawak



Masterplan and Infrastructure Study for Isthmus Development – Kuching



Regional Development Master Plan Study for Greater Kuching for SPU, Sarawak

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