RENEWABLE ENERGY & ENERGY EFFICIENCY PARTNERSHIP

Engineering Services, Contract & Project Management:-
- Renewable Energy
- Power Plant
- Oil & Gas
- Utility
- Industrial & Commercial

No. 3-21, Pusat Perdagangan KLH
Menara KLH, Bandar Puchong Jaya
47170 Puchong, Selangor, Malaysia.

E-mail Address: enquiry@reeepgroup.com
Website: www.reeepgroup.com
REEEP Group Sdn. Bhd. was incorporated on 2nd November 2010 by a group of energetic and experienced engineers. The group commits to provide a reliable, quality and safe work to clients.

REEEP is an acronym of RENEWABLE ENERGY AND ENERGY EFFICIENCY PARTNERSHIP. The company welcomes any corporation, company, energetic and experienced engineers to be partnering with us to form an integrated all-in-one business related with energy. The range of business includes product, system, project, engineering, installation & commissioning, training, operation and maintenance.
Scope of Services
Business Activities:- Projects

- **Renewable Energy**
  (Hydro, Biomass, Biogas & Photo-Voltaic Power Generation System)
- **Power Plant**
  (Power Generation System & Auxiliary Supply System)
- **Oil & Gas**
  (Off Shore & Petrochemical Industries)
- **District Cooling Plant**
  (Chiller System & Cogeneration Plant)
- **Utilities**
  (Switchyard, Substation & Water Treatment Plant)
- **Industrial**
  (Steel Mills, Palm Oil Mills, Paper Mills, Food Industries, Chemical Industries, Electrical & Electronic Industries, Automobile Industries & etc)
- **Commercial**
  (Hospitals, High Rise Buildings, Shopping Complex, Theme Parks & etc)
**Scope of Services:- System**

- **Electrical Generation System**  
  (Gas Turbine Generator, Steam Turbine Generator, Hydro Turbine Generator, Diesel Generator & UPS System)

- **Electrical Distribution System**  
  (Switchyard, Substation, Switchgear, Transformer, Bus-duct, Switchboards, SCADA System, DC Control Wiring, DC Battery and Charger System, Sub-main Cable, Distribution Board, Metering System, Earthing System, Lighting Protection System)

- **Instrumentation and Control System**  
  (Distributed Control System, Field Instrument, Building Automation)

- **Energy Management**  
  (Power Management & Monitoring Systems)

- **Mechanical System**  

- **Process System Optimization - Energy Recovery / Energy Efficiency**  
  (Steam System, Steam Sub-system, Hot Water System, Hot Air System, Waste Energy Recovery)
Scope of Services:- Range

- **Engineering**

- **Installation & Commissioning**
  HV & MV Switchgears, Transformers, Generators, LV Switchboards, Sub-circuits.

- **Operation & Maintenance Support**
  Troubleshooting & Retrofit.

- **Testing & Supervising**
  Supervising Installations, Protection Relay Coordination, Testing & Calibration.

- **Training**
Scope of Services – Energy

- **Efficient Management of Electrical Energy Regulation 2008**
  Reg. Electrical Energy Manager, Conduct EE Audit, Establish EE Policy, Provide EE Improvement Solution, EE Incentive Application, Project Finance Funding Arrangement

- **Electrical Bill**
  Re-configure Plant/Building Process Operation Sequence to Save Maximum Demand Charge

- **Electrical Network**
  Provide Recommendation for the Network Enrichment

- **Electrical Protection/Cable/Circuit Breaker/Earthing/Lightning Protection Scheme**
  Provide Risk/Load Assessment Report and Recommendation

- **Substation/Transformer Yard**
  Provide Recommendation for Heat Transfer Issue

- **Power Quality**
  Conduct Plant/Building Power Quality Measurement to Overcome Nuisance Tripping Problem

- **Motor/Lift/Escalator/Conveyor**
  Provide Recommendation for the best of Motor Starter Scheme, Review Economic Impact of Motor Efficiency versus Loading
Scope of Services – Energy

- **Transformer**
  Review Economic Impact of Transformer Loading versus Losses

- **Air-Conditioning/Plant Process System (Including Boiler)**
  Assess System Efficiency, Recommend Energy Efficiency Improvement

- **Utility/Water/Chemical/Lighting**
  Assess Usage/Environmental Impact; Provide Alternative Solution

- **Building Material/Window/Roof/Ceiling/Carpet**
  Assess (Energy Impact) Installed Material, Recommend Energy Efficiency Improvement
Products:-

- Energy Management
  (HVAC Control System)
- Energy Efficiency
  (Variable Speed Drive, Voltage Optimizers, Power Factor Correction System, Harmonic Compensators)
- Power Generation
  (Gas Turbine Generators, Steam Turbine Generators, Diesel Generators, Auxiliary Systems)
- Power Distribution
  (High Voltage & Low Voltage Circuit Breakers, Switchgears, Transformers, Cables, Measuring Devices, Control Components, Manual Motor Starters)
Management Team
Name: Ir. Ismail Omar
(E-POWER ENGINEERING S/B – Director)

Executive Summary:
- Experience: 50 Years
- Discipline: Electrical Engineering
- Type of Project: Generation, Transmission, Distribution, Factory/Mills
- System: Generation (DIESEL, HYDRO, STEAM STATION); Transmission (Submarine/Tower), Distribution System and Building Service
- Whilst serving the LLN was responsible for economic and reliable operation of the High Voltage Transmission Network and Generating Stations throughout Peninsular Malaysia.

Nationality: Malaysian

Achievements:
- ST Reg. Competent Electrical Engineer
- ST Reg. Electrical Services Engineer
- Professional Engineer (BEM 916)
- Fellow of Institution of Engineers Malaysia
- Chartered Electrical Engineer (UK)
- Member Institution of Engineering Technology (UK)

Education:
- Brighton College of Technology UK,
  Diploma in Electrical Engineering 1963
Name: Ir. TAN Kang Chu  
(AVEFUME CONSULTANT – Principal)

Executive Summary:

- **Experience:** 22 Years
- **Discipline:** Electrical Engineering Services
- **Type of Project:** Cogeneration/ District Cooling Plant, Factory, Department Store, Hotel, Commercial Building and Housing Development
- **System:** Generation (GENSET, GTG); Transmission (Submarine/Tower), Distribution System, Control (PMS/ENMCS/SCADA); Building Service and Extra Low Voltage; Earthing System
- **COGEN Projects:** IOI Acidchem, PML; PFK; PPMSB; PJP2; UTP; KLIA; KLCC; TEC; more than 20 other COGEN projects: tender/studies/proposal

**Nationality:** Malaysian

**Achievements:**
- Electrical Energy Manager
- Competent Electrical Engineer (33kV)
- Practising Professional Engineer
- National Steam System Optimization (SSO) Expert (UNIDO-GEF)
- Green Building Index (GBI) Facilitator
- ASEAN Engineer
- Member of The Institution of Engineers Malaysia
- Dean's Honour Roll, Oklahoma State U., U.S.A.
- Member of Eta Kappa Nu

**Education:** Oklahoma State University,  
Degree: Bachelor of Science - July 1994  
Major: Electrical Engineering & Computer Engineering
Name: Ir. Yahya Bin Abdul Ghani

Summary:
- **Experience:** 45 Years
- **Discipline:** Electrical Engineering
- **Type of Project:** Power Plant, Cogeneration & Renewable Energy
- **System:** Generation (GAS, STEAM, OIL & HYDRO STATION);
- **Extensive experience in Power Generation Technology**
- **Served as Operation & Maintenance Engineer/Manager and Project Engineer/Project Manager with TNB since 1968 till 1999.**
- **Involved as Project Director or Project Manager for major power generation projects internationally**

Nationality: Malaysian

Achievements:
- Reg. Professional Engineer
- Member of The Institution of Engineers Malaysia
- Chartered Electrical Engineer (UK)

Education: Brighton College of Technology, UK
B. Sc. (Hons) in Electrical Engineering - 1968
Name: Ir. Francis Xavier Jacob

Executive Summary:

- **Experience:** 38 Years
- **Discipline:** Electrical Engineering Services, Energy Management
- **Type of Project:** Commercial Building, Hospitals and Housing
- **Regulatory aspects of Electrical Safety and Energy Efficiency**

Nationality: Malaysian

Achievements:
- Competent Electrical Engineer (275kV)
- Registered Electrical Energy Manager
- Professional Engineer
- Member of The Institution of Engineers Malaysia (IEM)
- Secretary of Electrical Engineering Technical Division, IEM

Education: University of Malaya,
- Degree: Bachelor of Engineer - 1977
- Major: Electrical Engineering
- Degree: Masters of Environment
Steam system consultant /Steam /ICE Engineer,/Boiler trainer
Name       L.R.Canaraj
Age        63Years

2. Qualification.
   a) Diploma in Mechanical Engineering,
   b) City and Guilds of London, General Course in Engineering.
   c) First Grade Steam Engineer's Certificate and First Grade Internal
      Combustion Engine (Gas Turbine) issued by DOSH.

Work description
RESPONSIBILITIES:
40 years of working experience of which as follows:
-12 years in Palm Oil mills. (20 tons to 60 Tons mills)
-11 years in Petrochemical complex.
-12 years in Utility Plant and Visiting Engineer, supply power and chilled water
-7 years with T & E (GTS) as Principal Engineer static fired , Staff Engineer and also as
   Engineering Manager for MLNG New boiler project.
Now -Freelance consultant for fired equipments (boilers, fire heaters, Reformer)
Steam/Internal combustion Engine competent Engineer.
Name: Ir. Ong Song Kuan  
(NITRO VENUS S/B – Director)

Executive Summary:
- Experience: 42 Years
- Discipline: Electrical Engineering Services
- Type of Projects: Factory, Department Store, Hotel, Commercial Building, Recreational and Housing Development
- System: High and Low Voltage Distribution Systems, Building Services and Extra Low Voltage Services, Electrical Earthing System
- System Studies: Electrical Distribution and Protection Studies and Analysis
- Special Services: Value Engineering Services, Competent Control Services in compliance with Suruhanjaya Tenaga and assisting Clients to resolve TNB issues.

Nationality: Malaysian

Achievements:
- Competent Electrical Engineer (up to 275kV)
- Professional Engineer Board of Engineers, Malaysia
- Member of The Institution of Engineers Malaysia

Education:
- University of Malaya, Bachelor of Engineering (Hons) - 1972  
  Discipline - Electrical
Name: Mr. HO GAN SUM

Executive Summary:

- **Experience**: 42 Years
- **Discipline**: Electrical Engineering Services
- **Type of Projects**: Factory, Oil and Gas; Cogeneration; Utilities Plant
- **System**: High and Low Voltage Distribution Systems, Electrical Earthing System
- **Application Focus**: Project Management/Engineering, Consultancy, Maintenance Management, Technical Audits, Capability Assessments or Developments, Electrical/Reliability CBA Modules Developments.

*Nationality: Malaysian*

**Achievements:**
- Competent Electrical Engineer (up to 275kV)
- Member of IEEE(US) and Fellow of ICE(Malaysia).

**Education:**
- 1969 completed HSC at Anderson Secondary School, Ipoh, Perak
- 1975 completed London Institute Diploma in Electrical Engineering (HND) UK.

**Industry Involvements – Committees.**
1. Member of TC-32 SIRIM Stds Committee for Power Quality Harmonization. 2002-2004
2. Member of TC-36 SIRIM Stds Committee for MS-ExIEC Standards Development.
3. Co-Founder Member of PETRONAS-SURUHANJAYA TENAGA Consultative Task Group for Development of Competent Persons.
5. Member of IMM, Malaysia.
Mr. LAI WAH -- ENGINEERING MANAGER

QUALIFICATION

CITY & GUILDS OF LONDON INSTITUTE, FULL TECHNOLOGY CERTIFICATE IN ELECTRICAL ENGINEERING PRACTICE
CERTIFICATE OF COMPETENCY CHARGEMAN B4, 33KV
CERTIFICATE OF COMPETENCY WIREMAN PW3
PASS PETRONAS 1ST TPCP INSTRUMENT STAFF ENGINEER

EMPLOYMENT

MITSUI ENGINEERING & SHIPBUILDING Co Ltd (Malaysia) as Electrical & Instrument Engineer, 2010 October till date
REEPGROUP AS Project Engineering Manager on project basis
BRUNEI SHELL PETROLEUM AS SENIOR PROJECT ELECTRICAL & INSTRUMENT ENGINEER, 2008 May, to 2010 May
MITSUI ENGINEERING & SHIPBUILDING Co Ltd (Saudi Aramco) as Instrument Specialist, 2007 December to 2008 April
PPMSB as Instrument Superintendent 2005 August to 2006 July
PPMSB as Instrument Supervisor 1994 August to 2005 July
PPMSB as Electrical Supervisor 1993 March to 1994 July
PPTSB as Electrical & Instrument Executive 1991 March to 1993 February
ABF as Electrical Supervisor 1985 May to 1991 February

PROCESS, ELECTRICAL, INSTRUMENT TECHNOLOGY

SWEET CRUDE OIL REFINERY PROCESS ENGINEERING, PROCESS OPERATION, INSTRUMENT & CONTROL
SOUR CRUDE OIL PROCESS ENGINEERING, PROCESS OPERATION, INSTRUMENT & CONTROL
CRUDE OIL PRODUCTION PROCESS, PROCESS OPERATION, INSTRUMENT & CONTROL
AMMONIA PLANT PROCESS ENGINEERING, PROCESS OPERATION, INSTRUMENT & CONTROL
LNG PLANT PROCESS ENGINEERING, PROCESS OPERATION, INSTRUMENT & CONTROL
COGEN PLANT PROCESS ENGINEERING, PROCESS OPERATION, INSTRUMENT & CONTROL
MONO ETHYLENE PLANT PROCESS ENGINEERING, PROCESS OPERATION, INSTRUMENT & CONTROL
GAS TURBINE & STEAM TURBINE ENGINEERING, OPERATION AND INSTRUMENT & CONTROL
Name: Ir. NG WOON YEN
(WY ENGINEERING & CONSULTING – Principal)

Executive Summary:
- **Experience:** 12 Years
- **Discipline:** Mechanical Engineering Services
- **Type of Projects:** Factory, Oil and Gas; Offshore; Cogeneration; Utilities Plant
- **System:** Piping, elevated temperature services, pipe stress, hydraulics, steam/water process design; heat balance

**Software competency:**
- Bentley’s AutoPLANT Design Series
- AutoPIPE Pipe Stress analysis
- CAESAR II Pipe Stress Analysis
- PIPENET Transient Analysis
- TERMIS Basis & Surge
- PlantFLOW Hydraulic Analysis
- GE GateCycle Heat Balance Software
Major Project Reference of The Team
<table>
<thead>
<tr>
<th>PROJECT TITLE / DESCRIPTION</th>
<th>END USER/CLIENT</th>
</tr>
</thead>
<tbody>
<tr>
<td>TWO UNITS OF 1,400kW (TOTAL: 2,800kW) GAS TURBINE COGENERATION SYSTEM FOR SDP GLOBAL AT TANJUNG LANGSAT, JOHOR - ST/TNB Liaison Consultant - COGEN License Application - Network Studies</td>
<td>SDP GLOBAL (MALAYSIA) SDN. BHD.</td>
</tr>
<tr>
<td>Electricity Regulation 60: Competent Person Electricity Regulation 62: Competent Person on each Shift - 275kV Competent Resident Engineer</td>
<td>VALE MALAYSIA MINERALS SDN. BHD.</td>
</tr>
<tr>
<td>EFFICIENT MANAGEMENT OF ELECTRICAL ENERGY REGULATIONS 2008, ELECTRICITY SUPPLY ACT 1990 - Energy Manager</td>
<td>JOHNSON-JOHNSON SDN. BHD. VALE MALAYSIA MINERALS SDN. BHD.</td>
</tr>
<tr>
<td>Electricity Regulation 67.(2): Regular Inspection by Competent Engineer - Periodic Inspection on Electrical Installation</td>
<td>IOI ACIDCHEM SDN. BHD. UG GLOBAL RESOURCES SDN. BHD. IOI ESTERCHEM (M) SDN. BHD.</td>
</tr>
<tr>
<td>PROJECT TITLE / DESCRIPTION</td>
<td>END USER/CLIENT</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td>ONE UNIT 6.5MW GAS TURBINE COGENERATION SYSTEM FOR ACIDCHEM AT PRAI, PENANG - General Consultation</td>
<td>IOI ACIDCHEM SDN. BHD. (formerly known as ACIDCHEM INTERNATIONAL SDN. BHD.)</td>
</tr>
<tr>
<td>33.5MW GAS TURBINE COGENERATION SYSTEM FOR TORAY INDUSTRIAL COMPLEX AT PRAI, PENANG - COGEN License Application</td>
<td>Licensee: GAS MALAYSIA ENERGY ADVANCE SDN. BHD.</td>
</tr>
<tr>
<td>Compliance to DOSH Requirement for Reporting - Periodic Inspection on Internal Combustion Engine</td>
<td>IOI ACIDCHEM SDN. BHD.</td>
</tr>
<tr>
<td>In-house Training - Steam System &amp; Internal Combustion Engine - ISO 50001 Energy Management System</td>
<td>IOI ACIDCHEM SDN. BHD. (February-2016, March-2016)</td>
</tr>
<tr>
<td>PROJECT TITLE / DESCRIPTION</td>
<td>END USER/CLIENT</td>
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<td>-------------------------------------------------------------------------------------------</td>
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</tr>
<tr>
<td></td>
<td>GON PYAUNG TUN Co., Ltd. +</td>
</tr>
<tr>
<td></td>
<td>MA HUP SENG ENG. SDN. BHD.</td>
</tr>
<tr>
<td>KGA New Office and Overhaul Facility Project.</td>
<td>KAWASAKI GAS TURBINE ASIA SDN. BHD.</td>
</tr>
<tr>
<td>- General Consultation</td>
<td></td>
</tr>
<tr>
<td>TOKUYAMA MALAYSIA POLYCRYSTALLINE SILICON MANUFACTURING PLANT,</td>
<td>Client: ZAIDUN-LEENG SDN. BHD.</td>
</tr>
<tr>
<td>SAMALAJU INDUSTRIAL PARK, BINTULU</td>
<td>Subcontract on the HVAC Control System Design</td>
</tr>
<tr>
<td>Engineering, Procurement, Construction and Commissioning (EPCC) of MLNG New Boiler Project</td>
<td>MALAYSIA LNG SDN. BHD. /</td>
</tr>
<tr>
<td>- Support for bidding exercise</td>
<td>PROACTIVE MH SDN. BHD.</td>
</tr>
<tr>
<td>ENGINEERING, PROCUREMENT, CONSTRUCTION &amp; COMMISSIONING (EPCC) OF COGENERATION PLANT AT</td>
<td>PETRONAS GAS BERHAD /</td>
</tr>
<tr>
<td>GPP A AND GPP B - Support for bidding exercise</td>
<td>DELCOM SERVICES SDN. BHD.</td>
</tr>
<tr>
<td>PROJECT TITLE / DESCRIPTION</td>
<td>END USER/CLIENT</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------------------------</td>
<td>------------------------------------------------------</td>
</tr>
</tbody>
</table>
| TOP GLOVE FACTORIES (No.3, 10, 11, 22 and 25) ENERGY CONSERVATION PROJECT FOR THE EPCC OF GAS ENGINE COMBINED HEAT POWER COGENERATION SYSTEM  
- General Consultation  
- Electrical Engineering Support  
*Note: Five CHP Projects* | TOP GLOVE SDN. BHD. / GMP MEDICARE SDN. BHD.                                      |
| PROPOSED UPGRAding MAIN INTAKE ELECTRICITY SUPPLY FROM 11kV TO 132kV PROJECT FOR KANEKA (MALAYSIA) SDN. BHD.  
- General Consultation  
- Electrical Engineering Support | KANEKA (MALAYSIA) SDN. BHD.                              |
Other Project Experience
Major Project-1: PP(M)SB COGEN Plant - Main Equipments

Five x 25MW GTG

DCS, ESD and ENMCS

Electrical System – 33kV, 11kV, GENSET, UPS, Switchgear, Transformer, Building Services

One x 25MW STG, i) 105.2 t/h HP inlet steam or ii) 52.4 t/h HP inlet steam, 44.6 t/h MP & 45.8 t/h LP injection

Five x 95 T/h HRSG
Major Project-1: PP(M)SB COGEN Plant - Plant Overview
Major Project-1: PP(M)SB COGEN Plant - Simplified Electrical Network

- **TNB 132kV 25kA**
- **TNB PPMSB**
- **132kV 31.5kA @ SS10**
- **132/34.5kV 70/90MVA @ SS11**
- **Is Limiter**
- **SS50 33kV 2500 A 31.5 kA Double Busbar Switchgear**
- **New GTG & Transformer**
- **To be disinvested and not used**
- **2.2 km long 18 cables 33kV 400 mm2**
- **Existing 33kV 25kA Switchgear in SS11**
- **Existing 33kV 25kA Switchgear in SS00**
Cogeneration/District Cooling Plant Project, Putrajaya Precinct 2 (Core Island), Stage 2, 3 & 4.

Service Period:
November 2003 – April 2005

Project Value:
About RM300 million

Reference:
Mr. Wong Kar Ken, Tel No.: 03-8068 8282
Mr. Lo Chee Kheong, Tel No.: 03-8068 8280
Major Project-4: SIME DARBY INDUSTRIAL SDN. BHD.

RENEWAL APPLICATION FOR COGENERATION LICENCE FOR KOMPLEK KEJURUTERAAN TRACTORS, PUCHONG, SELANGOR D.E.
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<tr>
<th>PROJECT TITLE / DESCRIPTION</th>
<th>END USER</th>
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</thead>
<tbody>
<tr>
<td>ONE UNIT 6.5MW GAS TURBINE COGENERATION SYSTEM FOR ACIDCHEM AT PRAI, PENANG - <strong>Sub-EPCC of Electrical System</strong></td>
<td>ACIDCHEM INTERNATIONAL SDN. BHD.</td>
</tr>
<tr>
<td>PP(M)SB Cogeneration Project and COGEN Expansion Project</td>
<td>✓ Petronas Penapisan (Melaka) Sdn Bhd</td>
</tr>
<tr>
<td>Plant Debottlenecking Project EPCC of Gas Turbine Cogeneration System</td>
<td>✓ Petronas Fertilizer (Kedah) Sdn Bhd</td>
</tr>
<tr>
<td>PROPOSED KR-1 Waste Water Treatment Plant Upgrade - Stage 1A</td>
<td>✓ Petronas Penapisan (Terengganu) Sdn Bhd</td>
</tr>
<tr>
<td>Engineering, Procurement, Installation and Commissioning (EPIC) of HRSG Boiler at Kertih Compressor Station in GPP Complex A, Kertih</td>
<td>✓ PETRONAS GAS BERHAD</td>
</tr>
<tr>
<td>Cogeneration/District Cooling Plant Project, Putrajaya Precinct 2 (Core Island), Stage 2, 3 &amp; 4.</td>
<td>✓ Gas District Cooling (Putrajaya) Sdn Bhd</td>
</tr>
<tr>
<td><strong>MELAKA PAHLAWAN POWER PLANT</strong> 2x148MVA GTGs and 1x146MVA STG - Electrical Network Study</td>
<td>PAHLAWAN POWER SDN BHD (467847-U) (Wholly–owned subsidiary of Powertek Berhad)</td>
</tr>
<tr>
<td>PROJECT TITLE / DESCRIPTION</td>
<td>END USER/MAIN CONTRACTOR</td>
</tr>
<tr>
<td>---------------------------------------------------------------------------------------------</td>
<td>---------------------------------------------------------------</td>
</tr>
<tr>
<td>Sultan Ismail Power Station, 900MW Combined Cycle Power Plant</td>
<td>✓ TENAGA NASIONAL BERHAD</td>
</tr>
<tr>
<td>Sultan Iskandar Power Station, 2x120MW Oil Fired Power Station</td>
<td>✓ TENAGA NASIONAL BERHAD</td>
</tr>
<tr>
<td>Sultan Ismail Power Station, 1x30MW Oil Fired Power Station (Final Extension)</td>
<td>✓ TENAGA NASIONAL BERHAD</td>
</tr>
<tr>
<td>Sultan Salahuddin Abdul Aziz Power Station, Phase II 2x300MW and Phase III 2x500MW Coal/Oil/Gas Fired Thermal Power Plant</td>
<td>✓ KAPAR ENERGY VENTURES</td>
</tr>
<tr>
<td>300MW Hulu Terengganu Hydro Power Plant</td>
<td>✓ TENAGA NASIONAL BERHAD</td>
</tr>
</tbody>
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Contents

REEEP Control And Automation
PERAKUAN PENDAFTARAN


No Pendaftaran: 0120141201-SL160188
Nama Kontraktor: REEEP CONTROL AND AUTOMATION SDN. BHD.
Alamat Berdaftar: NO. 12A-1, JALAN RIMBUNAN RAYA
                  LAMAN RIMBUNAN KEPONG
                  52100 KUALA LUMPUR
                  WILAYAH PERSEKUTUAN

Gred, kategori dan pengkhususan berdaftar:
G2 ME E04
G5 ME E05 E10 E11 E15 E16 E17 E03 M15 E18 E19 E21 E22 E24 E32

Tarikh Mula Berkuatkuasa: 01 DEC 2015
Tarikh Habis Tempoh Perakuan: 30 NOV 2016*

*Perakuan ini hendaklah diperbaharui setiap enam belas (16) bulan semenjak tarikh habis tempoh.

STATUS: AKTIF - Kontraktor yang diawardkan projek semasa perakuan pendaftaran ini diluluskan

( HAJI RAZUKI BIN IBRAHIM )
b.p. Ketua Eksekutif
DiterBIT: 09 NOV 2015
Borang Q (peraturan 75)

AKTA BEKALAN ELEKTRIK 1990

PERAKUAN PENDAFTARAN SEBAGAI KONTRAKTOR ELEKTRIK

Mengikut peraturan 75 Peraturan-Peraturan Elektrik 1994, Perakuan ini dikeluarkan kepada

REEEP CONTROL AND AUTOMATION SDN BHD (Nama syarikat)

dan memberi kuasa kepada pemegang untuk menjalankan perniagaan kerja elektrik sebagai Kontraktor Elektrik di:

10, JALAN 17/155C
BANDAR BUKIT JALIL
57000 KUALA LUMPUR
WILAYAH PERSEKUTUAN KUALA LUMPUR

(Alamat perniagaan dan cabang)

di bawah kelas:

<table>
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<tr>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
</table>

selama tempoh 5 tahun** dari tarikh dikeluarkan "diperbaharui" yang ditunjukkan di bawah:

Tarikh dikeluarkan / "diperbaharui" : 02/12/2013
Tarikh Habis Tempoh : 01/12/2018
Pendaftaran No. : (TKL)KE/968089V/2013
FI RM : 900

Ir. MUSTAPA B. ABU BAKAR
Pengerusi Kowasan
Suruhanjaya Tenaga
Kowasan Selangor & WP (KL & Putrajaya)

Suruhanjaya Tenaga
REEEP CONTROL AND AUTOMATION SDN. BHD. was incorporated on 11-11-11 by a team of energetic and experienced engineers. The company commits to provide a reliable, quality and safe work to clients.

REEEP is an acronym of RENEWABLE ENERGY AND ENERGY EFFICIENCY PARTNERSHIP. The company welcomes any corporation, company, energetic and experienced engineers to be partnering with us to form an integrated all-in-one business related with electrical, control and automation industry. The range of business includes product, system, project, engineering, installation & commissioning, training, operation and maintenance.

REEEP CONTROL AND AUTOMATION SDN. BHD. is in associated with REEEP GROUP SDN. BHD.. The objection is to extend the integrated all-in-one services and business.
<table>
<thead>
<tr>
<th>PROJECT TITLE</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SUBCONTRACTING WORK</strong></td>
<td>Panel Fabrication</td>
</tr>
<tr>
<td></td>
<td>- Sub-switch Board c/w Power Factor Regulator and capacitor bank</td>
</tr>
<tr>
<td></td>
<td>- Distribution Board</td>
</tr>
<tr>
<td></td>
<td>- Metering Panel</td>
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<tr>
<td><strong>INTERNAL PROJECT</strong></td>
<td>Panel Fabrication</td>
</tr>
<tr>
<td></td>
<td>- Motor Control Center</td>
</tr>
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<td></td>
<td>- System Control Panel</td>
</tr>
<tr>
<td></td>
<td>- Distribution Board</td>
</tr>
<tr>
<td>PROJECT TITLE / DESCRIPTION</td>
<td>ULTIMATE OWNER / CLIENT</td>
</tr>
<tr>
<td>-------------------------------------------------------------------------------------------</td>
<td>----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>KOSSAN RUBBER ENERGY CONSERVATION PROJECT - MOTOR CONTROL CENTRE OF GAS ENGINE COMBINED</td>
<td>KOSSAN RUBBER INDUSTRIES BHD. /</td>
</tr>
<tr>
<td>HEAT POWER COGENERATION SYSTEM</td>
<td>MACKENZINE INDUSTRIES SDN. BHD.</td>
</tr>
<tr>
<td>- Design and Supply Control Panel for Heat Recovery System (MCC-COGEN): Three Sets</td>
<td></td>
</tr>
<tr>
<td>- Cabling Work for MCC-COGEN outgoing circuits</td>
<td></td>
</tr>
<tr>
<td>ONE UNIT 6.5MW GAS TURBINE COGENERATION SYSTEM FOR ACIDCHEM AT PRAI, PENANG</td>
<td></td>
</tr>
<tr>
<td>- Design and Built Electrical System</td>
<td></td>
</tr>
<tr>
<td>- Electrical Sub-contracting Work</td>
<td></td>
</tr>
<tr>
<td>- Integrate the whole COMPLEX to be one network</td>
<td></td>
</tr>
<tr>
<td>- Power Measurement of the Existing TNB Intake Supply (1 x 33kV and 2 x 11kV)</td>
<td></td>
</tr>
<tr>
<td>=&gt; Generate Profiles (Voltage, Frequency, Power Factor, Power Demand, Energy Consumption);</td>
<td></td>
</tr>
<tr>
<td>Report and Recommendation</td>
<td></td>
</tr>
<tr>
<td>ACIDCHEM INTERNATIONAL SDN. BHD. /</td>
<td></td>
</tr>
<tr>
<td>SIME DARBY OFFSHORE ENGINEERING SDN. BHD.</td>
<td></td>
</tr>
<tr>
<td>PROJECT TITLE / DESCRIPTION</td>
<td>ULTIMATE OWNER / CLIENT</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>------------------------</td>
</tr>
<tr>
<td>TOP GLOVE FACTORIES (No.3, 22 and 25) ENERGY CONSERVATION PROJECT FOR THE EPCC OF GAS ENGINE COMBINED HEAT POWER COGENERATION SYSTEM  - Design and Supply Control Panel for Heat Recovery System (MCC-COGEN)</td>
<td>TOP GLOVE SDN. BHD. / MACKENZINE INDUSTRIES SDN. BHD.</td>
</tr>
<tr>
<td>UP KEEPING WORK  - Rectification work of capacitor bank  - Technical Audit of Electrical Installation  - Cabling Work and Network Diversion  - Supply and Install Emergency light &amp; Keluar Sign</td>
<td>STANTA MAUSER (MALAYSIA) SDN. BHD.</td>
</tr>
<tr>
<td>TOP GLOVE FACTORIES (No.21, 22 and 25) ENERGY CONSERVATION PROJECT Re - SCADA for Electrical Network Monitoring and Control (TNB+ CHP System)</td>
<td>Client: GMP MEDICARE SDN. BHD.</td>
</tr>
<tr>
<td>PROJECT TITLE / DESCRIPTION</td>
<td>ULTIMATE OWNER / CLIENT</td>
</tr>
<tr>
<td>-----------------------------------------------------------------</td>
<td>--------------------------------------------------------------</td>
</tr>
<tr>
<td>PENANG AIRPORT EXPANSION</td>
<td>CONSULTANT: ZAIDUN LEENG SDN. BHD.</td>
</tr>
<tr>
<td>- Technical Manpower Support (Supervisor)</td>
<td></td>
</tr>
<tr>
<td>PANASONIC PROJECT, KULIM</td>
<td>CONTRACTOR: TEMACON ENGINEERING SDN. BHD.</td>
</tr>
<tr>
<td>- Technical Manpower Support (Senior Engineer)</td>
<td></td>
</tr>
<tr>
<td>Design And Built Additional Distribution System</td>
<td>Client: GMP MEDICARE SDN. BHD.</td>
</tr>
<tr>
<td>– Supply and Install 1600Amp 4P SSB</td>
<td></td>
</tr>
<tr>
<td>– Supply and Install Submain Cable</td>
<td></td>
</tr>
<tr>
<td>– Commissioning the system</td>
<td></td>
</tr>
<tr>
<td>Design And Built Additional Distribution System</td>
<td>Client: STANTA MAUSER (MALAYSIA) SDN. BHD.</td>
</tr>
<tr>
<td>– Asses Existing Faulty DC Charger System</td>
<td></td>
</tr>
<tr>
<td>– Replace, Supply and Install New System</td>
<td></td>
</tr>
<tr>
<td>– Commissioning the system</td>
<td></td>
</tr>
<tr>
<td>– GMP MEDICARE SDN. BHD.</td>
<td></td>
</tr>
<tr>
<td>– TG MEDICAL SDN. BHD.</td>
<td></td>
</tr>
<tr>
<td>PROJECT TITLE / DESCRIPTION</td>
<td>ULTIMATE OWNER / CLIENT</td>
</tr>
<tr>
<td>------------------------------------------------------</td>
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</tr>
<tr>
<td>TANJUNG BIN POWER PLANT WATER TREATMENT</td>
<td>Client: Prominent Fluid Control</td>
</tr>
<tr>
<td>- Chemical Dosing skid Control Panels</td>
<td></td>
</tr>
<tr>
<td>BLUESCOPE STEEL DOLPHIN PROJECT</td>
<td>Client: Spektra Watertech</td>
</tr>
<tr>
<td>- Electrical installation and cabling works</td>
<td></td>
</tr>
<tr>
<td>PROJECT TITLE / DESCRIPTION</td>
<td>ULTIMATE OWNER / CLIENT</td>
</tr>
<tr>
<td>-----------------------------</td>
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</tr>
<tr>
<td>ADVANTECH PRODUCT</td>
<td>Client:</td>
</tr>
<tr>
<td>- Wedaccess (Centralized Control Programming Language)</td>
<td>- Internal Project Sale</td>
</tr>
<tr>
<td>- Industrial Panel Computer with Touch Screen</td>
<td>- DATACON INTEGRATION SDN. BHD.</td>
</tr>
<tr>
<td>- Input / Output Module (Analogue and Digital)</td>
<td>- etc</td>
</tr>
<tr>
<td>ICT PRODUCT</td>
<td>Client:</td>
</tr>
<tr>
<td>- LENOVO Notebook</td>
<td>- Internal Project Sale</td>
</tr>
<tr>
<td>- Autodesk AUTOCAD LT 2013</td>
<td>- PROFMECH ENGINEERING SDN. BHD.</td>
</tr>
<tr>
<td>- ASUS Notebook</td>
<td>- Etc</td>
</tr>
<tr>
<td>- Acrobat PDF writer</td>
<td></td>
</tr>
<tr>
<td>WAGO PRODUCT</td>
<td>Client:</td>
</tr>
<tr>
<td>- Programmable Logic Controller</td>
<td>- Internal Project Sale</td>
</tr>
<tr>
<td>- Input / Output Module (Analogue and Digital)</td>
<td>- DATACON INTEGRATION SDN. BHD.</td>
</tr>
<tr>
<td></td>
<td>- etc</td>
</tr>
</tbody>
</table>
THANK YOU

E-mail Address: reeepgroup@gmail.com
E-mail Address: enquiry@reeepgroup.com
Website: www.reeepgroup.com
Name: LIM KIM TEE  
(DARJAT JELITA S/B)

Executive Summary:

- Experience: 33 Years
- Discipline: Civil and Structural
- Type of Project: Cogeneration/District Cooling Plant, Factory, Hotel, Commercial Building, Infrastructures, STP, Reservoir and Residential Development
- System: Reinforced Concrete, Structural Steel, All types of Piling, Precast, Basement,
- COGEN Projects: PFK; PPMSB; PJP2; UTP; KLCC; more than 10 other COGEN projects: tender/studies/proposal

Nationality: Malaysian

Achievements:

- Diploma in Building Technology, TARC
- Associates Member of Chartered Institute of Building, UK.
- Member of Chartered Institute of Building, Malaysia.

Education:

Tunku Abdul Rahman College  
Diploma: Building Technology - 1978  
Major: Construction Management
Name: Mr. CHONG YAU YANG

Executive Summary:

- **Experience:** 6 Years
- **Discipline:** Process & Piping
- **Type of Projects:** Power plant, Cogeneration Plant & Utilities Plant
- **System:** Piping, Pipe Stress, Hydraulics, Steam/Water Process Design & rotating equipment.
- **Software competency:**
  - AutoPIPE Pipe Stress analysis
  - Autocad

Nationality: Malaysian

Professional Affiliations:
- Member of Board of Engineers Malaysia (BEM)

Education:
- Multimedia Universiti,
  - B. Eng (Hons) in Mechanical Engineering - 2007