General Presentation
- **Company information**
  - Malaysian incorporated in 2004
  - Paid Up Capital RM 10 million
  - Licensed by
    - Petronas (License No. L-649694-V)
    - Ministry of Finance (MOF)
    - Tenaga Nasional Berhad (TNB), Gas Malaysia
    - CIDB
  - Certification
    - DOSH and DOE
    - ISO 9001:2008 & 17025
    - R&D: UMP – Hg Treatment (Mechanical & Bacteria)

**Kuala Lumpur Office**
Block B, Unit 3A-6, Megan Avenue 2, Jalan Yap Kwan Seng, 50450 Kuala Lumpur Malaysia.  
Tel: 03 2164 3401   Email: hamidon@udps.com.my

**Kemaman Operation Office:**
No 6976, Bukit Kuang Business Centre, 24007, Bukit Kuang, Kemaman, Terengganu Darul Iman.  
Tel: +6 (09) 858 2753   Fax: +6 (09) 850 2907   Email: udps.udps.com.my

Office locations
UDPS Sdn Bhd

UDPS SDN BHD – brief growth story

COMPETENCIES


• Water Injection Services
• Water Injection Commissioning Services
• Training Services

• Mercury HAZMAT
• Catalyst Change Out
• Vessel Cleaning
• Laboratory Services
• DOSH certification

• Process chemicals
• EPCC Process Equipment
• Enhanced Oil Recovery

• Rental Services
• Safety Equipment Apparel
• Integrated Waste Management

UDPS Sdn Bhd
CERTIFIED TO ISO 9001:2008
CERT. NO : AR 4892
UDPS

Products and Services
UDPS business consist of 3 core businesses:

**Engineered Equipment Packages**
1. Water System
2. Gas System
3. EPCC based packages

**Field Development Support Services**
1. Supply Chain Management
2. Mobile Process Systems

**Specialized Products and Services**
1. Integrated Mercury Services
2. Integrated Waste Management
3. Integrated Catalyst Handling
Core Business – PROCESS EQUIPMENT PACKAGES

Our Products
Water Systems
• Seawater Coarse/Fine Filtration
• Seawater Vacuum Deaeration
• Produced Water Treatment Systems
• Hypochlorite Generation

Heat Exchange System
• Water Bath Heater
• Combustion Heaters And Burner
• Electric Heater
• HP & LP Separators

Gas Systems
• Glycol (TEG, MEG or DEG) Dehydration
• Fuel Utility/Gas Conditioning/Treatment
• CO₂ Removal

Engineering
• Cost Estimation And Budget Preparation For Upstream Oil And Gas Industry.
• Process Study And Hazop
• TEMA Design For Heat Exchangers And Air Cooler
• Procurement Assistance Services
• Detail Engineering Manpower And Technical Specialist Support.
• Supply Of Project Management & Technical (PMT) Services
Core Business – INTEGRATED WASTE MANAGEMENT

1.0 Integrated Mercury Management Services
• Mercury Waste Handling & Packaging, Waste/Water Treatment (Contaminated Hg)
• Vessel/Tank Cleaning – Prior Inspection
• Hazmat Mercury Supervision
• Supply Waste Handling Equipment

2.0 Integrated Waste Management Services
• Waste water treatment, Sand cleaning system, Chemical handling
• Laboratory services

3.0 Specialized Training Services
• Hazardous Material handling training
• Confined Space Training
• Mercury Handling Training

4.0 Integrated Catalyst Loading / Unloading Management Services
• Full PMT and logistics for Catalyst Loading and Unloading activities
• Mercury Handling
1.0 **Enhanced Oil Recovery Support Services**
- Skid Based pumping system (including tanks) for Chemical Enhanced Oil Recovery Service

2.0 **Water Injection Facilities Management**
- Integrated water injection system management Upgrades and rejuvenation works

3.0 **Mobile Water Injection System uSTREAM WIM™**
- Fit-for-purpose to inject treated and filtered seawater for short periods without compromising safety.
- Mobile and able to service multiple offshore platforms and optimize timing of injection into reservoirs
- Flexible system to meet the stringent platform foot print.
- Is cost efficient and commercially attractive to service small fields.
- Fully integrated independent system comes with the portable laboratory and injection tanks.
UDPS CORE COMPETENCIES AND FACILITIES
CAPABILITIES - Engineering

PROJECT MANAGEMENT
- Project Control Project Scheduling and Cost Planning
- Interface & Coordination with 3rd Party Services
- Contract Administration
- QA/QC System Cost Estimating
- Field Development (Budgetary)
- Specific Costing (design, fabrication & installation)
- Overall Project Costing
- CAPEX / OPEX

PROCESS ENGINEERING
- Process System Simulation
- PFDs, UFDs and P&IDs Development
- Safe Chart and Cause & Effect Matrix
- Process Flare/Venting Study
- Safety Case
- HAC Preparation
- Facilitate HAZOP
- Facilitate Dynamic Simulation
- Material Selection Study
- Start-Up, Commission & Operating Procedures
- System Design and Sizing, i.e. Comp Stn, Gas Dehy’dt, CO2 Removal Sys, De-Bottlenecking, etc
- As-Built Exercise

MECHANICAL AND PIPING
- Rotating & Static Equipment design And Sizing
- Preparation of Specifications and TBE/VDI/VDR
- Equipment Layout and Elevations
- Safety Escape Route and Safety Appliances Drawings
- PDMS and Piping GAS
- Isometric and MTO
- Pipe Stress analysis and Pipe Supports
- Material Handling Study
- HVAC System Design
- Piping and Equipment Weight Estimate
- Consolidated MTO and costing
- Upgrade and Modification Work
- Shop Drawings, As-Built Exercise

INSTRUMENTATION AND CONTROLS
- System Design and Sizing
- Preparation of Specifications and TBE / VDI / VDR
- Distributed Control System (DCS)
- SCADA and Remote Operation System
- Programmable Logic Controller (PLC) System
- Operator Interface (OI) Human Machine Interface (HMI)
- Electronic Flow Measurement/Metering/Custody Transfer
Training & Consultancy

- Comprehensive Hazmat Hg Training
- Catalyst Loading & Unloading Training
- Rescue Team Training
- BTX & H2S Training
- Water Injection Training
- Laboratory Training
- CPR & First Aid Training
- Technical Training

Laboratory Services

- Laboratory Testing
  - Effluent Discharge Quality (EDQ)
  - Solid & Hazardous waste characteristic
  - Soil & Water
  - Heavy metal trace
  - Lubricant & Fuels analysis
  - Crude oil, condensate & gas analysis

- Mapping & baseline
  - Mercury
  - H2S
  - Mercury in gas vessel continuous monitoring
  - Mercury Ambient Air

- Biological analysis
  - Urine Mercury
  - Blood Mercury
  - Urine SPMA for BTX Trace
  - Blood Lead

- At-site sampling & analysis
  - pH
  - Turbidity
  - Oil in water
  - Mercury & H2S
  - BSW
  - HACH Method & others
UDPS SDN BHD – Example of UDPS Equipment

30m³ separation tank
100bbl storage tank
10ft & 20ft cargo basket
125bbl storage tank
Air Compressor

Water Jet
Air Manifold
Air Ductor
Body hardness
Cyclone Unit

IBC Tank
Safety Box
Cylinder Rack
Diagram Pump
Pressure Water Jet

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Our main fabrication facilities is catered for small to medium sized process skids. Pressure vessels for the process skids are secured from approved third party.
Experience and Capable

- Proven Track Record
- Financial Support
- Extensive manpower resources

We have the Technical Capability:

- Experienced Malaysian technical personnel for engineering, operations & project management
- Range of Services covers almost all spectrum of oil and gas industry
- Established International business contacts and support for the services offered

We have the Infrastructure:

- Support services and asset located the oil and gas hotspots.

We have the Commitment:

- High level commitment towards value creation for client
- Attentive towards maximizing local content (in accordance to the host country)