



COMPANY PROFILE



Unit Concept Sdn Bhd (519646-M)

No 7, Jalan Astaka U8/83,
Bukit Jelutong Industrial Park,
40150 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: 603-78456082/6048 Fax: 603-78458267

About Us

The company was incorporated in May 2000 specializing in engineering, and currently provides engineering and IT solutions for the oil and gas, power, infrastructure, industrial, petrochemical and IT sectors.

We employ cutting edge products combined with quality engineering and services in our solutions. Our quality organization have been recognized and certified to ISO9001:2015 Quality Assurance by Bureau Veritas.

We provide quality end to end services from design, engineering, procurement, fabrication, programming, construction and commissioning of various small to medium size EPCC projects.

The company currently employs more than 50 engineers. They are highly qualified professionals, well-trained and capable of working in hazardous areas. We also have qualified engineers that are certified by TUV Rheinland, IECEx, etc.

Presently, the company occupies a 3-factory-lot, offering in total 18,000 ft² of office and testing space at Bukit Jelutong, Shah Alam.



Unit Concept Sdn Bhd (519646-M)

No 7, Jalan Astaka U8/83,
Bukit Jelutong Industrial Park,
40150 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: 603-78456082/6048 Fax: 603-78458267





Unit Concept Sdn Bhd (519646-M)

No 7, Jalan Astaka U8/83,
Bukit Jelutong Industrial Park,
40150 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: 603-78456082/6048 Fax: 603-78458267

Contact Details

Company: Unit Concept Sdn Bhd (519646-M)
Address: No 7, Jalan Astaka U8/83,
Bukit Jelutong Industrial Park,
40150 Shah Alam,
Selangor Darul Ehsan,
Malaysia.
Tel: +60-3-7845-6082
Fax: +60-3-7845-8267
Website: www.unitconcept.com
Email: sales@unitconcept.com





Unit Concept Sdn Bhd (519646-M)

No 7, Jalan Astaka U8/83,
Bukit Jelutong Industrial Park,
40150 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: 603-78456082/6048 Fax: 603-78458267

Process Control System

Unit Concept has designed, developed, tested, installed and commissioned more than 200 systems from the time of its inception. Our team provides solutions to oil & gas, infrastructure, power, industrial and petrochemical industries, helping customers to boost productivity, maximize plant efficiency, improve production quality, protect people, plant asset and the environment.

Our services include:

1. Distributed Control System
2. SCADA, HMI and PLC system
3. Manufacturing Execution System
4. Batch and recipe management
5. Control panel design & fabrication
6. Certified zone 2 control panel design & fabrication





Unit Concept Sdn Bhd (519646-M)

No 7, Jalan Astaka U8/83,
Bukit Jelutong Industrial Park,
40150 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: 603-78456082/6048 Fax: 603-78458267

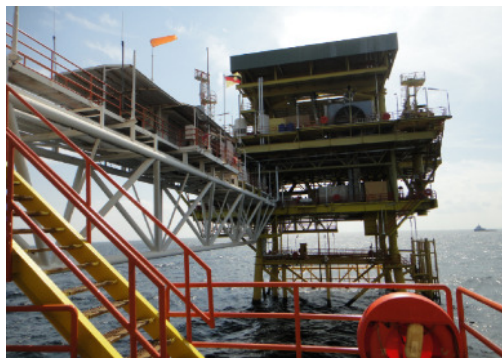
Safety Instrumented System

Our Safety Instrumented System solutions are delivered and supported in accordance with the strictest current safety standards. IEC 61508 is fully implemented. The quality assurance programs applied to manufacturing, engineering and installation meet the highest conceivable standards, ensuring that the system always satisfy the applicable safety requirements.

To maintain absolute safety functionality, the IEC 61511 compliant safety plan shall specify procedures and routines for all activities related to the system throughout its lifetime, including training, system operation, service and maintenance, reprogramming and upgrading. We stay with our systems and always guarantee full support.

Our system safety features are certified by TUV Rheinland for the following applications:

1. Emergency shutdown system
2. Fire and gas system
3. Burner management system
4. Boiler protection system





Unit Concept Sdn Bhd (519646-M)

No 7, Jalan Astaka U8/83,
Bukit Jelutong Industrial Park,
40150 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: 603-78456082/6048 Fax: 603-78458267

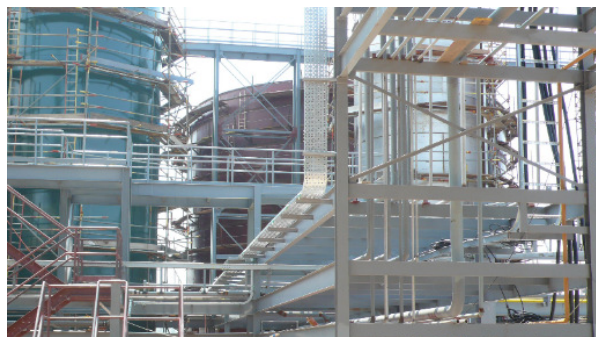
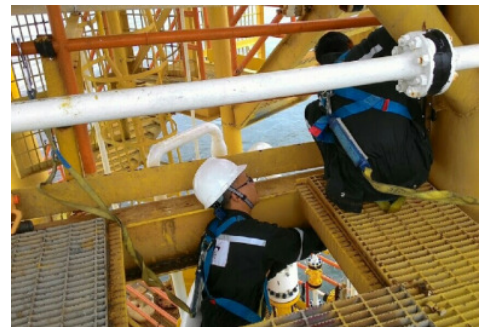
Electrical and Instrumentation

In an automated environment, a control system monitors and controls the process via monitoring and control loops. The monitoring loops include the field instrument, cabling, junction boxes, and marshalling cabinetry, the impulse lines connecting air to control valves, the tubing works connecting pressure points to transmitters, etc.

The control loops include control equipment (valves, pumps, conveyors, etc), cabling, junction boxes, Motor Control Center (MCC) and marshalling cabinetry. Electrical and Instrumentation (E&I) work refers to the works (design, procurement, fabrication, installation, commissioning) carried out to complete the above requirements.

Our services include:

1. Instrumentation design
2. Electrical system design
3. Procurement and fabrication
4. Installation and commissioning





Unit Concept Sdn Bhd (519646-M)

No 7, Jalan Astaka U8/83,
Bukit Jelutong Industrial Park,
40150 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: 603-78456082/6048 Fax: 603-78458267

Manufacturing

Manufacturing for Unit Concept Solutions started since its incorporation but due to space limitation, it was done at a smaller scale. In 2011, we moved into a bigger facility thus allowing us to further expand our assembly & manufacturing business. Below is the current size of our existing facility.

Air-conditioned Staging Area: 1600 sq.ft.
Warehouse Indoor : 3700 sq.ft.
Warehouse Outdoor : 1600 sq.ft.

We have the capability to fabricate, assemble, test the following solutions in our warehouse.

- i. LV, Swithgear & MCC Panel
- ii. Well Head Control Panel
- iii. Fusible Plug Loop Panel
- iv. Valve Testing & Assembly



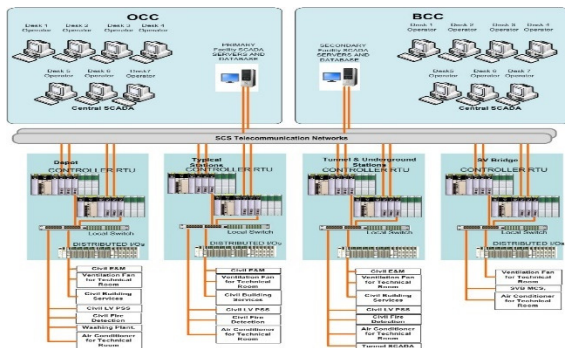


Unit Concept Sdn Bhd (519646-M)

No 7, Jalan Astaka U8/83,
Bukit Jelutong Industrial Park,
40150 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: 603-78456082/6048 Fax: 603-78458267

Building Management System/Facilities Control

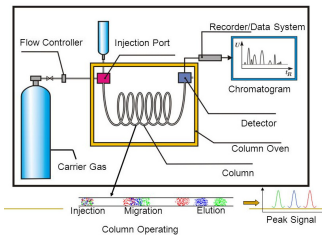
Macau's LRT project (21 stations) was awarded to us in 2012. The work scope includes panel design, configuration of Hot-standby PLC, development of F-Scada I/O & Historian Server. System Integration includes Power Monitoring, Fire Control Panel, Fan/Ventilation/HVAC control, Lighting Control, Roller Shutters, Lifts and Escalators delivered through Schneider's EcoStruxure Platform. We have since then also executed similar systems for Malaysia MRT Project (SBK Line 31 Stations - Sungai Buluh to Kajang) for 7 Underground Stations





Unit Concept Sdn Bhd (519646-M)

No 7, Jalan Astaka U8/83,
Bukit Jelutong Industrial Park,
40150 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: 603-78456082/6048 Fax: 603-78458267



Analyzer

Analyzer Solutions has been one of Unit Concept's pioneer engineering solutions since its inception and we have successfully delivered over 100 Analyzers Solutions. Our engineers are manufacturer trained (Level 1 and Level 2) and we are currently servicing both local and overseas clients via maintenance contracts.

- i. Onshore : Petronas Gas, Gas Malaysia, MLNG, Petro-Chemical Plants/Refineries, TNB, IPPs, General Industries
- ii. Offshore : Petronas Carigali, Shell, Exxon Mobil, CPOC, Well Test Monitoring System
- iii. Projects : Turnkey Analyzer Revamp Project involving Amadas, Process Gas Chromatograph, Distributed Control System, Sampling Conditioning System, Analyzer House & Analyzer Shelters.





Unit Concept Sdn Bhd (519646-M)

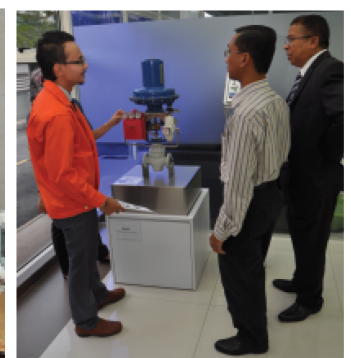
No 7, Jalan Astaka U8/83,
Bukit Jelutong Industrial Park,
40150 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: 603-78456082/6048 Fax: 603-78458267



Service and Support

Our Service and Support Department is providing the following after sales services and support to our clients. We offer support ranging from telephone support to immediate mobilization to site to troubleshoot or to perform replacement. We are also able to train our customers to be the frontline in a typical service and support plan.

- i. System & Product Support. i.e. testing, troubleshooting, repair, and replacement.
- ii. System & Product Training
- iii. System & Product Migration
- iv. Preventive & Reactive Maintenance Contract.





Unit Concept Sdn Bhd (519646-M)

No 7, Jalan Astaka U8/83,
Bukit Jelutong Industrial Park,
40150 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: 603-78456082/6048 Fax: 603-78458267

Products

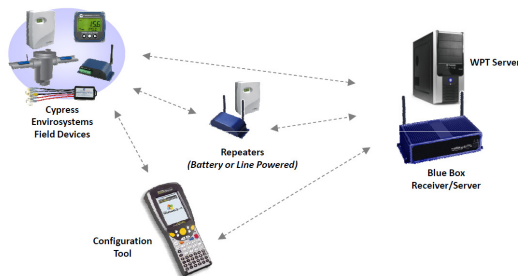
ABB Process Automation



800xA Process Automation

1. Process Control
2. Electrical Control
3. Safety Systems
4. ESD & F&G Systems
5. SCADA
6. Information Management
7. Asset Management
8. Batch & Recipe Management

Cypress EnviroSystems Wireless Products



Wireless Monitoring Devices

1. Wireless Gauge Reader
2. Wireless Pneumatic Thermostat
3. Wireless Steam Trap Monitor
4. Wireless Transducer Reader
5. Wireless Freezer Monitor
6. Wireless Battery Monitor



Unit Concept Sdn Bhd (519646-M)

No 7, Jalan Astaka U8/83,
Bukit Jelutong Industrial Park,
40150 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: 603-78456082/6048 Fax: 603-78458267

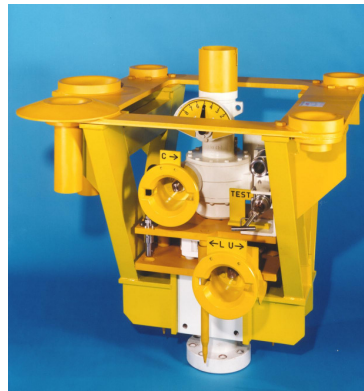
Products

Koso Kent Introl Products



Control Valves

1. Control Valves (Severe/Normal Service)
2. Choke Valves (HPHT)
3. Subsea Valves



Advanced Actuators Ltd Products



Actuators

1. Hydraulic & Pneumatic
2. Linear, Semi-Rotary, Multi-turn or Stepping
3. Weatherproof, Intrinsically Safe & Explosion proof





Unit Concept Sdn Bhd (519646-M)

No 7, Jalan Astaka U8/83,
Bukit Jelutong Industrial Park,
40150 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: 603-78456082/6048 Fax: 603-78458267

Products

Schneider Electric EcoStruxure Architecture



Automation Products

1. Programmable Logic Controllers (PLCs)
2. SIL 3 Safety PLCs
3. Remote Input/Output Modules
4. Vijeo Citect SCADA / Historian
5. Industrial PCs / TouchScreen Panels
6. Andover Continuum BEMS
7. TAC Vista BEMS
8. Satchwell BEMS
9. I/A Series Control Solutions
10. Power Monitoring and Control
11. Valves, actuators and sensors





Unit Concept Sdn Bhd (519646-M)

No 7, Jalan Astaka U8/83,
Bukit Jelutong Industrial Park,
40150 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: 603-78456082/6048 Fax: 603-78458267

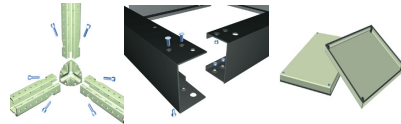
Products

Logstrup Products



Electric Panels

1. LV Panels
2. Switchgears
3. MCC Panels





Unit Concept Sdn Bhd (519646-M)

No 7, Jalan Astaka U8/83,
 Bukit Jelutong Industrial Park,
 40150 Shah Alam,
 Selangor Darul Ehsan, Malaysia.
 Tel: 603-78456082/6048 Fax: 603-78458267

Products

WebConcept Information System



ENGINEERING SOLUTIONS
 We have strong engineering capabilities to undertake various process control & electrical projects, providing full range of services which include customisation according to individual project requirement, site installation, testing and commissioning.



WebConcept SCLADA is a web-based (Internet ready) control and monitoring solution for Control System | Designed from ground up for Web Services-based architecture running on latest Microsoft operating systems, Accessing browsers (IE, Microsoft 7 and Windows Server 2008) | Leveraging on Microsoft.NET framework to ensure portability and stability | Modular based design for extensibility and customer operators can be added to the system via user components | Small and clean user interface for maximum throughput and fast multipoint-to-point link.

Unit Concept Sdn. Bhd.
 7, Jalan Astaka U8/83,
 Bukit Jelutong Industrial Park,
 40150 Shah Alam,
 Selangor Darul Ehsan,
 Malaysia.
 Tel: 603-78456082 & 603-78458267
 www.unitconcept.com

Web Based HMI solutions that work for your business.
 THE SOLUTION FOR HMI MONITORING & CONTROL SYSTEMS

flexible solutions for your business needs

HMI SUPPORT

- FULLY MALAYSIAN SOURCE PRODUCT
- FULLY MALAYSIAN LOCAL SUPPORT

CONTACT

1 Tag Server - Manage the integrity and process of ingredients required | I/O Manager - interface between the receiving operations tag and the external I/O device | Station Manager - provides status, logging, services for other components | Alarm Server - provides efficient user readable alarm system | Incident Server - provides reporting services in simple text format and full detail graphical based report | Data Component Manager - Controls distribution of user components which are downloaded based on the operation.

FEATURES

- Customizable alarm system running on the same platform | Easy server configuration using OAC, complete system | Templates for common user areas, in logging, monitoring, alarm response, etc | Web enabled Application Program Interface (API) for enabling new modules/operations.

CUSTOM SOLUTIONS
 Web enabled user can be customised to fulfil clients requirement and expectations. We have also implemented a system that is able to perform using operations using with data scheduling for Oil and Gas Industry.

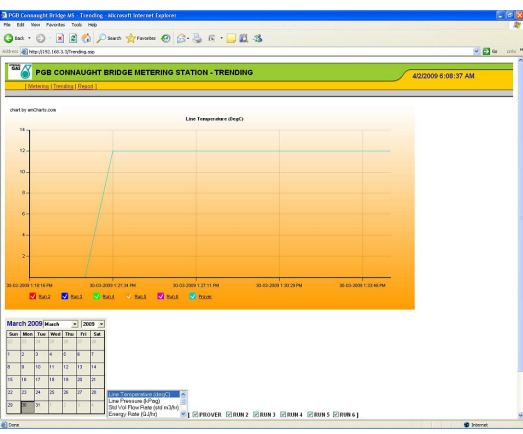
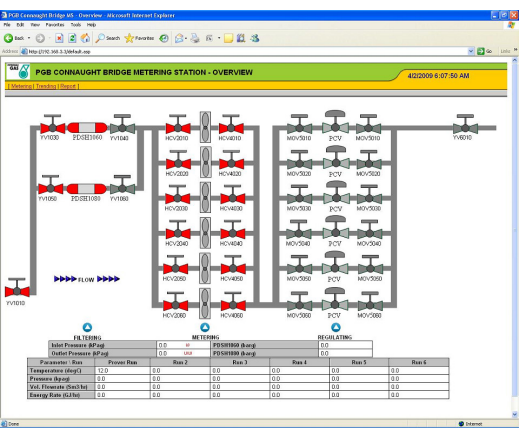
WEB SOLUTIONS
 No client access is required as industry standard web browsers, i.e. Internet Explorer, Google Chrome and Apple Safari can be used to access the entire system. Some controls can be viewed from standard PDA, Smartphones & Tablets.

COMMUNICATIONS
 Currently can communicate with external devices via:

- Modbus (RTU & ASCII)
- Modbus TCP
- OPC (OLE DB & ODBC)
- DCS

Web-Based HMI System

1. Web-based Information System





Unit Concept Sdn Bhd (519646-M)

No 7, Jalan Astaka U8/83,
Bukit Jelutong Industrial Park,
40150 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: 603-78456082/6048 Fax: 603-78458267

Products

R Stahl Explosion Protection Products

Explosion Protection by R. STAHL

Your Safety - Our Reality



Safety Barriers

[General](#) | [Engineering](#) | [Single-Channel-Safety Barriers](#) | [Dual-Channel-Safety Barriers](#)



Lighting

[Light Fittings for Fluorescent Lamps](#) | [Emergency Light Fittings](#) | [Bulkhead Light Fittings](#) | [Pendant Light Fittings](#) | [Floodlights](#) | [Hand Lamps](#) | [Emergency Lighting Technology](#) | [Helideck Systems](#)



Isolators

[Ex i Isolators](#) | [Non-Ex i Isolators](#) | [System Integration \(Backplane Solution\)](#)



Installation Equipment

[Installation Switches](#) | [Junction Boxes](#) | [Terminal Boxes](#) | [Plugs and Sockets](#) | [Plug Connectors](#) | [Connection Technology for Data Networks](#)



Fieldbus Technology

[General](#) | [Fieldbus Modules](#) | [Fieldbus System Solutions](#) | [Software & Drivers](#)



Signalling Devices

[Visual Signalling Devices](#) | [Audible and Visual Signalling Devices](#) | [Audible Signalling Devices](#)



Components for System Solutions

[Ex d Technology](#) | [Ex e Technology](#) | [Components for use in Ex d and Ex e Enclosures](#)



Applications Low Voltage Systems

[Power Distribution](#) | [Lighting and Heating Panels](#) | [Machine Controls](#) | [Battery Boxes](#) | [UPS](#) | [Pressurized Apparatus](#)

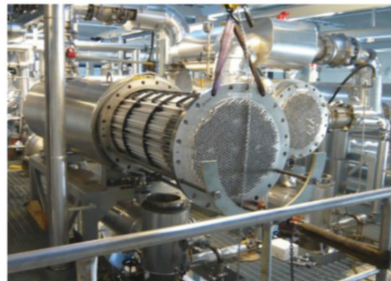


Unit Concept Sdn Bhd (519646-M)

No 7, Jalan Astaka U8/83,
Bukit Jelutong Industrial Park,
40150 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: 603-78456082/6048 Fax: 603-78458267

Products

Sulzer Process Technology



Process Technology

1. Distillation and absorption
2. Crystallization
3. Liquid – liquid extraction
4. Film evaporation
5. Membrane separation
6. Polymer technology