

EXACT OIL & GAS SDN BHD

EXACT ANALYTICAL SDN BHD



Health, Safety and Environment
(HSE)



Process Analytics
(PA)



Continuous Emission Monitoring
System (CEMs)

Specialist in Total Solutions
Fire & Gas Detection Systems
Gas & Liquid Analysers
Continuous Emission Monitoring Systems (CEMs)

CERTIFIED
ISO 9001:2015
ISO 14001: 2015
ISO 45001: 2018



A Member of
MUHIBBAH
ENGINEERING (M) BHD

A Subsidiary of

FAVELLE
FAVCO

Exact

A Licensed PETRONAS Vendor



EXACT OIL & GAS SDN BHD

Exact Oil & Gas Sdn Bhd (EOGSB) is a company awarded license by Petroliaam Nasional Berhad (PETRONAS) primarily to do business for oil and gas industry in Malaysia.

Since the establishment in year 2012, we have been recognised by the Malaysia oil and gas players as a reputable organisation that can provide analytical instrumentation for quality measurement. In addition, we are seen by the oil and gas industry clients as a major service provider in Health, Safety and Environment equipment.

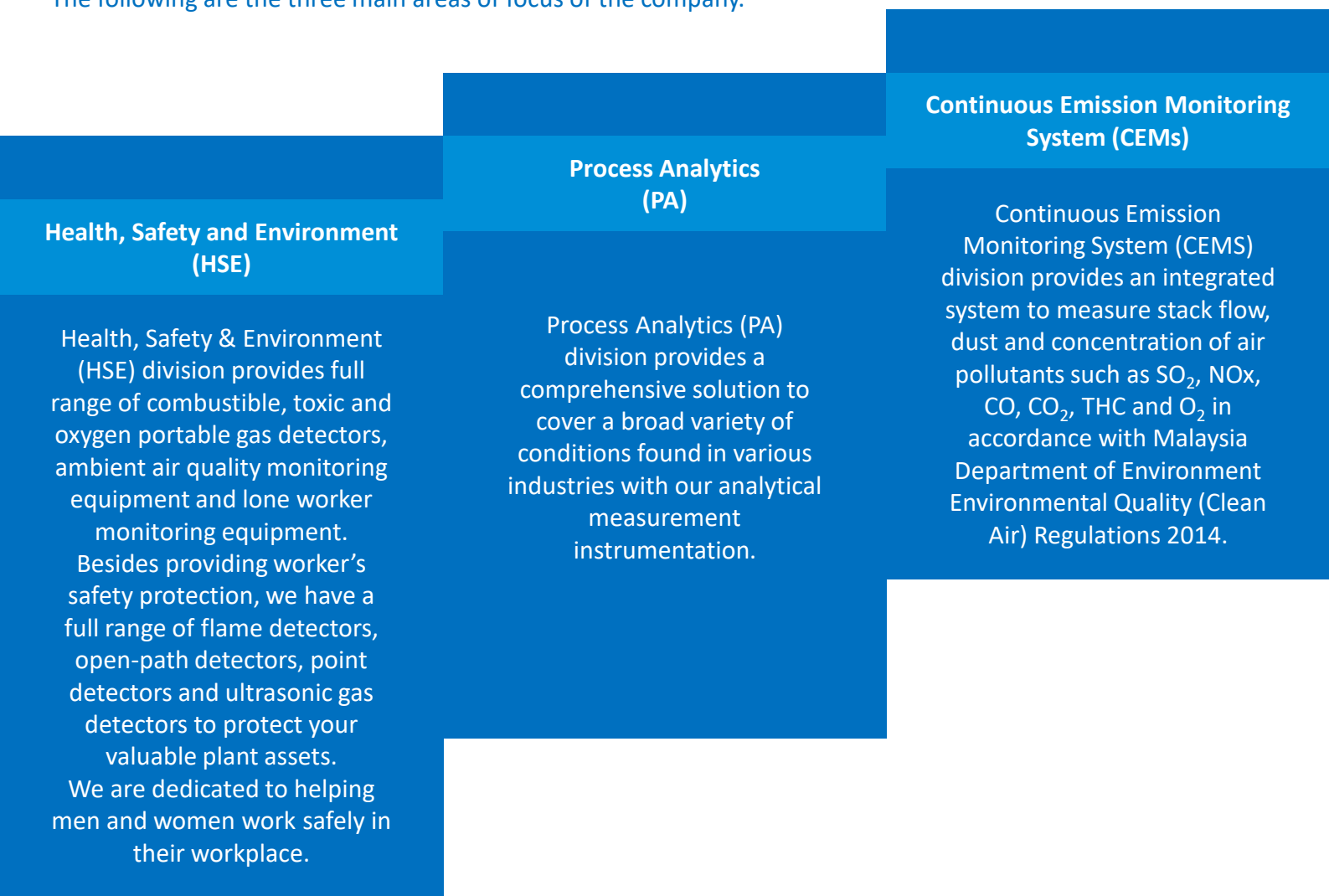
Our personnel are factory trained and certified to provide a complete solution from engineering, supply, installation and start-up assistance including trouble shooting and after sales service support.

EXACT ANALYTICAL SDN BHD

Exact Analytical's principal business is in analytical and fire & gas detection systems, and comprises the supply, installation, commissioning and training for these systems.

The emphasis of Exact Analytical is on technical competence and quality. We began operation in April 2000, supplying zirconia oxygen analysers for flue gas monitoring. After years of working with plant analyser specialists, we are now able to provide integrated analyser systems for gas and liquid measurements, stack emission monitoring, and fire & gas detection systems.

The following are the three main areas of focus of the company.



HSE DIVISION

Portable Gas Detectors



SINGLE GAS DETECTORS



BW Clip Series (Maintenance Free)
 H_2S , CO, O_2 , SO_2 – 2 years;
 H_2S , CO – 3 years



BW Solo
 H_2S , CO, O_2 , NH_3 , SO_2 , HCN, Cl_2 , NO, NO_2 , PH_3 , ETO, ClO_2 , O_3 , H_2

MULTI-GAS DETECTORS



GasAlertMicroClip Series
 H_2S , CO, O_2 , %LEL



BW Flex 4/5 (Up to 5 gases)
 LEL-IR, NDIR- CO_2 , LEL-CB-F, LEL-CB-UF, O_2 , H_2S , COSH, CO, CO-H, SO_2 , NO, NO_2 , HCN, Cl_2

MULTI-GAS DETECTORS FOR CONFINED SPACE ENTRY



GasAlertMaxXT II
 H_2S , CO, O_2 , %LEL



BW Flex 5 (Up to 6 gases)
 LEL-IR, NDIR- CO_2 , LEL-CB-F, LEL-CB-UF, VOCs, PH_3 , ETO, HCl, H_2 , O_2 , NH_3 , H_2S , COSH, CO, CO-H, SO_2 , NO, NO_2 , HCN, HF, ClO_2 , Cl_2 , O_3 , $COCl_2$

AUTOMATIC TEST & CALIBRATION STATION



IntelliDox
 Automatic Test & Calibration Station

TRANSPORTABLE/ AREA MONITORING



BW Rig Rat
 H_2S , CO, O_2 , %LEL, SO_2 , NO, NO_2 , HCN, NH_3 , Cl_2 , PH_3 , VOCs, CO_2

SINGLE GAS MONITORS



ToxiRAE Pro
VOCs, %LEL, CO₂, NH₃, Cl₂, ClO₂, CO (Std/ HR/ H₂ Comp), ETO, HCHO, H₂, HCN, H₂S, CH₃-SH, NO, NO₂, O₂, PH₃, SO₂

HANDHELD VOC MONITORS



MiniRAE 3000+
ppbRAE 3000+
UltraRAE 3000+ (Benzene & Butadiene)
VOCs

4-GAS MONITORS

MicroRAE
%LEL, O₂, CO, H₂S, HCN

QRAE 3
%LEL, O₂, CO, H₂S, HCN, SO₂, NH₃, PH₃, Cl₂, NO₂



MULTI-GAS MONITORS



MultiRAE Lite (H₂, H₂S-HR)
MultiRAE
MultiRAE Pro (Gamma)
VOCs, %LEL, CH₄, CO₂, NH₃, CO (Std/ HR/ H₂ Comp), Cl₂, ClO₂, ETO, HCHO, HCN, H₂S, CH₃-SH, NO, NO₂, O₂, PH₃, SO₂

TRANSPORTABLE MULTI-GAS AREA MONITORS

AreaRAE Plus
AreaRAE Pro (Gamma)
VOCs, %LEL, CO₂, NH₃, CO (Std/ HR/ H₂ Comp), Cl₂, ClO₂, ETO, H₂, H₂S (Std/ HR), HCl, HCN, HF, NO, NO₂, O₂, PH₃, SO₂



AUTOMATED, NETWORKED BUMP TEST & CALIBRATION SYSTEM



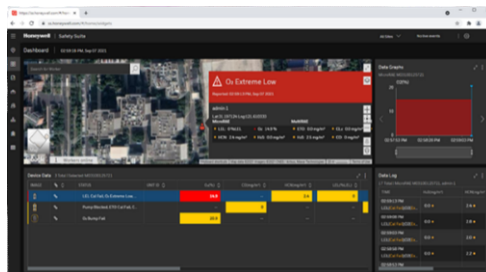
AutoRAE 2

SEMI FIXED SINGLE GAS MONITORS

MeshGuard S
H₂S (Std/ HR), %LEL / %LEL IR, CO, CO₂, O₂, NH₃, Cl₂, SO₂, HCN, NO, PH₃, HCl, ETO, NO₂, HF



GAS DETECTION FLEET MANAGEMENT & WORKER SAFETY MONITORING



*Respond Faster
Prevent Risk
Manage Devices*

RAPIDLY DEPLOYABLE WIRELESS GAS MONITORING SYSTEM



Portable Gas Monitors
MeshGuard S
Mesh Router
EchoView
Touchpoint™ Plus Wireless
EchoView Host
RAELink 3
RAEPoint
Wireless Alarm Bar™

HSE DIVISION

Refrigerant Monitors



BACHARACH® X30 & X50 REFRIGERANT MONITORS



Broadband refrigerant detection
Analog Signal & Modbus Digital Communications to BMS/BAS
Pre-calibrated replacement sensor modules
1 Relay



Broadband refrigerant detection
Analog Signal & Modbus Digital Communications to BMS/BAS
Pre-calibrated replacement sensor modules
4 Relays
Compatible with X10 Remote Sensor
Dual sensor capable
Integrated perimeter strobe



BACHARACH® MULTI-ZONE REFRIGERANT GAS MONITOR

1 ppm Minimum Detectable Level
Early detection of refrigerant leaks
Monitors up to 16 remote areas, expandable to 48 monitoring points
Over 60 different refrigerants accurately detected
Infrared sensor technology
High performance sampling pump
Full two-way communications with Remote Display Module or Building Management System via RS-485 serial interface. RS-232C communications port standard.



MSA CHILLGARD® 5000 REFRIGERANT LEAK MONITOR



Uncompromising Compliance: Keep your facility fully aligned with strict ASHRAE and EPA safety standards.

Ultra-Precise Detection: Spot low-level refrigerant leaks down to 1 ppm before they cause downtime.

Smart Facility Monitoring: Protect high-density mechanical rooms with multi-point sampling and real-time remote alerts.

Smart Multi-Point Monitoring: Protect large mechanical spaces with sampling for up to 16 points.

Communication outputs: 4-20mA, 0-10V, RS485 MODBUS RTU, RS-485 BACnet MS/TP

BACHARACH PORTABLE GAS ANALYSER AND LEAK DETECTOR



PCA400
Portable Combustion
Analyser

O₂, CO, CO₂, NO, NO₂, SO₂

Stack temperature:
-20°C to 1200°C

KEY APPLICATIONS

Process heaters
Utility boilers
Combustion monitoring
Incineration emission
monitoring



Fyrite Insight Plus
Fyrite InTech
Portable Combustion
Analyser

O₂, CO, CO₂

Stack temperature:
-20°C to 650°C

KEY APPLICATIONS

Process heaters
Utility boilers
Combustion monitoring
Incineration emission monitoring



Leakator Jr.
Combustible Gas Leak
Detector

Acetone, Acetylene, Benzene,
Butane, Ethanol, Ethylene Oxide,
Gasoline, Hexane, Hydrogen,
Industrial Solvents, Isobutane,
Methane, Methanol, Naphtha,
Natural Gas, Paint Thinners and
Propane

KEY APPLICATIONS

Pinpoint gas leaks
Gas pipelines survey
Valves & regulators inspection



Informant 2
Refrigerant & Combustible
Gas Leak Detector

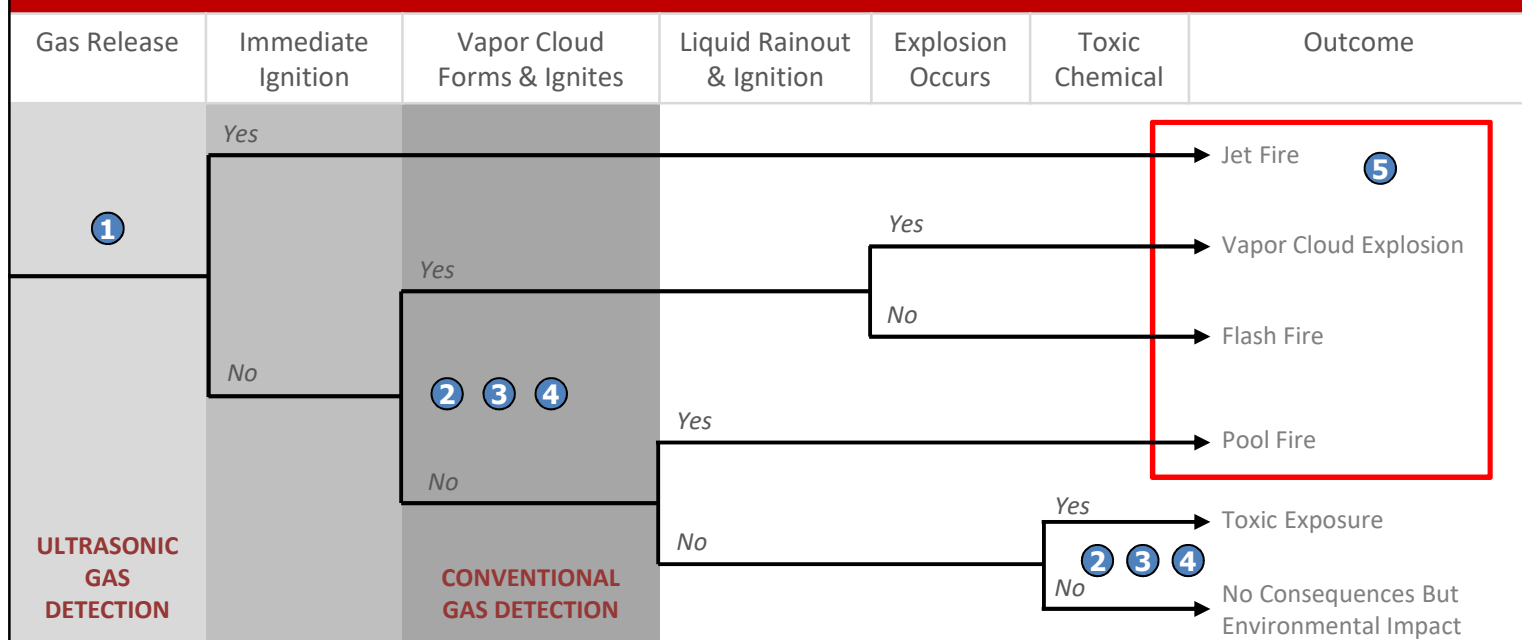
All CFC, HCFC and HFC
refrigerants including: R12, R22,
R123, R134A and blends R404A,
R408A, and R409A and R410A
All combustible gases and vapors
0 to 400%

KEY APPLICATIONS

Refrigeration
Chillers
General Industry
Maintenance

MSA GAS LEAK DETECTION

EVENT TREE FOR GAS RELEASE



Risk escalation, time scale

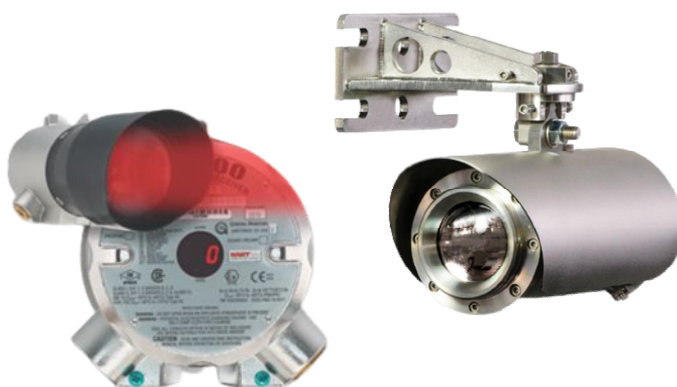
ULTRASONIC GAS DETECTOR 1

Gassonic Observer-I



LINE OF SIGHT OPEN PATH DETECTOR 2

Senscient ELDS Open Path Toxic & Combustible Gas Detector
IR5500 Open Path Combustible Gas Detector



COMBUSTIBLE GAS DETECTOR 3

PrimaXIR+ IR Gas Detector
S5000 Dual Sensors Combustible Gas Detector
IR400 Infrared Combustible Sensor



TOXIC GAS DETECTOR 4

S5000 Dual Sensors Toxic Gas Detector
Chillgard® 5000 Gas Leak Detector



FLAME DETECTOR 5

FL500 UV/IR Flame Detector
FL5000 Multispectrum Flame Detector
TL105 Test Lamp



FIRE AND GAS SYSTEM

HazardWatch™
Zero-Two Series System



G8c

NH₃ (Std/HR), CO (Std/HR), CO-H, CO₂, Cl₂, ClO₂, COSH, H₂S (Std/HR), LEL-IR, LEL-MPS™, HF, HCN, H₂, NO₂, O₂, O₃, VOCs, SO₂

Fall Detection

No-motion detection

Push-to-talk

SOS Alert

Check-in

GPS location

Indoor location technology

Configuration modes

Two-way voice and text messaging

Gas alarms



G7x + G7 BRIDGE

NH₃ (Std/HR), CO (Std/HR), CO-H, CO₂, Cl₂, ClO₂, COSH, H₂S (Std/HR), LEL-IR, LEL-MPS™, NO₂, O₂, O₃, VOCs, SO₂

Fall Detection

No-motion detection

Messaging

Gas alarms

SOS Alert

Check-in

GPS location

Indoor location technology

Dual mode communication



LOCATION BEACON

Intrinsically safe

Precise location technology

Floor plans and location names

Long battery life

IP65 sealed

Easy setup

Compact design



G7/G8 DOCK

Bump test

Calibrations

Charging

Easy setup

Blackline Live™ portal

Custom inlet configuration

Quick-connect tubing



EXO 8

NH₃ (Std/HR), CO (Std/HR), CO-H, CO₂, Cl₂, ClO₂, COSH, H₂S (Std/HR), HCN, HF, LEL-IR, LEL-MPS™, NO₂, O₂, O₃, VOCs, SO₂

100 days battery life

Configurable gas sensor cartridges monitor for up to 8 gases

360° diffusion gas detection

Optional four-channel pump module

Internal 4G wireless works in 100+ countries

Optional Iridium global satellite module

Internal GPS and beacon location technology



BLACKLINE LIVE PORTAL

Alert management tools

Custom maps & floor plans

Custom alert profiles

Wireless device configuration

Evacuation management

Employee address book

Compliance dashboard

Reporting



PROCESS ANALYTICS DIVISION

The Dew Point, Humidity and Moisture Analyser



Process Analyser



Continuous hydrocarbon/ water dew point and moisture measurements for process quality monitoring application

TECHNOLOGY

Ceramic Impedance
Quartz Crystal Microbalance
Tuneable Diode Laser
Spectroscopy (TDLAS)

Dew Point Transmitter



An accurate and reliable water dew point/ moisture sensor

Calibration exchange program for cost effective with zero-down time

Portable Hydrocarbon Dew Point



CDP301 portable HCDP tester uses the chilled mirror principle for both hydrocarbon and water dew point measurements based on the visual manual method of observing the formation of condensate with a high-definition visual image to assist users and allows image capture and reliable logging of measurements for reference

Portable Hygrometer



Fast, accurate spot checks for dew point, relative humidity and moisture concentration

Moisture Calibration Instrument



Calibration equipment designed for humidity measurements and calibration

Chilled Mirror Reference Hygrometer



Field-proven chilled mirror instruments for laboratory and industrial applications

Oxygen Analyser



Robust, linear and stable Oxygen Analysers for measurements in gases such as biogas, methane, hydrogen, nitrogen or carbon dioxide

Oxygen & Related Analyser



Reliable, low maintenance Oxygen Analysers for trace oxygen measurement

Oxygen/ H2S Electrochemical Analyser



Electrochemical analysers and sensors for oxygen and hydrogen sulphide

SERVOTOUGH Hazardous Area Gas Analyser



Oxy 1900/ OxyExact 2200
 O_2

KEY APPLICATIONS

Process control
Flare stack analysis
Vapor recovery
Safety-critical oxidation
Oxidation control reactions
Catalyst regeneration
Solvent recovery



SpectraExact 2500
 NH_3 , CO , CO_2 , $C1-C6$, HCl , CH_4 ,
 NO , N_2O , THC , H_2O , etc

KEY APPLICATIONS

Water in EDC/solvents
Ethylene production
TDI production
Chlorine production



FluegasExact 2700
 O_2 , CO_e

KEY APPLICATIONS

Process heaters
Utility boilers
Thermal crackers
Crematoria incinerators
Furnaces



Laser 3 Plus
 NH_3 , CO , CH_4 , O_2

KEY APPLICATIONS

Process heaters
Utility boilers
Thermal crackers
Oxidation control
Inerting
Safety monitoring
Power stations

SERVOPRO Safe Area Gas Analyser



MonoExact DF150E
 O_2
MonoExact DF310E
 O_2 , H_2O

KEY APPLICATIONS

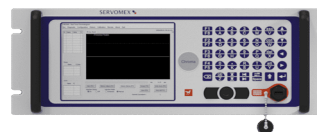
Glove boxes
Solder reflow ovens
Compressed air generation
Ethylene production
Air separation units
Instrument air units
Refining gases



4900 Multigas
 CO_2 , CO , CH_4 , NOx , SOx
4100/4200
 CO_2 , CO , CH_4 , N_2O , O_2 , H_2O

KEY APPLICATIONS

Utility boilers
Clinical waste incinerators
Chemical incinerators
Mobile labs
Air separation unit
Validation of medical gas



Chroma
 Ar , CO , CO_2 , He , $NMHC$, H_2 ,
 CH_4 , N_2 , O_2
Plasma - N_2

KEY APPLICATIONS

Medical gas production
Air separation unit
Cryogenic truck loading station
High purity gas production
Argon production
Truck loading
Pure gas bottling
Specialty gas laboratories



FID
 THC
HFID
 THC , $NMHC$, CH_4

KEY APPLICATIONS

Cryogenic air separation
Process control
Food gas manufacture
Product validation
Compliance monitoring and testing
VOC abatement
Scrubber efficiency

SERVOFLEX Portable Gas Analyser



Micro i.s. 5100 - O_2
MiniMP 5200 - O_2 , CO_2
MiniHD 5200 - O_2 , CO_2 , CO

KEY APPLICATIONS

Process monitoring
Inerting applications
Controlled atmosphere
Hazardous area combustion optimization
Air separation & gas bottling plants
Transfilling

Combustion analysis
Physiology studies
Universities
Laboratories and research
Medical gas verification
Food processing and pharmaceutical industries

PROCESS ANALYTICS DIVISION

Oil In Water Analyser



Oil in water monitoring analysers with fluorescence, absorbance, video microscopy with ultrasonic cleaning and optical spectrometry to ensure analysers provide precise readings reliably and continuously.

KEY APPLICATIONS

Produce Water Treatment
Condensates
Crude Oil Transfer
Discharge Management
Waste Water Process Improvement
Cooling Water
Waste Water Treatment

TECHNOLOGY

Ultrasonics
Fluorescence
Microscopy
Spectroscopy
Mass Spectrometry

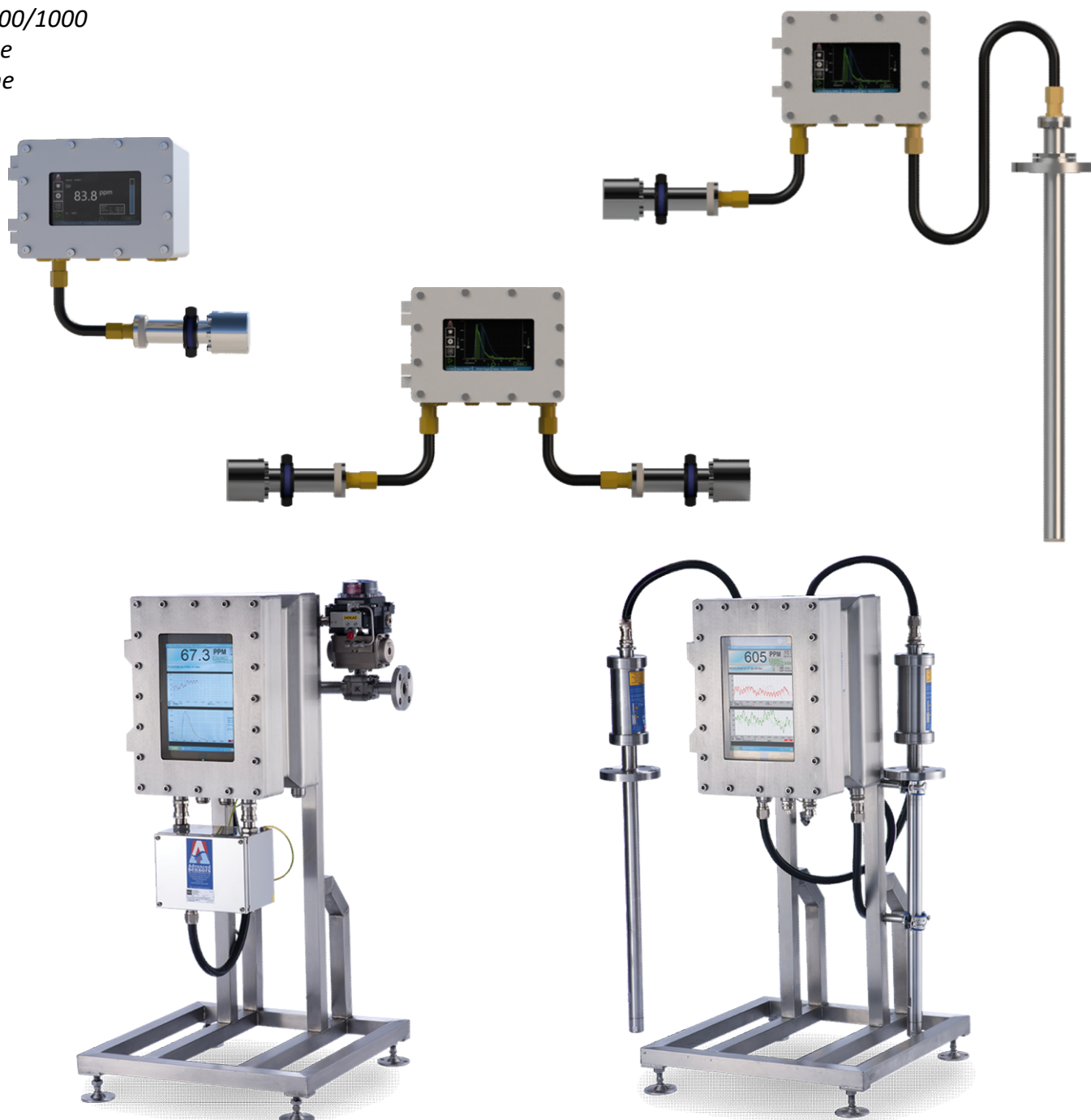
In-line Oil in Water Analyser (In-Situ)

Side Stream Oil In Water Analyser (Extractive)

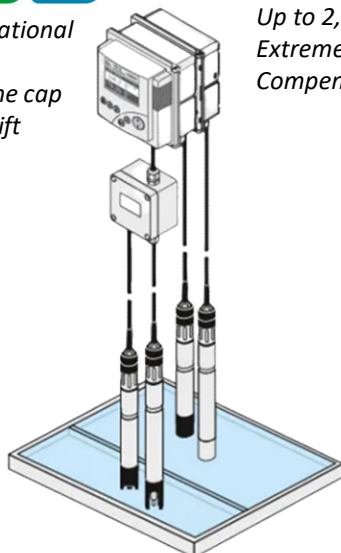
EX-100/1000

S-One

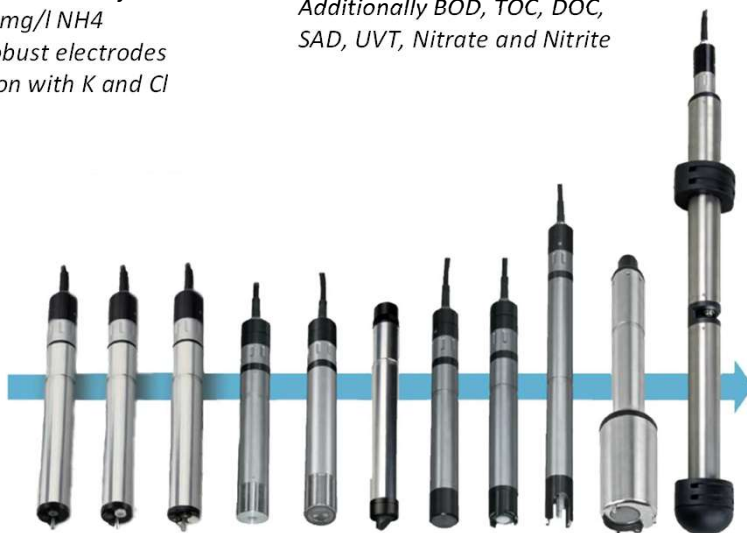
X-One



REAGENT-FREE COD MEASUREMENT WITH NiCaVis 701/705 IQ NI



*No reagent consumptions
Integrated low in maintenance
Additionally BOD, TOC, DOC,
SAD, UVT, Nitrate and Nitrite*

[illegible]

CEMS DIVISION

Continuous Emission Monitoring System



PROTEA - P2000 CEMS

Carbon Monoxide (CO), Nitric Oxide (NO), Nitrogen Dioxide (NO₂), Sulphur Dioxide (SO₂)



The Stack Mounted In-Situ analyser monitors the stack gas without the need for any sample handling equipment making it a cost effective solution to Continuous Emission Monitoring and Process applications. The analyser monitors the stack gases "wet", water vapour is continuously monitored enabling the pollutant gases can be reported on a wet or dry basis. Absolutely **LOW** maintenance!

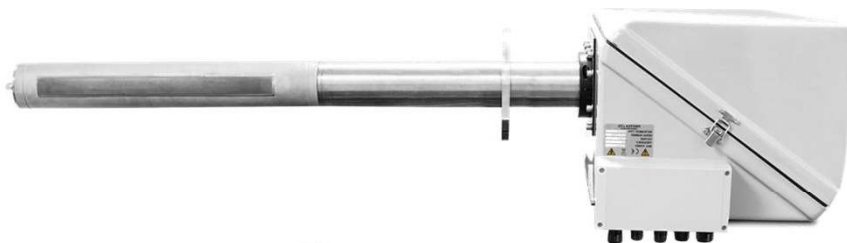
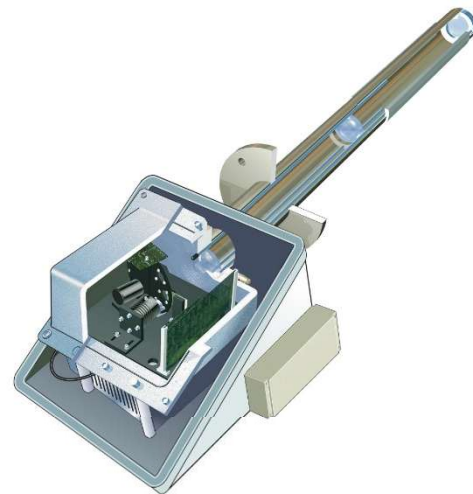
KEY APPLICATIONS

Boiler, Gas Turbine (<300°C), Furnace (<300°C)

Sulphur Recovery

Process Flue Gas Desulfurization

and many more



PROTEA - ATMOSFIR

NO, NO₂, N₂O, SO₂, NH₃, HCl, CH₄, O₂, CO₂, H₂O and many more



At the heart of system is the high-resolution, robust and proven FTIR spectrometer offering high signal throughput, low-noise and long lifetime of components. atmosFIR has been developed to incorporate the latest improvements and advantages in technology, The atmosFIR FTIR analyser contains an in-built sampling system and is designed for ppm-level emissions monitoring. The analyser can be used as a portable or bench-top unit as well as part of the installed CEM system.

KEY APPLICATIONS

Waste Incineration Emission

Power Plant Emission (measuring Mercury)

Combustion Monitoring from Oil & Gas



PCME QAL 710

DYNAMIC OPACITY TECHNOLOGY



Cross Stack - Double Path which install at Stacks (chimney) after bag filters, cartridge filters, cyclones, electrostatic precipitators, no filtration. Applicable on non-condensing / dry flue gases.

KEY APPLICATIONS

Incineration (eg. Schedule Waste/Medical Waste),
Metals (eg. Steel/Aluminium), Minerals (eg. Cement/Gypsum),
Chemicals (eg. Refinery/ Rubber), Power Generation Plant (eg. Coal/Biomass)



PCME QAL 991

ELECTRODYNAMIC TECHNOLOGY



Robust design unaffected by product build-up on the sensor rod
Providing lower cost of ownership and lowest maintenance.

KEY APPLICATIONS

Incineration, Metals (eg. Steel/Aluminium),
Minerals (eg. Cement/Gypsum), Chemicals (eg. Detergent/Carbon Black),
Power Generation Plant (eg. Coal/Biomass)

PCME QAL 260

PRO SCATTER TECHNOLOGY



ProScatter™ Backscatter sensor technology with superior minimum detection < 1mg/m³. Certified to 15 mg/m³ for processes with low typical emission limits.

KEY APPLICATIONS

Incineration, Metals (eg. Steel/Aluminium),
Minerals (eg. Cement/Gypsum), Chemicals (eg. TiO₂/Coating Powder),
Power Generation Plant (eg. Coal/Biomass)



PCME QAL 181 WS

PRO SCATTER TECHNOLOGY



Continuous Particulate Monitoring for saturated wet stack applications typically found after wet FGDs or filtration systems that produce a wet/condensing flue gas (wet ESPs/scrubbers)

KEY APPLICATIONS

Power Generation Plant (eg. Coal/Biomass), Incineration,
Metals (eg. Steel/Aluminium), Minerals (eg. Cement/Gypsum),
Chemicals (eg. Detergent /Carbon Black), Fertiliser , Pulp and Paper

CEMS DIVISION

Steam Water Analysis System (SWAS)



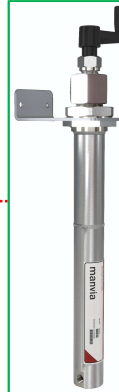
SAMPLE COOLER

Compact design due to dual helical coil design (for sample flow) & a body (where cooling water flows in the opposite direction). Manvia is able to provide maximum heat exchange area while minimizing cooling water.



STEAM SAMPLING PROBES

Suited for saturated steam, superheated steam, and water sampling.



HIGH PRESSURE REGULATOR VALVE

The HPRV is designed for high pressure (above 35 barg) boiler sampling lines with inlet pressure up to 350 barg. The outlet pressure is adjustable, but usually set at 1.5 barg and it works in tandem with BPR to maintain a steady pressure for the analytical sensors.



THERMAL SHUT OFF VALVE

With no requirements of power supply, the TVS is an entirely mechanical device that shuts whenever the sample exceeds a set temperature to protect the analytical sensors.



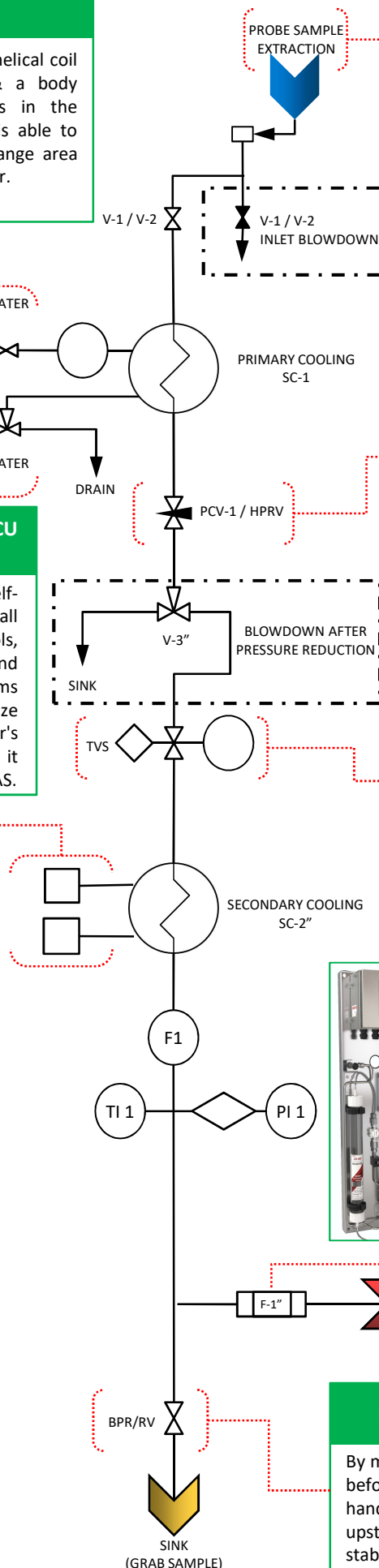
WATER COOLING TCU (CHILLER)

The TCU is a self-contained with all necessary controls, pumping and refrigeration systems that is used to stabilize the cooling water's temperature prior to it being utilized in a SWAS.



DEGASSED CATION PANEL

Degassed cationic conductivity, is an important parameter for the boiler and turbine, most turbine manufacturers have specified that the value of the cation conductivity in the steam, must be below a certain limit of conductivity (less than $0.5 \mu\text{S}/\text{cm}$), to avoid damage to the turbine.



BACKPRESSURE REGULATOR

By maintaining a constant inlet pressure before the analysers, it works hand in hand with the HPRV by regulating upstream pressure, hence leading to stabilizing flow rate for the analytical sensors.



NEEDLE SYSTEM ADAPTER NGL

NGL systems are used to take a liquid process sample without spillage.

FEATURES

- No emissions
- Safety for the operator
- Environmental care
- Easy operation and low maintenance
- Seal during filling of the bottle preventing **gas** or **liquid** leaks.
- Needles Assembly to sample and vent
- For standard GL-45 bottles with septum.

SAMPLE BOTTLE ENCLOSURE

Special enclosure to avoid splatters and spill over during sample collections.



FIX VOLUME SAMPLE CYLINDER FV

FEATURES

- Application for viscous, corrosive or danger liquids.
- Various capacities available
- Sampling isolation of process conditions
- High temperature and pressure applications
- Representative sampling
- Closed sampling
- Handle operation
- Fixed volume sampling
- Purging of the sampler
- Can be manufactured with valves from the main brands on the market (under requirement).

BLOCK SELECTOR TWO VALVES SV

Mechanical system to synchronize two 3-way valves with a single handle. Designed to move two three-way valves simultaneously with a single handle (by-pass - closed - sample).

DEAD MAN SYSTEM (DMS)

Mechanical system to ensure the closing valves by spring. Through this system we ensure that the sampler is always kept in the closed position.



SERVICES



MAINTENANCE

We can offer a team of personnel suitably qualified to provide an extensive range of diagnostic services and an annual maintenance contract for Process Gas and Liquid Analysers, Continuous Emission Monitoring Systems (CEMs) and Fire & Gas Detection Systems.

We provide maintenance for:-

- Fire and Gas Detection Systems
- Oxygen Analyser
- Moisture Analyser and Hydrocarbon Dewpoint Analyser
- Multi-gas NDIR Analyser
- Dust Emission Monitoring System



CALIBRATION

Our quality assurance starts with our people, who are trained by our Principals to carry out the calibration accurately and professionally. Backed by engineers/technicians with comprehensive application experience and in-depth product knowledge, we strive to provide a reliable and cost effective calibration services to our customers.



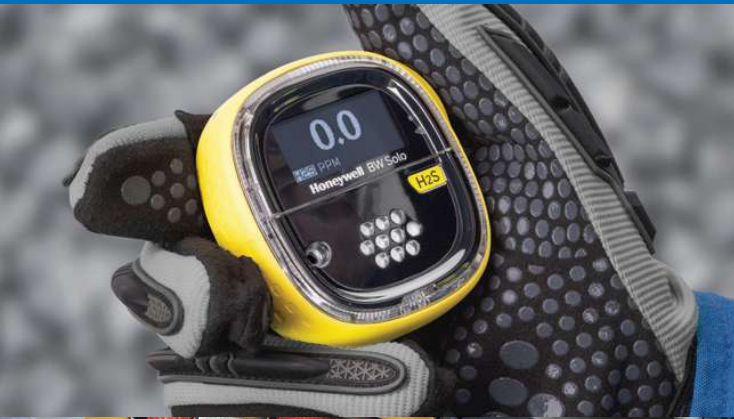
TRAINING

We believe plant personnel responsible for maintaining Fire & Gas Detection System and Analyser Systems will benefit with an increased knowledge of the system. We provide class room and on-site training. Instructors will demonstrate troubleshooting techniques to make quick, accurate and effective repairs.



Preventive and Predictive maintenance techniques will be demonstrated to allow the Fire & Gas Detection System and Analyser Systems to operate at maximum reliability levels.

PROJECTS REFERENCES



HONEYWELL BW PORTABLE GAS DETECTORS

Petronas Group of Companies
Exxonmobil Exploration and Production Malaysia
Sarawak Shell Berhad
Petroleum Sarawak Berhad
Hengyuan Refining Company
Petron Malaysia Refining & Marketing Bhd



HONEYWELL RAE PORTABLE GAS DETECTORS

Petronas Chemicals Group
Petronas Carigali Sarawak
Petronas Carigali Sabah
Polis Diraja Malaysia
Intel Malaysia
S. C. Johnson



BLACKLINE SAFETY LONE WORKER DEVICES

Petronas Gas Berhad
Sarawak Petroleum Berhad
Bintulu Integrated Facility
Tenaga Nasional Berhad
Dutch Lady Milk Industries
Heineken Malaysia Berhad



MSA/GENERAL MONITORS FIXED GAS DETECTORS

Petronas Chemical Derivatives Sdn Bhd
Sarawak Shell/Sapura Exploration – Larak, Gorek & Bakong
Hess Exploration – Wellhead Platform (WHP), Phase 1
ExxonMobil Exploration – Jerneh A Living Quarter
Petrofac Malaysia – East Cendor Field Development, Phase 1



SERVOMEX OXYGEN ANALYSERS

Petronas Chemical Derivatives Sdn Bhd
RP Chemicals (Malaysia) Sdn. Bhd
Hengyuan Refining Company Berhad
Petron Malaysia Refining & Marketing Bhd
Lotte Chemical Titan (M) Sdn Bhd

PROJECTS REFERENCES

MICHELL MOISTURE ANALYSER

Malaysia LNG
Petronas FLNG 1 & 2
Petronas Carigali – Bayan, Bekok C, Bokor, Dayang Platform
Petronas Carigali – Kasawari, OSC, Resak, Tangga Barat Platform
Hess Exploration – Bergading CPP Platform
Pengerang Refining Company Sdn Bhd
Lotte Chemical Titan (M) Sdn Bhd
Sapura OMV – B15 Platform
Sarawak Shell Berhad



ADVANCED SENSORS OIL IN WATER ANALYSER

Petronas Carigali – Bokor, Dulang, Kasawari, Tangga Barat Platform
PTTEP – SASA, SNPA, WPPA, WPPB, WPPA, DTU Platform, FPSO Kikeh
Mubadala Petroleum – Pegaga Platform
Enquest Petroleum – Seligi Platform
JX Nippon – FPSO Helang
ONGC – Kakinada Project
Shell Crux Project
Shell Manatee Project



PROTEA CONTINUOUS EMISSION MONITORING SYSTEM

Nippon Electric Glass Malaysia
Malakoff – Tanjung Bin Power Plant
Sarawak Energy – Sejingkat, Mukah, Balingian, Miri Power Plant
Sabah Energy – Sandakan Gas Turbine Power Plant
Kemaman Bitumen Company
SPCI Helm Malaysia



ENVEA PARTICULATE EMISSION MONITORING SYSTEM

Nippon Electric Glass Malaysia
Ye-Chiu Non-Ferrous Metal
Sarawak Energy – Sejingkat, Mukah, Balingian Power Plant
Negeri Sembilan Cement Industries
Malaysia Aluminium & Alloy
Malaysia Smelting Corporation
Lotte Chemical Titan (M) Sdn Bhd



MANVIA STEAM WATER ANALYSIS SYSTEM

Petronas Gas Berhad
Petronas Chemicals Fertiliser Kedah
Sothorn Power Generation
TNB Power Generation
Malakoff – Tanjung Bin Power
N.U.R Power





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