



**BITA SUPPLY**

**INDUSTRIAL EQUIPMENT**

---

**Steel, Oil, Gas & Petrochemical**

<https://bita-tamin.com>



OVERVIEW



MECHANICAL



INSTRUMENTS



Control Systems



Hseq Systems



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MOTORS



Hydraulics  
Pneumatics

## ABOUT



### Reliable, Universal Solutions for Your Process Re-quirements

BITA TAMIN is an international procurement company for industrial manufacturing plants. Our main goal is to support companies to keep their production lines moving. We offer a personalized service in order to make our customers accomplish their goals in cost reduction and making them consider us a partner as their main point of support

### MORE CHOICE

BITA TAMIN offers multiple Brands to suit what you need at all times. Whether you are looking for a more product choice, we are here to help

### FOR SIMPLICITY

BITA TAMIN supports you as a unique partner with the supply of all kinds of process and control automation equipments of the main Bands used in the industrial manufacturing plants in all sectors

### MORE SUPPORT

BITA TAMIN Industrial complements a quality service with the commitment to give a quick and effective response within 24 hours. We know how important it is to our customers that they can count on us at anytime



Nader Nazari  
Chief Executive Officer

### Bita Industrial Equipment Supply

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Nelson Mandela Blvd., Tehran, Iran  
Postal Code: 19689 35338  
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M: +98 912 344 3056  
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Email: [nazari@bita-tamin.com](mailto:nazari@bita-tamin.com)

## We supply global brands

### OUR MISSION AND CORPORATE VALUES

Our mission as a company is to offer the best distribution service of industrial process equipments for the worldwide automation industry, being an international well known provider for industrial manufacturing plants in the world



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ABOUT BITA TAMIN

BITA TAMIN having the same bussiness concept, which guide our professional actions based on:



We are sure that being good at what we do is not enough, there is always something else to do. It is confidence we inspire to our customers and the relationship we build with them that makes the difference. We are convinced that our honesty in the service we offer, the quality of the products and its guarantee is what makes our customers rely on us



Our idea of "Team Work" goes beyond the internal union of all people who are part of BITA TAMIN. We want our customers to also be a member of our team working together to understand which is the best way to adapt our service to their company.



For BITA TAMIN, "Proactivity" is synonymous with being ready and getting ahead of problems, therefore we are constantly looking for improvements in our process in order to be able to offer the highest possible quality in our service



We love what we do. We believe that the key to professional success is not just about hard work, but doing it with drive and enthusiasm, keeping always in mind that the best is yet to come.



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"We are the people who provide innovative solutions to industrial sector businesses, enabling them to achieve greater efficiencies and ultimately increase their profitability. Our broad skill-base means that the projects we work on span a wide range of industries and applications. We focus on the below specific industries. This allows us to better support our customers and provide tailor-made products, solutions and services."



OIL & GAS



PETROCHEMICAL



WATER & WASTE WATER



CEMENT



IRON & STEEL



FOOD & BEVERAGE



ENVIRONEANTAL



CONSTRUCTION



PULP & PAPER



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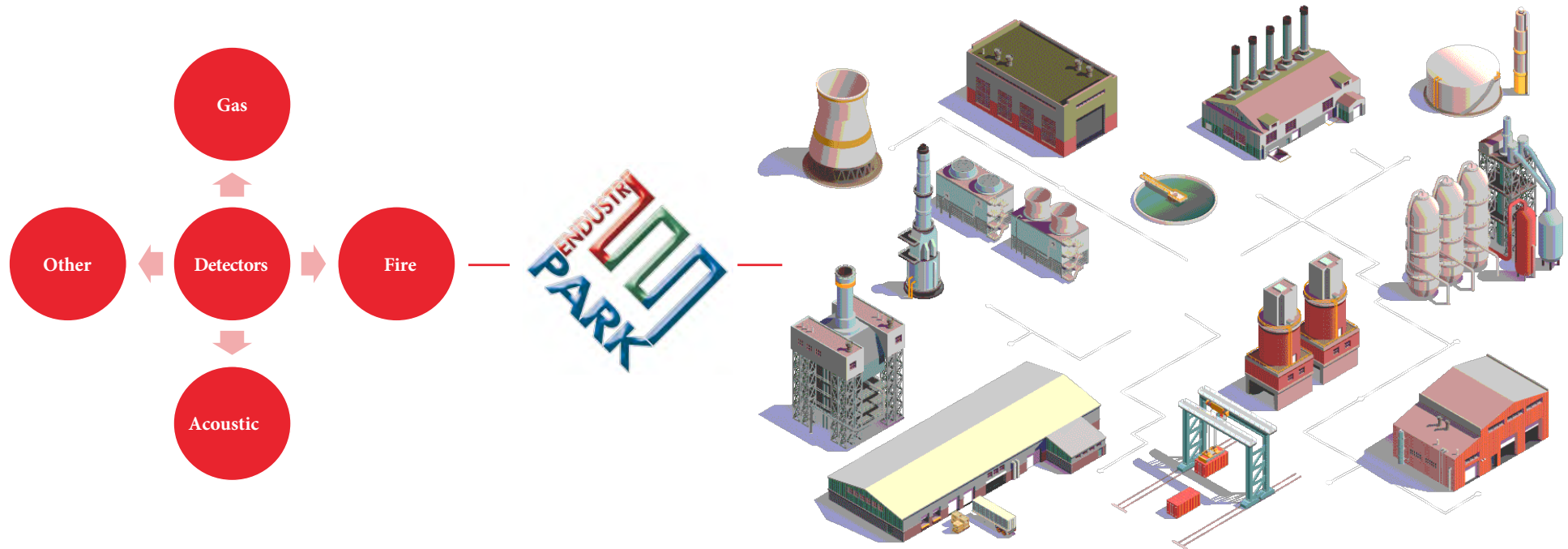
HSEQ SYSTEMS

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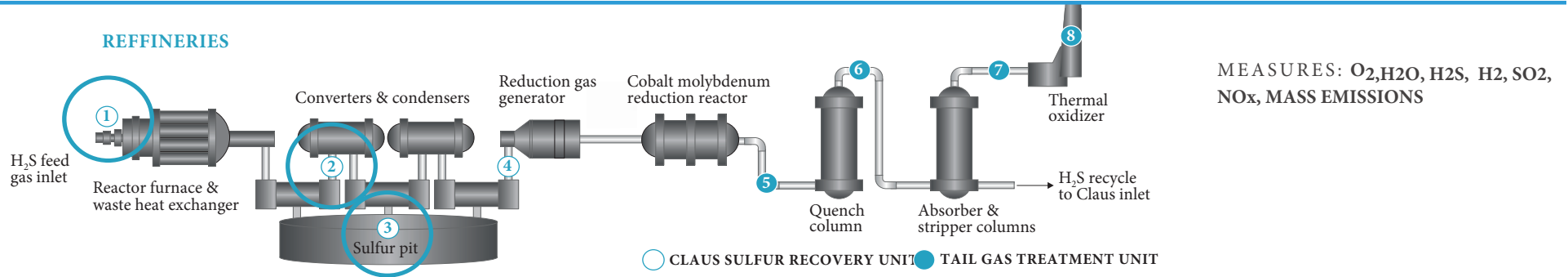
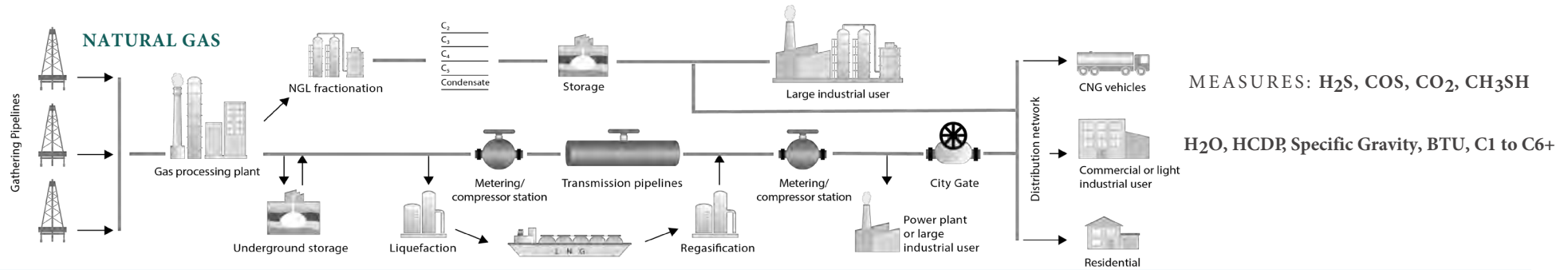
F&G

In today's competitive marketplace, maintaining a high level of process and plant safety is a critical concern. Manufacturers can reduce costs by minimizing damage to equipment and eliminating incidents that impact people and the environment. At the same time, they can maintain a positive image as a company that is aware of its corporate responsibility and acts accordingly. In this sense, "BITA TAMIN" provides you with full range of fire and gas safety solutions from Logic solver and controller to notification appliances and alarm displays' devices: We have managed to supply hseq sytems products that meet the requirements of customers. By combining our existing Analyzers, gas detection and alarm units with calorimeters,

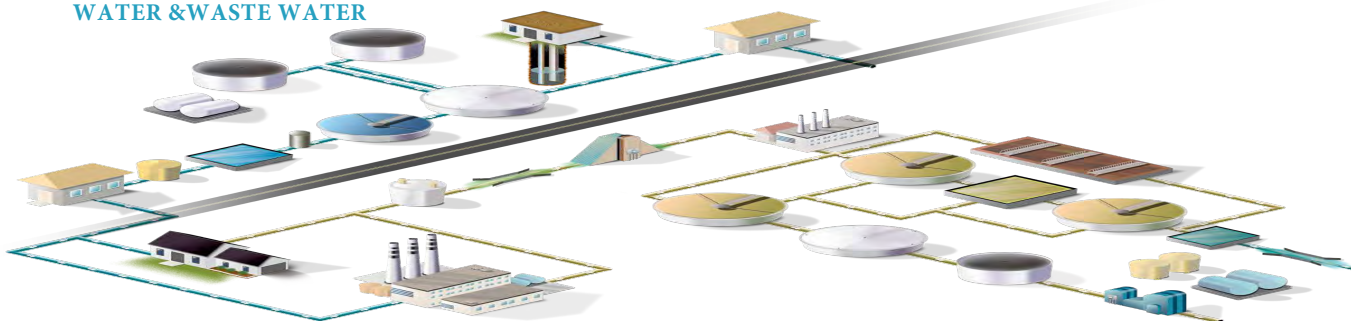




### ANALYZER SOLUTIONS



### WATER & WASTE WATER



**MEASURES:** BOD COD BTX TOC DOC  
UV254, UV XXX, NO<sub>3</sub>-N, NO<sub>2</sub>-N / TS  
Turbidity, Color, Temperature, O<sub>3</sub>, HS- / H<sub>2</sub>S  
NH<sub>4</sub>-N, K+, F-, O<sub>2</sub>, pH, ORP, EC, Chlorine

# 07 HSEQ

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- FLAME DETECTOR
- MANUAL CALL POINT
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### ON-LINE ANALYZERS

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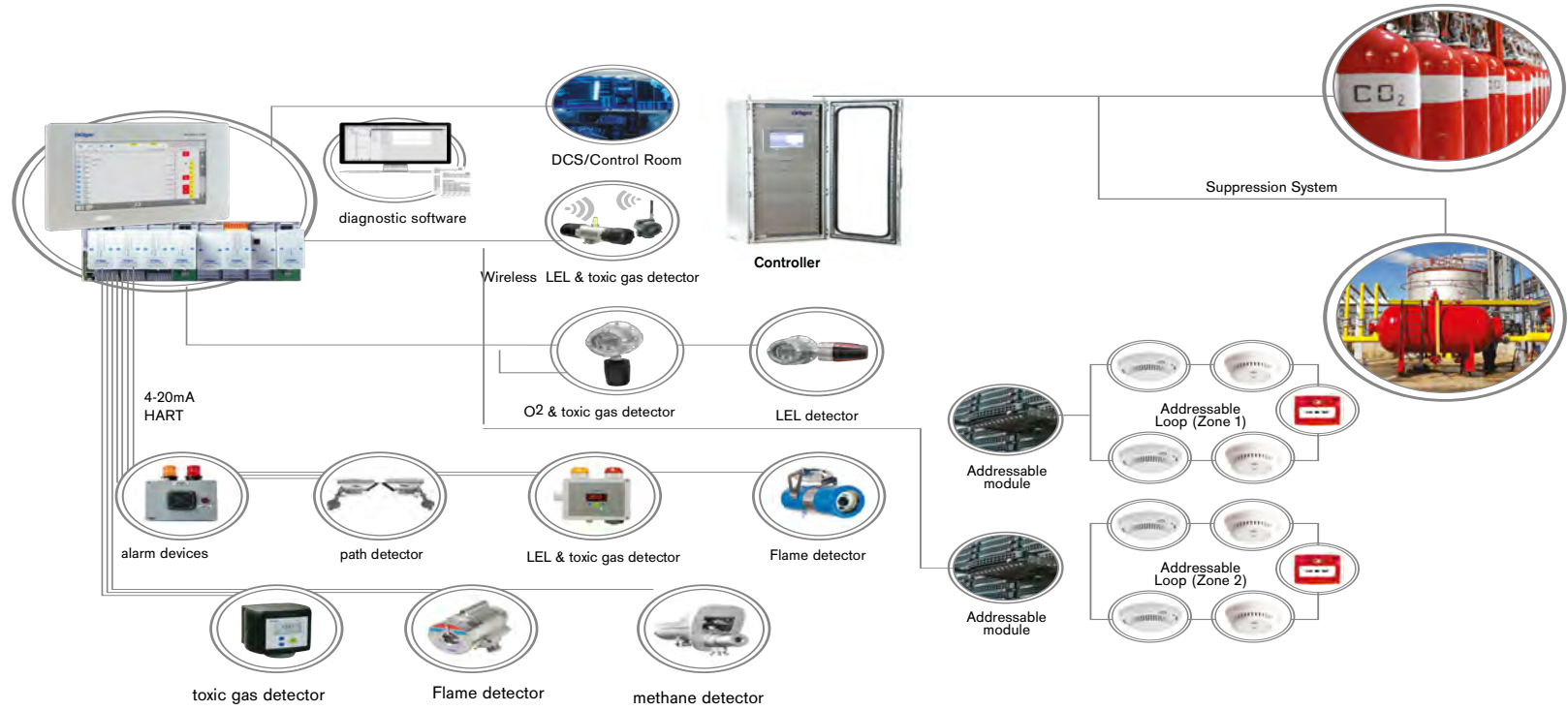
HSEQ SYSTEMS | HSEQ EQUIPMENTS | F & G SYSTEMS | MNF | BRANDS

### HSEQ EQUIPMENTS

#### F & G SYSTEM

#### F & G SYSTEM INTEGRATION

MNF	ORIJIN
APOLLO	UK
ANSUL	UK
ATRONICA	NORWAY
BLACK FIRE	CANADA
CHUBB FIRE	UK
CROWCON	UK
DETECTOMAT	W.EUROPE
DRAEGER	GERMANY
G.F.G	GERMANY
GEBHARDT	GERMANY
GENERAL MONITOR	UK
KIDDE	ITALY
HOCKE	JAPAN
MINIMAX	UK
PREUSSAG	UK
SAFETEC	ITALY
SANCO	ITALY
SES ENSER	ITALY
SIEMENS	GERMANY
SILVANI	ITALY
SILVERTEC	UK
TOTAL WALTHER	GERMANY





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HSEQ EQUIPMENTS

GAS AND VAPOR DETECTION

MNF

BRANDS

## HSEQ EQUIPMENTS

### GAS AND VAPOR DETECTION

#### Gas and Vapor Detection

Devices, instruments, accessories, and other supplies for the safe detection, identification, and analysis of gases and vapors; suitable for industrial and environmental applications. Products include various portable and stationary gas monitors.

MNF	ORIJIN
-----	--------

COMPUTER MONITOR	GERMANY
CROWCON	UK
DELTA CONTROLS	UK
DRAEGER	GERMANY
FENWAL	UK
GASTEC	JAPAN
GENERAL MONITOR	UK
GFG	GERMANY
MSA	USA
OLDHAM	W.EUROPE
PHOTAIN	UK
PREUSSAG	UK
SES ENSER	ITALY
SILVANI	FRANCE
SILVERTEC	UK
SIMTRONICS	NORWAY
SKC	USA
ZELLWEGER	GERMANY





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SMOKE DETECTION

MNF

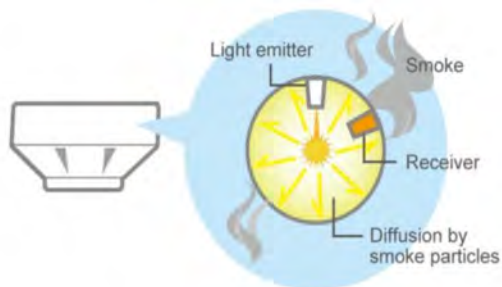
BRANDS

### HSEQ EQUIPMENTS

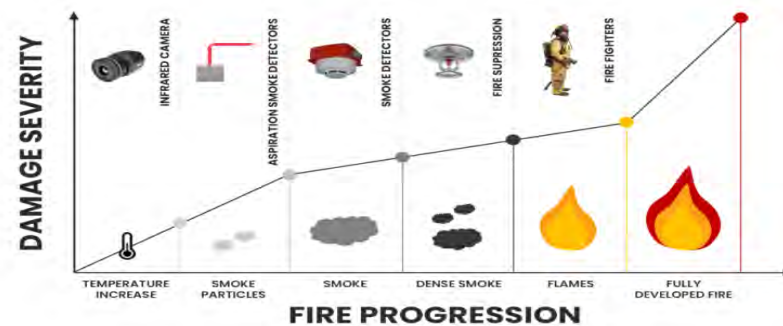
### SMOKE DETECTION



MNF	ORIJIN
APOLLO	UK
CHUBB	UK
CROWCON	UK
DETECTOMAT	GERMANY
HOCHIKI EUROPE	UK
FIGGIE	ITALY
GENERAL MONITOR	UK
MINIMAX	UK
PHOTAIN	UK
PREUSSAG	UK
THORN	UK



Photoelectric Spot Sensor





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HEAT DETECTION

MNF

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## HSEQ EQUIPMENTS

### HEAT DETECTION

The heat detector is intended for detecting fires in their early phase. The detector has a thermistor heat detection system. The application of such type of a sensor allows to detect fires quick and with certainty. The detector operates within the fire alarm system. The element can be installed on the detection loops or stub detection circuits.

The heat detection takes place by means of 4-thermistor temperature measurement system. A fire alarm is generated when temperature limit is achieved, or in case of quick increase of temperature. Then, it recognises the type of alarm and transmits it to the detection circuits, and to the control unit.

MNF	ORIJIN
APOLLO	UK
CHUBB	UK
CROWCON	UK
DETECTOMAT	GERMANY
HOCHIKI EUROPE	UK
FIGGIE	ITALY
GENERAL MONITOR	UK
MINIMAX	UK
PHOTAIN	UK
PREUSSAG	UK
THORN	UK

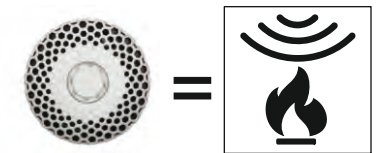
TECHNICAL DATA	
Name	Heat detector T
Heat detector class	A1R
Heat detection	Overload, differential
Supply voltage	24 V DC ± 25%
Quiescent current	<160 µA
Alarm current	<450 µA
Ambient temperature	from -25°C to 55°C
IP rating	IP 20
Acceptable relative humidity	95% at the temperature of 35°C without condensation
Visual signalling	LED diodes, red, green
Dimensions	Ø110 x 51 mm
Weight	200 g
Detector colour	White
Product code	FSD0000001



detector operation mode

#### Characteristics of the heat detector:

- Sensitivity degree and the temperature class comply with EN 54.
- Regulation of alarm threshold which compensates the influence of the environment
- Indication of an alarm by means of the LED diode
- Additional LED diodes for the testing state
- External status indicator
- Integrated short-circuit isolator
- A casing with a low profile
- Operation in the addressable systems





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FLAME DETECTION

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## HSEQ EQUIPMENTS

### FLAME DETECTION

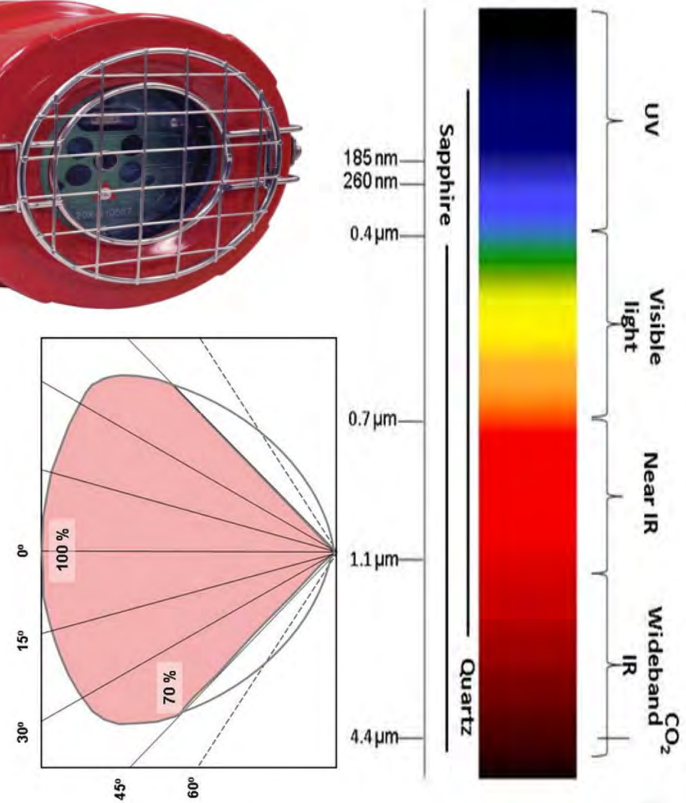
MNF	ORIJIN
APOLLO	UK
CROWCON	UK
DETECTOMAT	UK
GENERAL MONITOR	GERMANY
HOCHIKI EUROPE	UK
MINIMAX	ITALY
PHOTAIN	UK
PREUSSAG	UK
RAMZY	ITALY

**Flame detection** is preferred when fire moves to flame phase from incipient phase quickly or open areas where optical smoke detection is not possible. Optical sensors detect electromagnetic radiation that flame emits in the infrared (IR), visible light, and ultraviolet (UV) wavelengths and transmit alarm data to central control station. Hazardous areas which have high explosivity and/or fire risk uses special flame detectors to minimize intervention duration. False alarm rate, detection range, external factors affect etc. are most important criteria about proper product selection.



#### Optical Flame Detector Types

- UV
- IR
- IR2
- IR3
- Multi IR
- UV / IR





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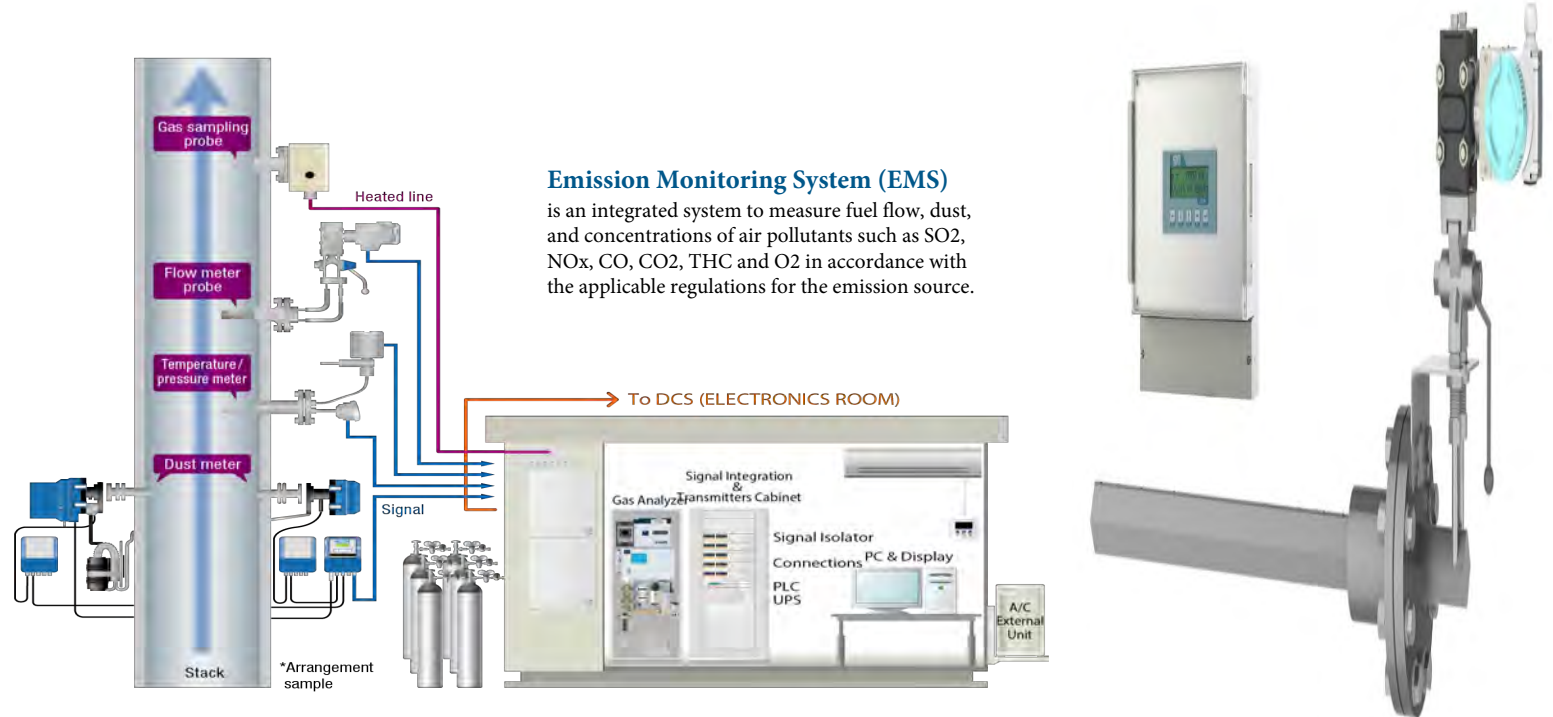
BRANDS

### HSEQ EQUIPMENTS

#### EMISSION MONITORING SYSTEMS (EMS)

#### EMS INTEGRATION

MNF	ORIJIN
BARTEC	BARTEC
HOCHIKI	HOCHIKI
STAHL	STAHL
THORN	THORN
AP2E	AP2E
CROWCON	CROWCON
DURAG	DURAG
ENVIRONMENT	ENVIRONMENT





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AIR POLLUTION ANALYZERS

STACK FLUE GAS ANALYZERS

MNF

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## ENVIRONMENT ANALYZERS

### AIR POLLUTION ANALYZERS

### OIL POLLUTION MONITOR & ANALYZERS

### SOIL POLLUTION MONITOR & ANALYZERS

### DUST ONLINE ANALYZERS

### STACK FLUE GAS ANALYZERS



MNF	ORIJIN
-----	--------

BUHLER TECH.	GERMANY
ENVIROMENT S.A.	FRANCE
POLLUTION S.P.A	ITALY
METROHM APPLIKON	NETHERLANDS
ABB	UK
APEX	USA / W.EUROPE
HORIBA	USA / W.EUROPE
LAND	UK
MRU	GERMANY
OP SIS	SWEDEN
PROTEA	UK
TESTO	GERMANY
M.I.P	FINLAND
P.C.M.E	GERMANY
SICK	GERMANY





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ENVIRONMENT ANALYZERS

WASTE WATER PORTABLE ANALYZER | WASTE WATER AUTOMATIC SAMPLING DEVICE

MNF

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### ENVIRONMENT ANALYZERS

### WASTE WATER PORTABLE ANALYZER

### WASTE WATER AUTOMATIC SAMPLING DEVICE

### UNDER GROUND WATER MONITOR & ANALYZERS



MNF	ORIJIN
-----	--------

EXACT TM	UK
GO-SYS	GERMANY
JENWAY	UK
THERMO	USA / W.EUROPE
WINDOUS	GERMANY
ENDRESS & HAUSER	GERMANY
ISCO	USA / W.EUROPE
NEMOL	GERMANY
W.T.W	GERMANY
KPSI	USA / W.EUROPE
SEBA	GERMANY





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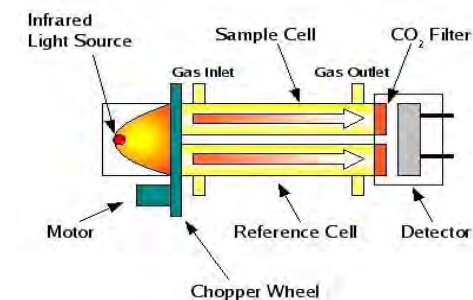
MNF

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## ENVIRONMENT ANALYZERS

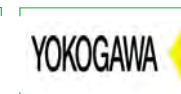
### GAS ON-LINE ANALYZERS

The main components of NDIR sensors are an infrared source, a sample chamber and an infrared detector. The IR light is passed through the sample cell & Reference cell and reaches the detector. The gas in the sample cell causes absorption of specific wavelengths according to the Beer-Lambert law, and the attenuation of these wavelengths is measured by the detector to determine the gas concentration. The detector has an optical filter in front of it that eliminates all light except the wavelength that the selected gas molecules can absorb.



MNF	ORIJN
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ABB	GERMANY
CHROMAOTOTEC	FRANCE
DR. FODISH	GERMANY
DURAG	GERMANY
ENVIROMENT SA.	FRANCE
E.T.G	ITALY
F.E.R	ITALY
FUJI ELECTRIC	JAPAN
M.R.U	GERMANY
PROCAL	UK
RB - TECHNOLOGIES	FRANCE
SERVOMEX	UK
SIEMENS	GERMANY
YOKOGAWA	JAPAN





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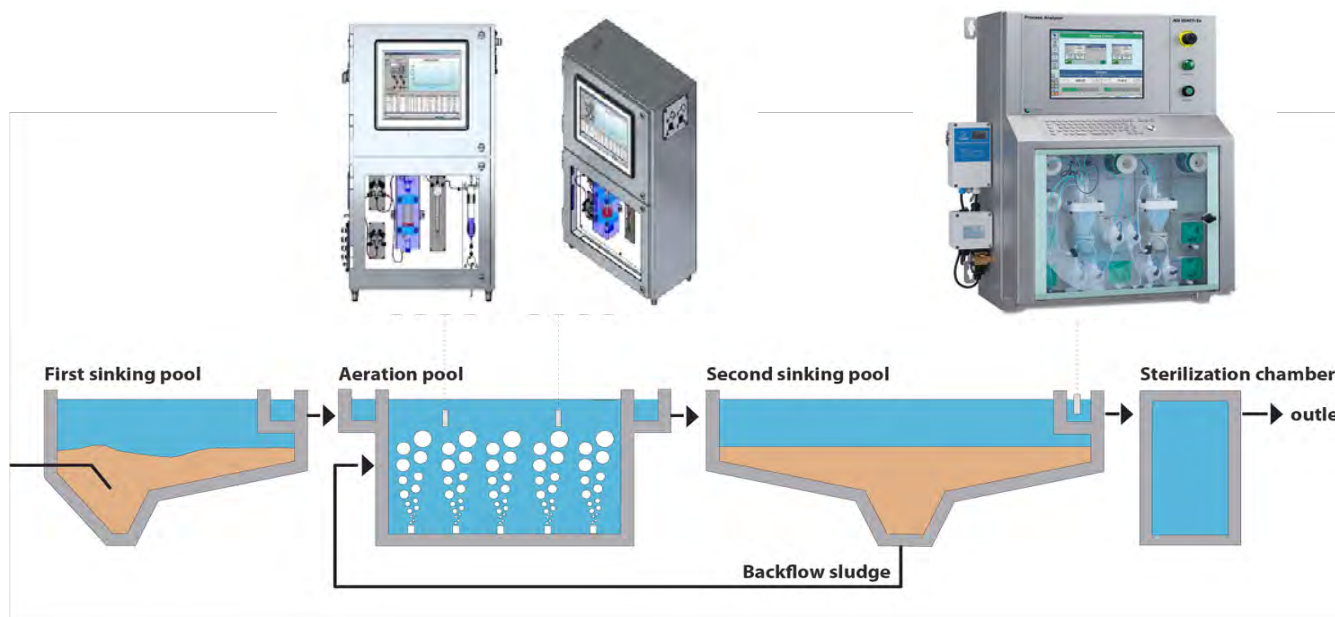
WASTE WATER ON-LINE ANALYZERS

MNF

BRANDS

### ENVIRONMENT ANALYZERS

### WASTE WATER ON-LINE ANALYZERS



MNF	ORIJIN
APPLITEK	BELGIUM
EMERSON	UK
ENDRESS-HAUSER	SWITZERLAND
GO-SYS	GERMANY
HACH-LANGE	USA/GERMANY
LAR	GERMANY
METROHM APPLIKON	NETHERLANDS
PROCESS INSTRUMENT	UK
SCAN	AUSTRIA
STIP & PROMINENT	USA / CANADA
TETHYS INSTRUMENTS	FRANCE
W.T.W	GERMANY





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GAS CHROMATOGRAPH

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### ON-LINE ANALYZERS

### GAS CHROMATOGRAPH

MNF	ORIJIN
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ABB	UK / GERMANY
SICK	GERMANY
SIEMENS	GERMANY
YOKOGAWA	JAPAN





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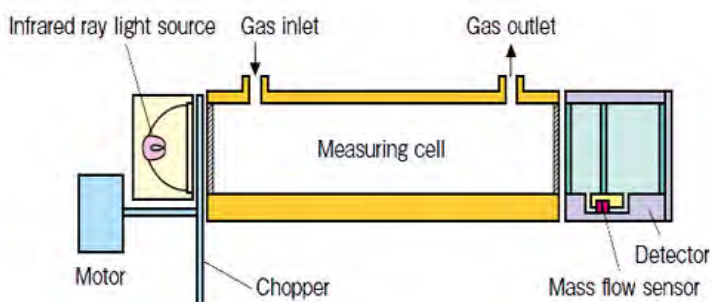
BRANDS

### ON-LINE ANALYZERS

### INFRARED ANALYZERS

MNF	ORIJIN
-----	--------

ABB	UK / GERMANY
EMERSON	UK / FRANCE
SERVOMEX	UK
SICK	GERMANY
SIEMENS	GERMANY
YOKOGAWA	JAPAN





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ONLINE ANALYZERS

H2,HS2, CH4, AMONIA ANALYZERS

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## ON-LINE ANALYZERS

### H2 ANALYZERS

SULPHUR ANALYZER (H2S, SOX, TAIL GAS)

### CH4 ANALYZERS

AMMONIA ANALYZER (IN WATER)



MNF	ORIJIN
-----	--------

ABB	UK / GERMANY
AMETEK	GERMANY
AP2E	FRANCE
DELMAR	FRANCE
EMERSON	UK
GALVANIC APPLIED	CANADA
MAIHAKE	W.EUROPE
NOVACHEM	W.EUROPE
ONYX TRACKER	UK
SERVOMEX	UK
SICK	GERMANY
SIEMENS	GERMANY
YOKOGAWA	JAPAN





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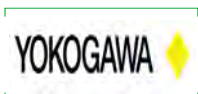
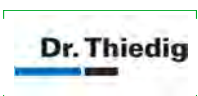
BRANDS

## ON-LINE ANALYZERS

### OXYGEN ANALYZERS

### OXYGEN ANALYZERS (IN LIQUID)

MNF	ORIJIN
ABB	UK
AP2E	FRANCE
ATI	UK
EMERSON	GERMANY
Dr. THEIDIG	GERMANY
ENDRESS & HAUSER	GERMANY
ENOTEC	JAPAN
FUJI	GERMANY
GO SYSTEM GMBH	THE NETHERLANDS
MSA	W.EUROPE
METRON	FRANCE
PANAMETRICS	UK
RB-TECHNOLOGIES	GERMANY
SERVOMEX	GERMANY
SICK	W.EUROPE
SIEMENS	GERMANY
SYSTEC	UK
YOKOGAWA	JAPAN





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### ON-LINE ANALYZERS

### MOISTURE ANALYZERS

(IN GAS) (IN LIQUID)

MNF	ORIJIN
-----	--------

ABB	UK / GERMANY
BERTHOLD TECH.	GERMANY
PANAMETRICS	UK
SERVOMEX	UK
BARTEC	GERMANY
EMERSON	UK / FRANCE
IMA	UK
ROTRONIK	JAPAN
SHINKAWA	JAPAN
SHAW	UK
SICK	GERMANY
SIEMENS	GERMANY
YOKOGAWA	JAPAN





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METERING ANALYZERS

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BRANDS

## ON-LINE ANALYZERS

PH METER

CONDUCTIVITY METER

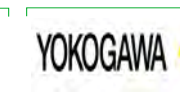
DENSITY METER

TURBIDITY / COLOR METER



MNF	ORIJN
-----	-------

ABB	UK / GERMANY
ATI	UK
BOPP & REUTHER	UK
DKK	JAPAN
EMERSON	UK / FRANCE
ENDRESS & HAUSER	GERMANY
GO SYSTEM	GERMANY
HORIBA	JAPAN
IC CONTROL	W.EUROPE
IGEMA GMBH	GERMANY
LISLEMETRIK	GERMANY
METTLER TOLEDO	SWITZERLAND
PEEK MEASUREMENT	UK
POLY METRON	FRANCE
SERVOMEX	UK
SIEMENS	GERMANY
SWAN	SWITZERLAND
THEIS	THE NETHERLANDS
YOKOGAWA	JAPAN





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### ON-LINE ANALYZERS

TOTAL HYDRO CARBON  
 RAMAN ANALYZER  
 CHLORINE ANALYZER  
 SILICA ANALYZER  
 ALUMINUM ALKIL  
 SAMPLING SYSTEM



MNF	ORIJN
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ABB	UK / GERMANY
ATI	UK
BOPP & REUTHER	UK
DKK	JAPAN
EMERSON	UK / FRANCE
ENDRESS & HAUSER	GERMANY
GO SYSTEM	GERMANY
HORIBA	JAPAN
IC CONTROL	W.EUROPE
IGEMA GMBH	GERMANY
LISLEMETRIK	GERMANY
METTLER TOLEDO	SWITZERLAND
PEEK MEASUREMENT	UK
POLY METRON	FRANCE
SERVOMEX	UK
SIEMENS	GERMANY
SWAN	SWITZERLAND
THEIS	THE NETHERLANDS
YOKOGAWA	JAPAN





OVERVIEW



MECHANICAL



VALVES



MOTORS



INSTRUMENTS



CONTROL SYSTEMS



HSEQ SYSTEMS



HYDRAULIC PNEUMATIC

HSEQ SYSTEMS

ONLINE ANALYZERS

ANALYZER INTEGRATION

MNF

BRANDS

## ON-LINE ANALYZERS

### ANALYZER INTEGRATION

MNF	ORIJIN
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ABB	W.EUROPE
CEGELEC	FRANCE
FORES ENG. S.R.L	ITALY
HOBRE	NETHERLANDS
INT S.R.L	ITALY
TAECHIN SMET CO.	SOUTH KOREA



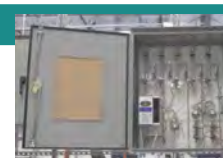
### Analyzers and panels



### Racks



### Enclosures



### Houses



### Continuous Quality

