



Uniphos Envirotronic Private Limited

A UPL Ltd *Group Company*

A hand in a dark suit sleeve is pointing with a pen at a line graph on a grid background. The graph has a vertical axis with values 10000, 8000, 6000, 4000, and -6000. The background is a dark blue gradient with faint grid lines and a line graph with several data points and connecting lines. The text is centered in white.

Fixed Gas Detector KwikSense

KwikSense Smart Digital Gas Transmitter



A True Universal Transmitter

Industry standard 4-20 mA analog output with Digital communication on MODBUS over RS 485

Pre-Calibrated Smart Sensor capable of swapping between any sensor technology

3 potential free relay contacts

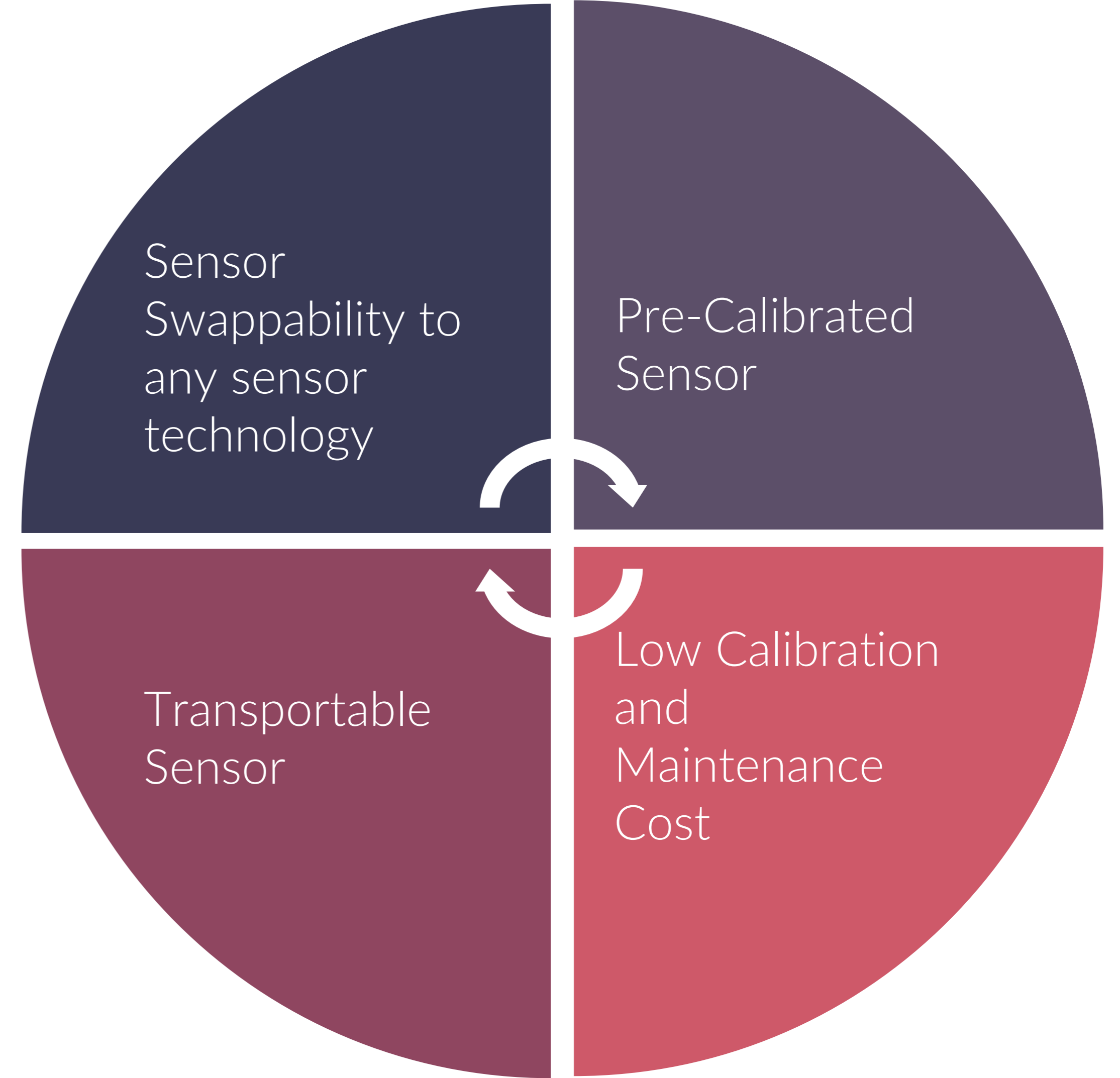
Non-Intrusive Calibration

Certification – ATEX, IECEX, SIL2 ,InMetro etc.

Temperature Class T4: -20 to +85° Celsius

Fully equipped with all Accessories

Key Advantages





KwikSense LITE

Industry standard 4-20 mA analog output

Swappable Sensor for single gas

One Potential free relay contact

Temperature Class T4: -20 to +85° Celsius

Non-Intrusive Calibration

Certification – ATEX, IECEX.

Fully equipped with all Accessories

KwikSense

KwikSense Lite

Digital Communication
on MODBUS over RS 485

Industry standard
4-20mA analog output

3 potential free
relay contacts

1 potential free
relay contact

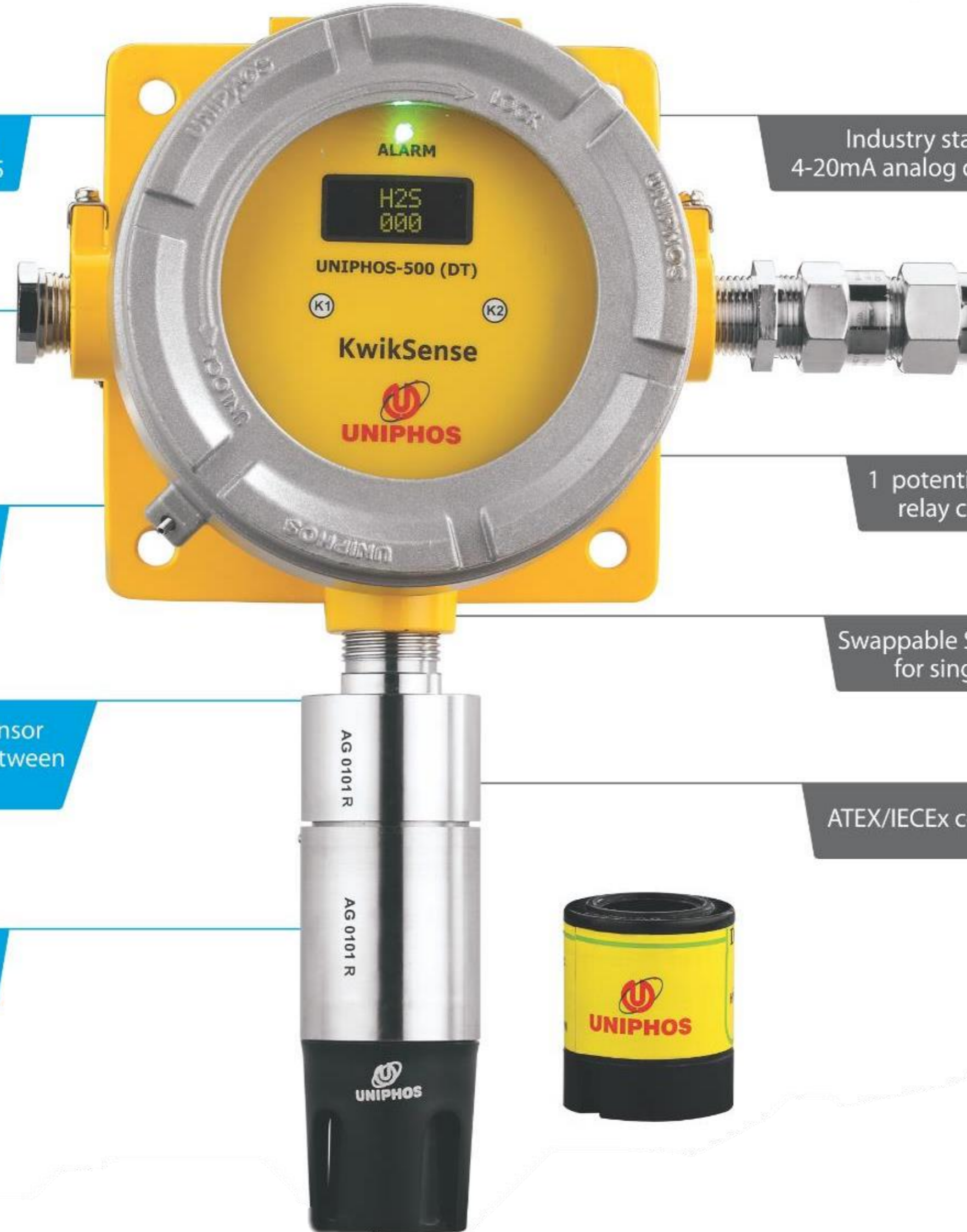
Industry standard
4-20mA analog output

Swappable Sensor
for single gas

Pre-Calibrated Smart Sensor
capable of swapping between
any sensor technology

ATEX/IECEX certified

ATEX/IECEX, SIL2
and INMETRO certified





KwikSense RD

Used for remote detection

Analog Industry standard 4-20 mA with Digital communication on MODBUS over RS 485

Temperature Class T4: -20 to +85° Celsius

3 potential free relay contacts

Configuration via Non-intrusive magnetic wand

Certification – ATEX, IECEX, SIL2, InMetro etc.

Accessories





Rain Shield



Duct Mounting Kit

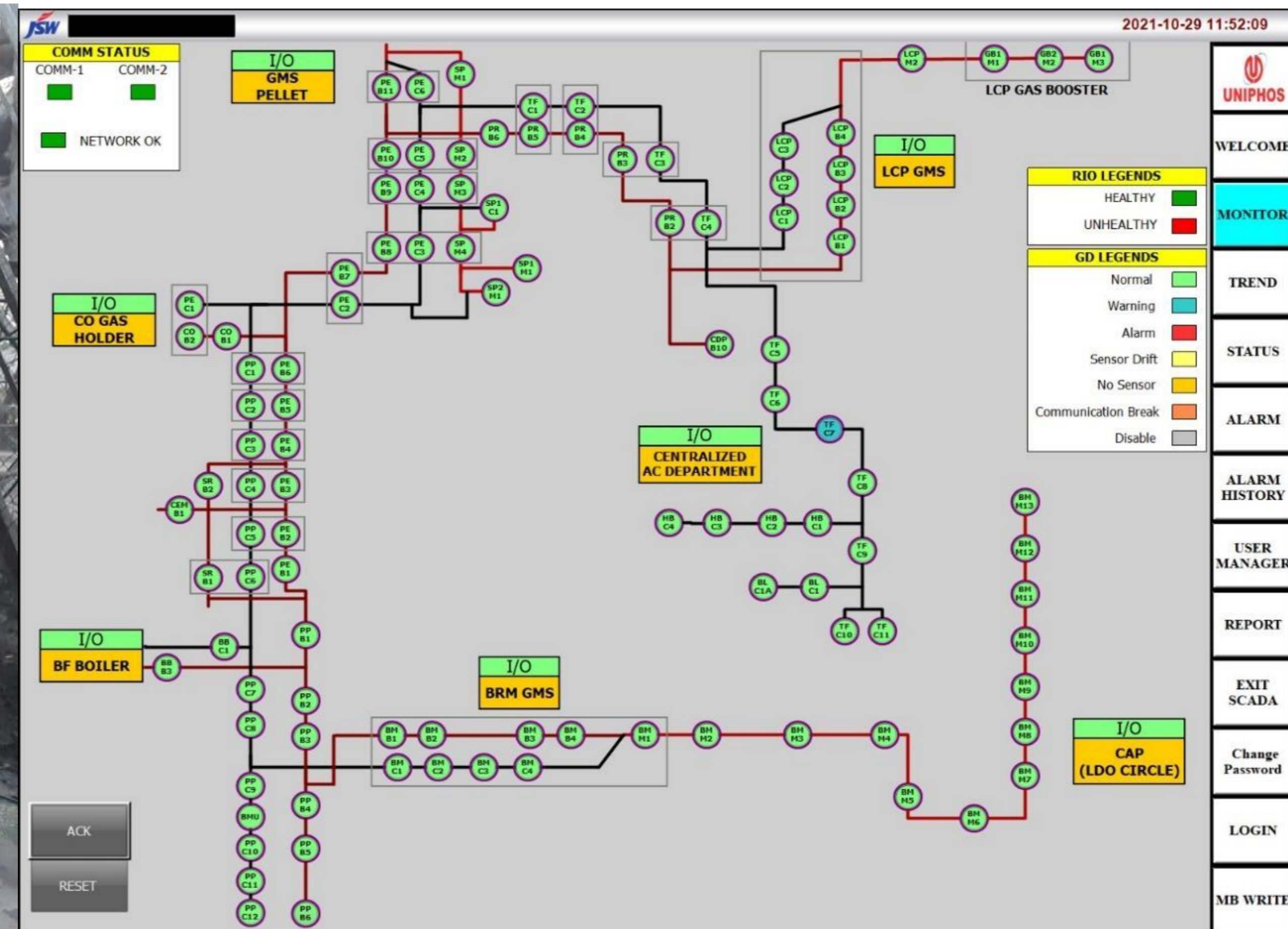


Collecting Cone
Assembly



Pipe Mounting with
Enclosure Assembly

Practical Applications



Centralised CO gas monitoring system installed in JSW Dolvi site, India in their coke oven plant

Practical Applications



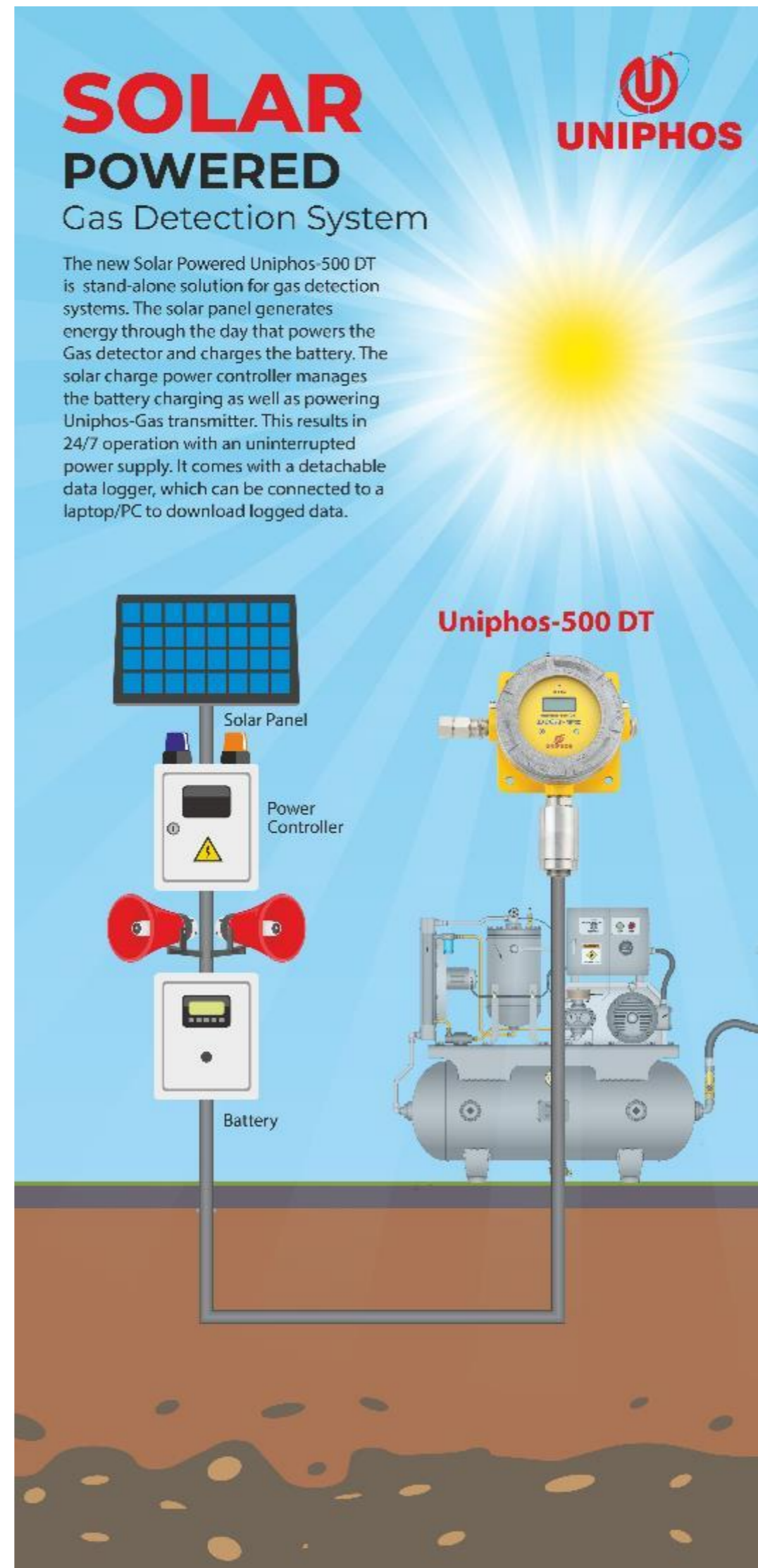
Installation of our KwikSense Digital Gas Transmitter in Halliburton Vessel in India

Practical Applications



Installation of our KwikSense Digital Gas Transmitter in Mexico

Practical Applications



Installation of Solar Powered KwikSense Digital Gas Transmitter in Gujarat Gas Ltd, India

Other Key Specifications

Enclosure

Flameproof- cast aluminum alloy(LM6) or SS-316,

Cable Entries

1/2" NPT/ 3/4" NPT/ M20/M25

Ingress Protection

IP66

Certification

CCOE & CIMFR certified to Ex d IIC, T6, IP66(Cat. No. UJB20130)

ATEX & IECEX certified to

Ex db IIC T6 Gb (Tamb -20°C to +40°C)

Ex db IIC T5 Gb (Tamb -20°C to +55°C)


Ex db IIC T4 Gb (Tamb -20°C to +85°C)

SIL2 Certified


InMetro Certified



Committed to Quality



UNIPHOS ENVIROTRONIC PVT. LTD.




PO. NAHULI, VIA-VAPI, TAL. UMBERGAON, DIST. VALSAD – 396 108, GUJARAT, INDIA.

Bureau Veritas Certification Holding SAS – UK Branch certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the Management System standard detailed below.

Standard

ISO 9001:2015

Certificate Number
Baseefa14ATEX0304X



Issued 14th March 2016
Page 1 of 4

1 EC - TYPE EXAMINATION CERTIFICATE

**2 Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
Directive 94/9/EC**

3 EC - Type Examination Certificate Number: Baseefa14ATEX0304X

4 Equipment or Protective System: Explosion Proof Gas Transmitter / Detector

**5 Manufacturer: Uniphos Envirotronic Pvt Limited
(A UPL Ltd. Group Company)**

**6 Address: P.O. Nahuli, Tal. Umbergoan,
District Valsad, Gujarat State, 396 108, India**



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Standard

ISO 14001:2015



COMPLIANCE
with IEC 61508:2010

Certificate No.: C-IS-274952-01


CERTIFICATE OWNER: **Uniphos Envirotronic Pvt Ltd
A UPL Limited Group Company
P.O. Nahuli, Tal: Umbergoan, Dist: Valsad
PIN: 396 108
Gujarat, India**

**WE HEREWITH CONFIRM THAT
UNIPHOS 500-DT
MEET THE SIL2 REQUIREMENTS**

FOR THE SAFETY FUNCTION: continuous monitoring of the atmosphere for hazardous gases

CERTIFICADO ◆ CERTIFICAT

Committed to Quality





Statement of Confirmation

No.: CE/17-18/77

Client's reference - Technical File Number: CE 500DT

Name & Address of the Manufacturer:
Uniphos Envirotronic Pvt.Ltd.
 PO. Nahuli, Tal. Umbergoan,
 Dist Valsad-396108,
 Gujarat
 INDIA.

Certificate No:
MEDB000052A

EC-TYPE EXAMINATION CERTIFICATE (MODULE B)

Application of: Directive 2014/90/EU of 23 July 2014 on marine equipment (MED). This Certificate is issued by DNV GL SE based on the notification of the Federal Maritime and Hydrographic Agency of Germany.

This is to certify:
That the Fixed oxygen analysis and gas detection equipment

with type designation(s)
UNIPHOS-500DT

Issued to
UNIPHOS ENVIROTRONIC PVT. LTD.
Gujarat, India

is found to comply with the requirements in the following Regulations/Standards:
 Regulation (EU) 2019/1397,
 item No. MED/3.54. SOLAS 74 as amended, Regulation II-2/4 & VI/3 and FSS Code 15



IECEX Certificate of Conformity

INTERNATIONAL ELECTROTECHNICAL COMMISSION
 IEC Certification Scheme for Explosive Atmospheres
for rules and details of the IECEx Scheme visit www.iecex.com

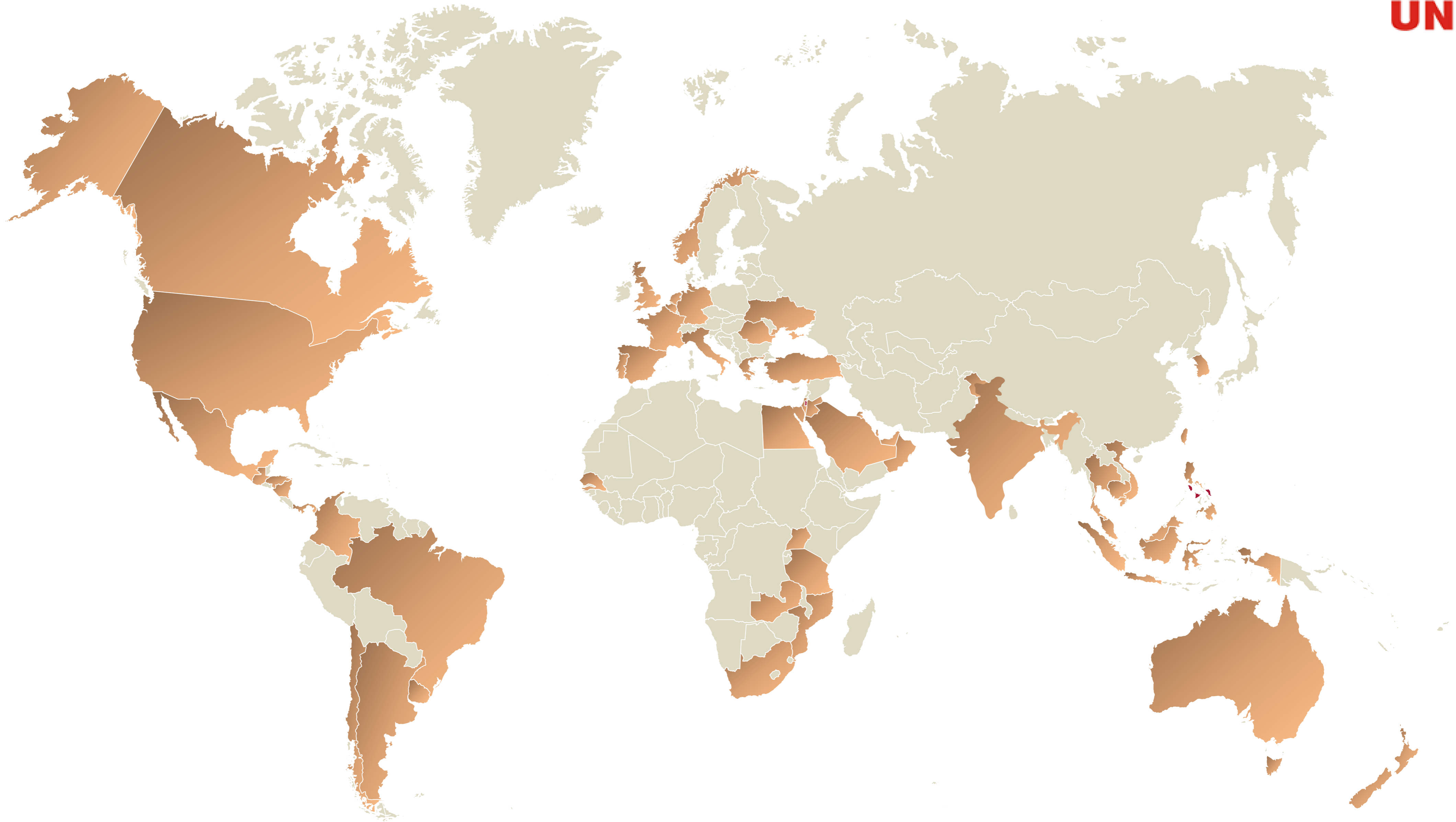
Certificate No.:	IECEX BAS 14.0148X	Issue No: 3	Certificate history: Issue No. 3 (2019-07-16) Issue No. 2 (2018-09-21) Issue No. 1 (2017-12-19) Issue No. 0 (2016-03-14)
Status:	Current	Page 1 of 4	
Date of Issue:	2019-07-16		
Applicant:	Uniphos Envirotronic Pvt Limited (A UPL Ltd. Group Company) P.O. Nahuli Tal. Umbergoan District Valsad Gujarat State 396 108 India		
Equipment:	Explosion Proof Gas Transmitter / Detector		
Optional accessory:			



Certificado de Conformidade Ex

Ex Certificate of Conformity
 Modelo com Avaliação do Sistema de Gestão da Qualidade do Processo de Produção e Ensaio no Produto
 Model with Assessment of Quality Management System of Production Process and Test on Product

Certificado Nº: Certificate N°:	NCC 18.0169 X	Revisão/issue nº.: 0
Data de emissão inicial: Initial issued date:	20/12/2018	Certificado de Conformidade válido somente acompanhado das páginas de 1 a 5 Certificate valid only accompanied of pages 1 through 5
Data de validade: Validity date:	20/12/2021	
Solicitante: Applicant:	Uniphos Envirotronic Pvt. Ltd. P.O.: Nahuli, Tal: Umbergoan, Dist: Valsad Gujarat State 396 108 India	
Produto: Product:	Transmissor/detector de gás 500DT, 499T/5XXT e 599T	
Marca Comercial: Trademark:	N/A	
Tipo principal de proteção: Main type of protection:	d	
Marcação: Marking:	Ex db IIC T6 Gb (-20 °C ≤ Ta ≤ +40 °C) Ex db IIC T5 Gb (-20 °C ≤ Ta ≤ +55 °C) Ex db IIC T4 Gb (-20 °C ≤ Ta ≤ +85 °C)	



Global presence, with distribution network spread over 45+ countries