

THE KEY TO
THERMAL AND
PROCESS
HEATING



DFINITI

TECHNOLOGIES

COMPANY PROFILE

✉ sales@dfiniti-t.com

🌐 www.dfiniti-t.com

in Dfiniti Technologies



01 COMPANY BACKGROUND

Based in Singapore, DFINITI Technologies specializes in designing and manufacturing advanced process heating equipment and systems tailored for a diverse range of industries, including oil and gas, offshore and marine, petrochemical, renewable energy, Carbon Capture and Storage (CCS), and refining.

Our extensive product portfolio features both direct and indirect process heaters,

// all custom-engineered to meet rigorous industrial standards. //

With a wide array of ATEX/IECEX certified Electric Process Heaters, Bath Heaters, Electric Steam Boiler, and more, DFINITI is your one-stop shop for all electric heating needs.

Our manufacturing facility in Malaysia operates as a Licensed Manufacturing Warehouse (LMW) and holds ASEAN Trade in Goods Agreement (ATIGA) accreditation. These credentials allow us to benefit from customs duty exemptions on imported components and exported finished goods, enhancing our efficiency and competitiveness in the market.

With over extensive years of expertise in Electric Process Heating, DFINITI is committed to delivering high-quality, compliant products and reliable services worldwide. We have established a presence across regions including Asia, Middle East, South America, and Africa, allowing us to provide localized support and a tailored experience for our global clientele. DFINITI plays a crucial role in the electrification and decarbonization in various sector through innovative electric process heating solutions. Our commitment to sustainability is exemplified by our cutting-edge technologies, such as advanced cartridge elements and new welding methods, along with ongoing research and development in Medium Voltage applications.

Vision

To engineer innovative green thermal solutions for traditional and renewable sectors - delivering sustainable value for our planet, businesses, and people.

Mission

To drive thermal engineering breakthroughs that set new global benchmarks for industrial efficiency and decarbonisation.

Core Values

H

HUMAN CAPITAL (OUR PEOPLE)
We value, develop, and protect our people

E

EXCELLENCE IN SERVICE (OUR CLIENT)
We deliver high-quality products and services that exceed expectations

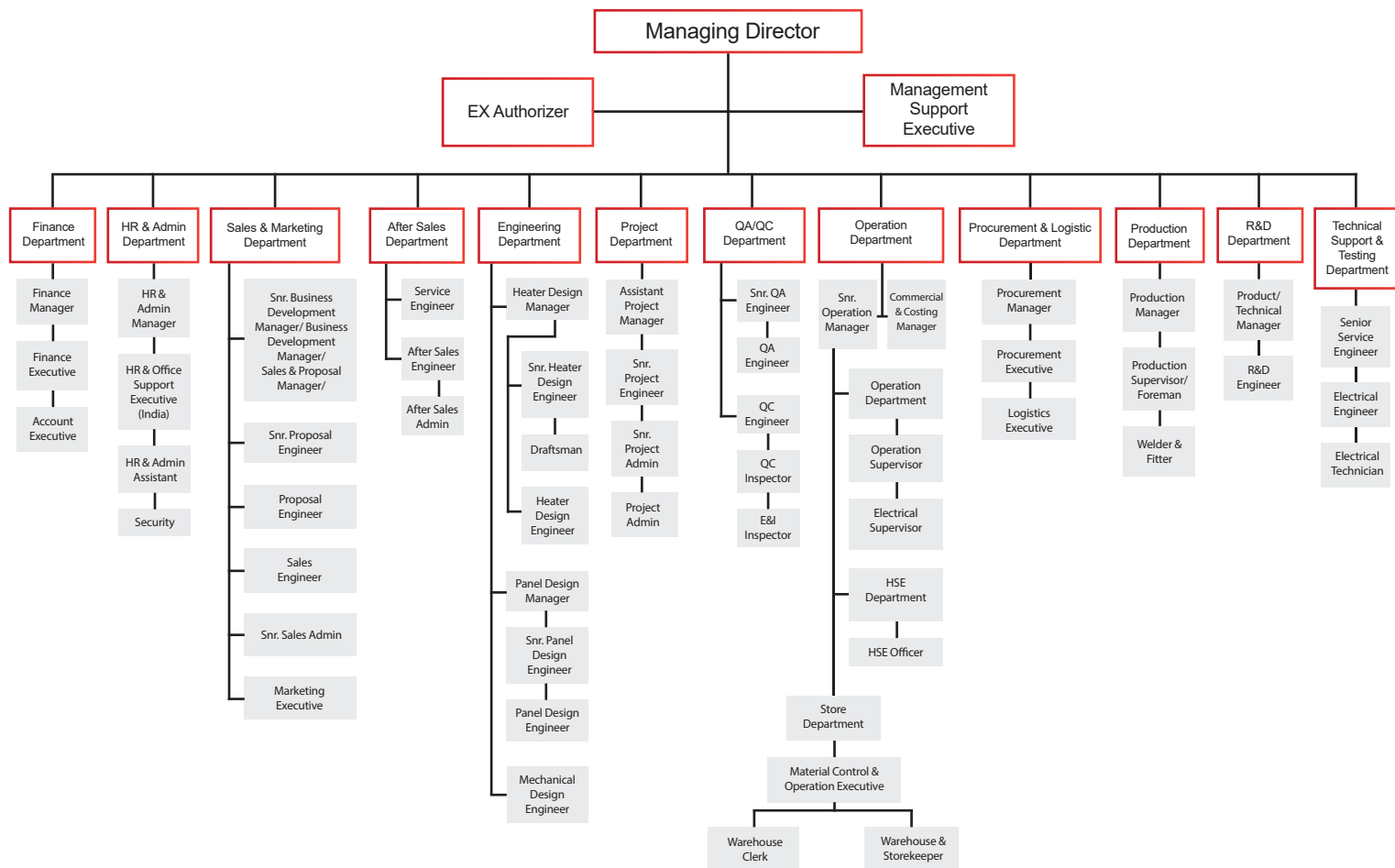
A

ACCOUNTABILITY & INTEGRITY (OUR WORK)
We do what is right and take responsibility for our work

T

TRANSFORMATIVE INNOVATION (OUR FUTURE)
We think creatively to build better, greener technologies

02 ORGANISATION CHART



03 FIELDS OF EXPERTISE

We are dedicated to continually enhancing our designs and advancing our engineering expertise to uphold the highest standards in thermal and process heating technologies, both locally and globally. Our professional team has expanded to cater to a growing array of industries, including:

- Oil and Gas
- FPSO, FLNG, FRSU, FSO
- Petrochemical and Refinery
- Renewable Energy
- Carbon Capture, Utilisation and Storage
- Power Generation
- Blue and Green Ammonia

Other product, Retrofit and Electrification of fossil fuel fired heater to electric heater.

Our commitment to excellence ensures we provide innovative solutions tailored to meet the diverse needs of these key industries.

04 PRODUCT RANGE

We provide custom-engineered and industrial standard products to meet different heating requirements. Our products are meticulously designed for safety and efficacy in both non-hazardous and hazardous environments, and are comprehensively certified to meet all applicable regulatory standards.

Electric Heating System

DFINITI customise the design of **Process Heater** and its system to meet the process demand with duty regulated by Thyristor and/or Contactor using hardwired or PLC controlled. Process heaters are commonly designed with **Thyristor Control Panels** that are capable of modulating load from 0-100% on heater output. For hazardous areas, control panels are designed with an Exd Ex-proof enclosure for small heater load and/or Contactor controlled. Other than the Exd panel, we can offer purged panel Ex'p'.

We provide a **Tank Immersion Heater** to heat and/or maintain the medium in the tank for application such as bitumen, crude oil, condensate or CIP use in Seawater Treatment. Besides the conventional design, cartridge type, L-shape and other shapes of heaters are available. Other than that, we provide heaters that can be skid mounted for ease of installation at the job site. The **Heater Skid Package** is an independent and mobile unit with interconnected heater/control panel skids. On top of that, ATEX and IECEx certified **Standard Heaters** are available. These are lube oil heaters that offer off-the-shelf solutions for heating in Zone 1 or 2 hazardous areas. You can choose from flange and thread connections and we can construct the product from SS304L or SS316L.





Electric heater Series

VoltMaticTM

[Low Voltage Heater]

This series are built for heavy-duty applications, supporting a wide voltage range (120V–690V AC) and delivering high power outputs up to 5000 KW in a single unit. They carry global safety certifications (ATEX, IECEx, UL, ASME, etc.) and are designed for hazardous environments, with explosion-proof ratings for Zone 1 and high-temperature operation (T1–T6 / T85°C–450°C). The heaters come in multiple configurations—including cartridge, L-shape, and dog-leg designs—to fit diverse industrial layouts and heating requirements.

For control and safety, the systems are compatible with thyristor or contactor panels, offering flexible protection levels: IP42/IP54 for standard areas and robust Exd/Exp IP66 enclosures for hazardous zones. These features make our heaters ideal for critical industries like oil refineries, chemical processing, and power plants, where reliability and compliance are non-negotiable.

VoltProTM

[Medium Voltage Heater]

Our medium-voltage industrial heating systems are engineered for extreme power demands, operating from 3300V–6600V AC with a capacity range of 500–20,000 KW in a single bundle. Designed for hazardous environments, they meet rigorous global certifications—including ATEX, IECEx, MET, Inmetro, ECAS EX, ASME, PED, and AS—and are rated for Zone 1 (Gas Groups IIA/IIB/IIC, T1–T6). The robust construction ensures reliable performance in critical applications such as petrochemical plants, power generation, and heavy industrial processing.

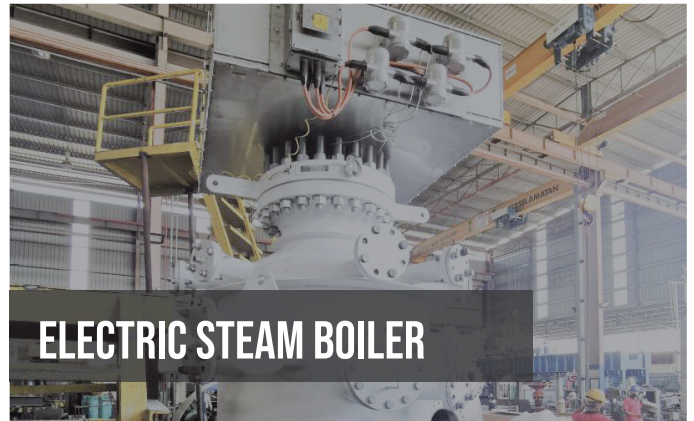
For seamless integration, the heaters pair with thyristor or contractor control panels, available in Safe Area enclosures (IP42/IP54). This combination delivers precision, safety, and durability, making our systems ideal for high-risk settings where uncompromising compliance and performance are essential.

Other Types of Heating System and Package



WATER BATH HEATER

Water is commonly used as the heat transfer medium in this system. For applications requiring higher temperatures, it can be replaced with thermal oil or molten salts. When electric heating is not feasible, burner systems can be designed to comply with API 12K standards.



ELECTRIC STEAM BOILER

A clean, efficient solution for steam generation-available as a standalone unit or a complete package with deaerator, pumps, and condensate recovery. Capable of supplying systems for a wide range of industrial applications, including Medium Voltage requirements.



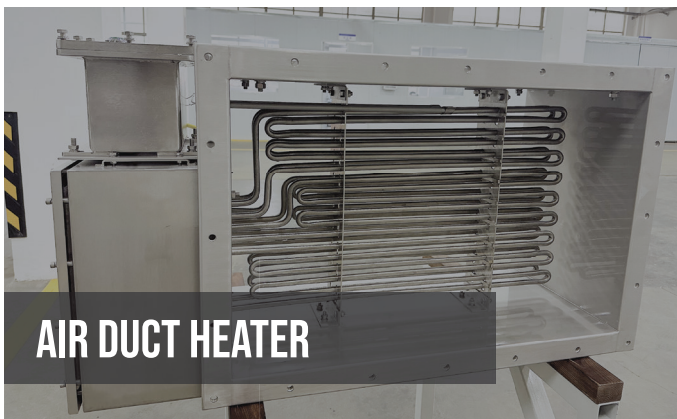
HEATER SKID PACKAGE

A fully integrated heating solution engineered for efficiency and reliability. The skid package combines heaters with essential components including instruments, pumps, valves, and an Exd certificate skid-mounted control panel - delivering streamlined installation and optimal performance in demanding industrial environments.



HOT WATER CALORIFIER

A fully integrated hot water calorifier skid, designed for use in industrial, marine, and offshore environments. Made from durable stainless steel, it includes built-in Air Vent Relief Valve (AVRV) and Pressure Relief Valve (PRV) for high-pressure safety. The system ensures clean and efficient hot water heating.



AIR DUCT HEATER

ATEX/IECEx certified air duct heaters are provided with either unfinned or finned tubular elements, tailored to specific application requirements. Finned elements designs enhance thermal efficiency, while all units are closed in durable housings engineered to minimize vibration and operational noise.



BRAKING RESISTOR

Designed and built to support various operational requirements. Available in both water-cooled and air-cooled configurations, and can be arranged as single units or in multiple-bank assemblies. Each unit can be customized to meet marine classification standards such as DNV, ABS, BV, CCS, and others.

05 OUR EXPERTISE

We acknowledge the vital role of integrated solutions in achieving uninterrupted operations. Drawing on a rich tapestry of diverse experiences and professional backgrounds, our team of experts is adept at providing the comprehensive services necessary to efficiently manage and enhance your thermal processes.

1 | Design and Engineering

2 | Technical Support

3 | Project Management and Documentation

4 | Certification to Meet Regulatory Requirements

5 | Inspection and Testing

6 | Site Visits

7 | Training

8 | Pre-commissioning, Commissioning, Start-up and Troubleshooting

9 | Maintenance

06 QUALITY POLICY & CERTIFICATION

Our Quality Policy highlights the need for the company to:

- Warrant that the products and services always meet our customers' requirements
- Abide by the relevant statutory and regulatory requirements
- Review the QMS on a continued basis for appropriate enhancements

Note!

Please refer to the appendix for our Certificates

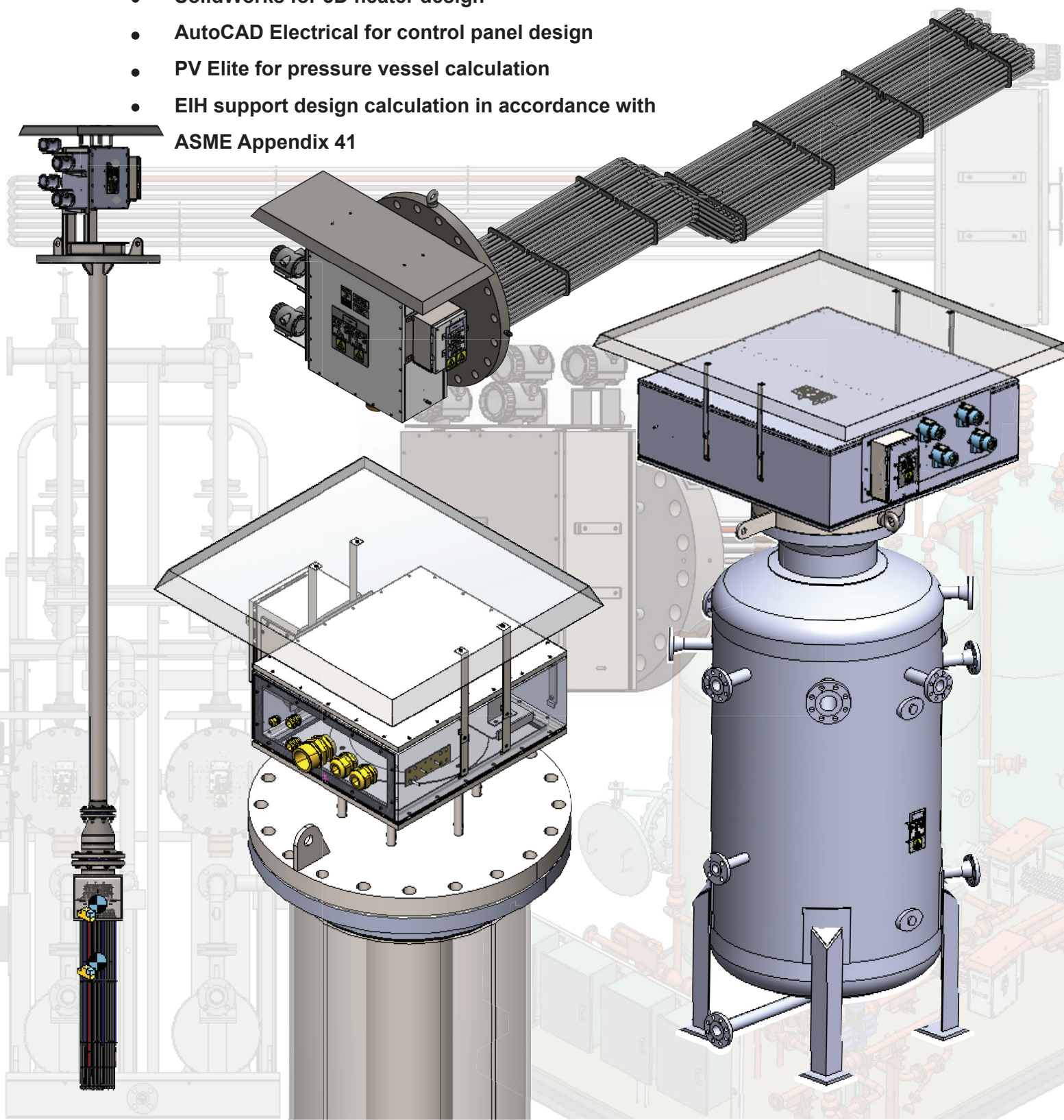
We are committed to abiding by the highest industry standards:

- Quality Management System (QMS) is ISO 9001: 2015 certified
- Certified to ISO 14001:2015 and ISO 45001:2018 for Health, Safety and Environmental (HSE)
- Electric Process Heaters are ATEX/IECEX, UL and Inmetro certified
- Manufacturing facilities are certified to manufacture ATEX and IECEX products under the QAN and QAR systems
- An ASME 'U' Stamp authorised manufacturer of pressure vessels, registered with the National Board. The equipment can also be certified with PED and AS (Australian Standard)
- For Marine Classification, we can meet the requirements defined by esteemed classification societies like American Bureau of Shipping (ABS), DNV GL, Bureau Veritas and alike
- TR CU certificate and Technical Passport. The TR CU (Technical Regulations of the Customs Union) certificate signifies compliance with the technical standards adopted by the Eurasian Customs Union members

07 OUR ENGINEERING CAPABILITIES

Leveraging proprietary and advanced professional software, our engineers and technicians meticulously design and develop tailored thermal systems and equipment to address your process heating challenges. DFINITI employs a suite of specialized software tools, including:

- **Proprietary software, CALCPEX for heater sizing**
- **ASPEN software for design verification**
- **SolidWorks for 3D heater design**
- **AutoCAD Electrical for control panel design**
- **PV Elite for pressure vessel calculation**
- **EIH support design calculation in accordance with ASME Appendix 41**



08 CUSTOMER SUPPORT

(AFTER-SALES SERVICE)

We deliver long-term reliability. Our commitment to customer success continues well beyond installation. With a dedicated support team and proven after-sales solutions, we provide rapid-response service, expert on-site assistance, in-depth training, and swift spare parts replacement. All designed to minimize downtime and maximize performance.



- Ensuring your process heating system and equipment are properly set up and operate smoothly and consultation for any change of equipment
- Onshore and offshore services



- Highly trained and experienced engineer specialization in process heating system performing on site services
- It is necessary to inspect and identify the most cost effective solution for repair and if required modification



- Parts are subject to wear and tear. DFINITI reserves process heating common parts stock items to help you prepare for any critical and urgent replacement



- Proper management and maintenance of the process heating system ensure your equipment operating safety and sustain its performance
- On-site, classroom or virtual

WHY CHOOSE DFINITI?

Over 15 years of extensive experience in Electric Process Heating | A one-stop shop for process heating and thermal solution | A team of engineers with diverse expertise and experience | Cost-effective and reliable products and services | Backed by self-developed software and third-party software | Customer Support with a response time within 24 hours | Localised service - offices in Malaysia, China, India and the United Arab Emirates (UAE)

APPENDIX

* Qualification and Certification

		IECEx Certificate of Conformity	
INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres for rules and details of the IECEx Scheme visit www.iecex.com			
Certificate No.:	IECEx LCIE 19.0001X	Page 1 of 4	Certificate history: Issue 0 (2019-04-02)
Status:	Current	Issue No: 1	
Date of Issue:	2020-02-27		
Applicant:	DFINITI TECHNOLOGIES PTE LTD 7030 Ang Mo Kio Avenue 5, #08-65 Singapore 569880 Singapore		
Equipment:	Electric Heater - Type: PTE**		
Optional accessory:	Junction box - Type: JB**		
Type of Protection:	Ex eb		
Marking:	Ex eb IIA/II/III C T1-T6 Gb IECEx LCIE 19.0001 X See attachment for full marking.		
Approved for issue on behalf of the IECEx Certification Body:		Julien GAUTHIER Certification Officer	
Position:			
Signature: (for printed version)			
Date:	2020-03-26		
1. This certificate and schedule may only be reproduced in full. 2. This certificate is not transferable and remains the property of the issuing body. 3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code. 			
Certificate issued by: Laboratoire Central des Industries Electriques (LCIE) 33 Avenue du General Leclerc FR-92260 Fontenay-aux-Roses France			
			

		IECEx Certificate of Conformity	
INTERNATIONAL ELECTROTECHNICAL COMMISSION IEC Certification System for Explosive Atmospheres for rules and details of the IECEx Scheme visit www.iecex.com			
Certificate No.:	IECEx CML 19.0009X	Page 1 of 4	Certificate history: Issue 0 (2020-09-18)
Status:	Current	Issue No: 1	
Date of Issue:	2022-05-18		
Applicant:	DFINITI TECHNOLOGIES PTE LTD 7030 Ang Mo Kio Avenue 5, #08-65 Singapore 569880 Singapore		
Equipment:	A Range of PTB Flameproof Electric Heaters		
Optional accessory:			
Type of Protection:	Flameproof "db", Increased Safety "eb", Dust Ignition "tb"		
Marking:	Flameproof Heater Ex db IIA/II/III C T1...T6 Gb Ex tb IIIC T85°C...T450°C Db Ta: -55°C to +60°C Flameproof Heater and Optional Ex e control box Ex db eb IIA/II/III C T1...T6 Gb Ta: -55°C to +60°C		
Approved for issue on behalf of the IECEx Certification Body:		L A Brisk Certification Officer	
Position:			
Signature: (for printed version)			
Date: (for printed version)	2022-05-18		
1. This certificate and schedule may only be reproduced in full. 2. This certificate is not transferable and remains the property of the issuing body. 3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code. 			
Certificate issued by: Eurofins E&E CML Limited Unit 1, Newport Business Park New Port Road Ellesmere Port, CH65 4LZ United Kingdom			
			



eurofins



EU Type Examination Certificate 1 Issue 1

- Equipment intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- Equipment **A Range of PTB Flameproof Electric Heaters**
- Manufacturer **Dfiniti Technologies Pte Ltd** **Dfiniti Technologies Sdn Bhd**
- Address **7030 Ang Mo Kio Avenue 5, #08-65 Singapore 569880** **No. 43, Jin Gemilang 3, Taman Perindustrian Cemerlang, 81800 Ulu Tiran, Johor, Malaysia**
- The equipment is specified in the description of this certificate and the documents to which it refers.
- CML B.V., Chamber of Commerce No 6738671, Koopvaardijweg 32, 4906CV Oosterhout, The Netherlands, Notified Body Number 2776, in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, certifies that this equipment has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of equipment intended for use in potentially explosive atmospheres given in Annex II to the Directive.
- The examination and test results are recorded in the confidential reports listed in Section 12.
- If an 'X' suffix appears after the certificate number, it indicates that the equipment is subject to conditions of safe use (affecting correct installation or safe use). These are specified in Section 14.
- This EU Type Examination certificate relates only to the design and construction of the specified equipment or component. Further requirements of Directive 2014/34/EU Article 13 apply to the manufacture of the equipment or component and are separately certified.
- Compliance with the Essential Health and Safety Requirements, with the exception of those listed in the confidential report, has been demonstrated through compliance with the following documents:
EN IEC 60079-0:2018 EN 60079-1:2014 EN 60079-7:2015
EN 60079-31:2014
- The equipment shall be marked with the following:
Flameproof Heater **Flameproof Heater and Optional Ex e Control Box**
 
Ex db IIA/II/III C T1...T6 Gb Ex db eb IIA/II/III C T1...T6 Gb
Ex tb IIIC T85°C...T450°C Db Ta: -55°C to +60°C
Ta: -55°C to +60°C



Quality Assurance Notification CML ATEXQ12012 Issue 0

- Equipment or Protective Systems or Components intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- The scope of this notification extends to equipment, protective systems or components:
Explosion proof heater Protection Methods: **Increased safety Ex e
Flameproof Ex d
Encapsulation Ex m
Dust protected Ex t**
- All current certificates issued by Eurofins CML B.V. within the above scope and other Notified Body certificates acknowledged by Eurofins CML B.V.
- Applicant **DFINITI Technologies Pte Ltd**
- Manufacturer **DFINITI Technologies Sdn Bhd**
- Address **DFINITI Technologies Pte Ltd** **DFINITI Technologies Sdn Bhd**
7030 Ang Mo Kio Avenue 5, #08-65 Singapore 569880
No. 31, Jalan Gemilang 6, Taman Perindustrian Cemerlang, 81800 Ulu Tiram, Johor, Malaysia
- Eurofins CML B.V. Chamber of Commerce No 67386717, Koopvaardijweg 32-34, 4906 CV Oosterhout, The Netherlands, Notified Body Number 2776, for Annexes IV and VII in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council, dated 26 February 2014, notifies the applicant that the manufacturer has a quality system that complies with Annex IV and Annex VII of the Directive.
- This Notification is based upon audit report R18185A/00
- This Notification may be withdrawn if the manufacturer does not satisfy the requirements of the Directive or surveillance.
- This Notification is valid until the date shown below unless withdrawn. The results of periodical re-assessment form part of this Notification.
- According to Article 16, 3 of Directive 2014/34/EU the CE mark shall be followed by the identification number 2776 to identify the Notified Body responsible for conducting the production control assessment.
- Notification summary
Initial issue 0 Issue date 16-01-2019
Current issue 5 Issue date 14-01-2025 Expiry 13-12-2027



ATTESTATION D'EXAMEN UE DE TYPE EU TYPE EXAMINATION CERTIFICATE



1 Version : 01

LCIE 18 ATEX 3030 X

Issue : 01

- Directive 2014/34/UE**
Appareil ou Système de Protection destiné à être utilisé en Atmosphères Explosibles
- Directive 2014/34/UE**
Equipment or Protective System Intended for use in Potentially Explosive Atmospheres
- Produit :
Réchauffeur électrique
- Product :
Electric Heater
- Type : PTE** et/and JB**
- Fabricant :
DFINITI TECHNOLOGIES PTE LTD
- Adresse :
7030 Ang Mo Kio Avenue 5
#08-65 Singapore 569880
- Ce produit et ses variantes éventuelles acceptées sont décrits dans l'annexe de la présente attestation et dans les documents descriptifs cités en référence.
- This product and any acceptable variations thereto are specified in the schedule to this certificate and the documents therein referred to.
- Le LCIE, Organisme Notifié sous la référence 0081 conformément à l'article 17 de la directive 2014/34/UE du Parlement européen et du Conseil du 26 février 2014, certifie que ce produit est conforme aux Exigences Essentielles de Sécurité et de Santé pour la conception et la construction de produits destinés à être utilisés en atmosphères explosibles, données dans l'annexe II de la Directive.
- LCIE, Notified Body number 0081 in accordance with article 17 of the Directive 2014/34/UE of the European Parliament and the Council of 26 February 2014 certifies that product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres, given in Annex II to the Directive.
- Les résultats des vérifications et essais figurent dans le(s) rapport(s) confidentiel(s) N° :
140724-683236 et/and 159008-731229
- The examination and test results are recorded in confidential report(s) N°:
159008-731229
- Le respect des Exigences Essentielles de Sécurité et de Santé est assuré par la conformité à :
EN 60079-0:2012+A11:2013 et/and EN 60079-7:2015
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with:
EN 60079-0:2012+A11:2013 et/and EN 60079-7:2015
- Le signe « X » lorsqu'il est placé à la suite du numéro de l'attestation, indique que cet appareil est soumis aux conditions particulières d'utilisation, mentionnées dans l'annexe de cette attestation.
- If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.
- Cette Attestation d'Examen UE de Type concerne uniquement la conception et la construction du produit spécifié. Des exigences supplémentaires de la directive sont applicables pour la fabrication et la fourniture du produit. Ces dernières ne sont pas couvertes par la présente attestation.
- This EU Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- Le marquage du produit est mentionné dans l'annexe de cette attestation.
- The marking of the product is specified in the schedule to this certificate.

Fontenay-aux-Roses, le 26 mars 2020

Responsable de Certification



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CERT-ATEX-FORM 04 Rev. 05 Page 1 / 5

LCIE

Laboratoire Central des Industries Electriques
Une société de Bureau Veritas

33 Avenue du Général Leclerc
92240 Fontenay-aux-Roses
FRANCE

WWW.LCIE.FR



Certificate of Registration

This certificate has been awarded to

DFINITI Technologies Sdn Bhd

No. 31 Jalan Gemilang 6, Taman Perindustrian Cemerlang, 81800 Ulu Tiram, Johor, Malaysia

In recognition of the organization's Occupational Health and Safety Management System which complies with

ISO 45001:2018

The scope of activities covered by this certificate is defined below

Provision of Design, Manufacture and After Sales Support of Heat Transfer System and other Process Control Equipment and Related Products

Certificate Number 138681/A/0001/UK/En			
Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
23 December 2024	1	22 December 2027	1
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
23 December 2024	0	23 December 2024	n/a

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

Issued by



Mukesh Singhal - On behalf of the Schemes Manager

URS is a member of United Register of Systems (URS) Ltd, United House, 28 Frook Road, Singapore, 487074, URS Ltd, Company Registration no. 1204888

1/1



Certificate of Registration

This certificate has been awarded to

DFINITI Technologies Pte Ltd

(Office) 7030 Ang Mo Kio Avenue 5 #08-65, Northstar Building, Singapore 569880,
(Workshop) No. 31 Jalan Gemilang 6, Taman Perindustrian Cemerlang, 81800 Ulu Tiram, Johor, Malaysia

In recognition of the organization's Quality Management System which complies with

ISO 9001:2015

The scope of activities covered by this certificate is defined below

Provision of Design, Manufacture and After Sales Support of Heat Transfer System and other Process Control Equipment and Related Products

Certificate Number 87299/A/0001/UK/En			
Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
27 March 2024	6	26 March 2027	3
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
01 March 2024	0	27 March 2018	n/a

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

Issued by



If there is any doubt as to the authenticity of this certificate, please do not hesitate to contact the Head Office of the Group or an affiliated certification body. URS is a member of United Register of Systems (URS) Ltd, United House, 28 Frook Road, Singapore, 487074, URS Ltd, Company Registration no. 1204888

1/1



Certificate of Registration

This certificate has been awarded to

DFINITI Technologies Sdn Bhd

No. 31 Jalan Gemilang 6, Taman Perindustrian Cemerlang, 81800 Ulu Tiram, Johor, Malaysia

In recognition of the organization's Environmental Management System which complies with

ISO 14001:2015

The scope of activities covered by this certificate is defined below

Provision of Design, Manufacture and After Sales Support of Heat Transfer System and other Process Control Equipment and Related Products

Certificate Number 138681/B/0001/UK/En			
Date of Issue of Certification Cycle	Issue Number	Certificate Expiry Date	Certification Cycle
24 December 2024	1	23 December 2027	1
Revision Date	Revision Number	Original Certificate Issue Date	Scheme Number
24 December 2024	0	24 December 2024	n/a

For detailed explanation for the data fields above, refer to <http://www.urs-holdings.com/logos-and-regulations>

Issued by



Mukesh Singhal - On behalf of the Schemes Manager

If there is any doubt as to the authenticity of this certificate, please do not hesitate to contact the Head Office of the Group or an affiliated certification body. URS is a member of United Register of Systems (URS) Ltd, United House, 28 Frook Road, Singapore, 487074, URS Ltd, Company Registration no. 1204888

1/1



The American Society of Mechanical Engineers

CERTIFICATE OF AUTHORIZATION

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

DFINITI Technologies Sdn Bhd
No.31, Jalan Gemilang 6,
Taman Perindustrian Cemerlang,
Ulu Tiram, Johor 81800
Malaysia

SCOPE:

Manufacture of pressure vessels at the above location only

AUTHORIZED: January 22, 2025
EXPIRES: January 22, 2028
CERTIFICATE NUMBER: 56890

Gary L. Schirmer
Board Chair,
Conformity Assessment



Matthew Vanguey
Senior Director,
Engineering Operations

UNITED ARAB EMIRATES
MINISTRY OF INDUSTRY
& ADVANCED TECHNOLOGY



الإمارات العربية المتحدة
وزارة الصناعة
والتكنولوجيا المتقدمة

شهادة مطابقة CERTIFICATE OF CONFORMITY

Certificate Number:	26-04-190931/E26-03-196290/NB0003	رقم الشهادة:
Registration Date:	17/04/2026	تاريخ التسجيل:
Valid Until:	16/04/2027	صلاحية:
Issued To:	DFINITI OIL & GAS SERVICES - L.L.C - S.P.C P.O. Box 00000, Workhub Business Centre Musaffah Abu Dhabi, United Arab Emirates	أصدرت إلى:
Sector:	Electrical كهرباء	قطاع:
Regulation:	ECAS-Ex الأجهزة الكهربائية المعدة للاستخدام في الأجواء القابلة للاشتعال	اللائحة:
Product Category:	ECAS-Ex الأجهزة الكهربائية المعدة للاستخدام في الأجواء القابلة للاشتعال	التصنيف:
Product Sub-Category:	ECAS-Ex الأجهزة الكهربائية المعدة للاستخدام في الأجواء القابلة للاشتعال	التصنيف الفرعي للمنتج:

Please check Schedule of certification for all product details يرجى التحقق من بيان التسجيل المرفق لجميع تفاصيل المنتجات



جهة معتمدة من قبل وزارة الصناعة والتكنولوجيا المتقدمة
Notified body by Ministry of Industry and Advanced Technology



المنتجات مسجلة في نظام تقييم المطابقة الإماراتي (إيكاس) بناءً على مطابقتها للمواصفات المعتمدة للمواصفات المعتمدة
Products are registered under the Emirates Conformity Assessment Scheme (ECAS) based on compliance to the Approved Standards

600565554

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IECEX Quality Assessment Report Summary

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

QAR Ref. No.:	GB/CML/QAR18.0034/06	Page 1 of 1
QAR Free Ref. No.:	R18185A/00	Status: Issued
Details of change:	Recertification and change of address	Date of issue: 2025-01-14
Location(s) audited:	DFINITI TECHNOLOGIES PTE LTD 7030 Ang Mo Kio Avenue 5, #08-05 Singapore 569890 Singapore	Valid until: 2027-12-13 Audit date: 2024-12-06
Issuing ExCB:	CML - Eurofins E&E CML Limited	
Manufacturer:	DFINITI TECHNOLOGIES PTE LTD 7030 Ang Mo Kio Avenue 5, #08-05 Singapore 569890	
Location of Manufacturer:	Singapore	
Product information:	Explosion proof heater	
Type of protection:	Ex e Ex d Ex m Ex t	
Related QARs:	GB/CML/QAR18.0034/00 GB/CML/QAR18.0034/03	GB/CML/QAR18.0034/01 GB/CML/QAR18.0034/04 GB/CML/QAR18.0034/02 GB/CML/QAR18.0034/05
Related Certificates (manual insertion):		
Related Certificates (automatic linking):		
Related Certificates for previous versions:	IECEX CML 19.0009X issue: 0 IECEX LCIE 19.0001X issue: 1	IECEX CML 19.0009X issue: 1 IECEX NEP 19.0041X issue: 0 IECEX LCIE 19.0001X issue: 0
Comments:	Removed concept Ex iaIb	

THE NATIONAL BOARD OF BOILER & PRESSURE VESSEL INSPECTORS

Certificate of Authorization to Register



This is to certify that

DFINITI Technologies Sdn Bhd
No. 43, Jalan Gemilang 3,
Taman Perindustrian Cemerlang,
Ulu Tiram, Johor 81800
Malaysia

is authorized to apply the "NB" mark and register boilers, pressure vessels or other pressure retaining items with the National Board.

The scope of Authorization is limited to items manufactured in accordance with:

ASME Designator(s): U

Issue Date: January 22, 2019

This Certificate of Authorization to Register will remain in effect as long as the manufacturing organization holds a valid Certificate of Authorization issued by the American Society of Mechanical Engineers.

Executive Director

[Signature]

Certificado de Conformidade Ex
Ex Certificate of Conformity
Modelo com Avaliação do Sistema de Gestão da Qualidade do Processo de Produção e Ensaios no Produto (5)
Model with Assessment of Quality Management System of Production Process and Test on Product (5)

Certificado Nº: NCC 22.0061 X Revisão / Issue nº.: 0
Data de emissão inicial: 31/05/2022 Certificado de Conformidade válido somente acompanhado das páginas de 1 a 5
Data de validade: 31/05/2028
Solicitante: Dfiniti Technologies PTE LTD
Fabricante: Dfiniti Technologies PTE LTD
Produto: Aquecedores elétricos PTB
Marca Comercial: NIA
Tipo principal de proteção: d, e, t
Marcação: Ex db IIA/IB/IIIC T1...T6 Gb
Ex tb IIIC T85 °C...T450 °C Db
Ex db eb IIA/IB/IIIC T1...T6 Gb – opcional com caixa de junção
(- 55 °C ≤ T_{amb} ≤ + 60 °C)

Aprovado para emissão em conformidade com o regulamento e normas aplicáveis
Posição: Isaias Teixeira do Carmo Júnior
Gerente de Processos

Certificado emitido conforme requisitos da avaliação da conformidade de equipamentos elétricos para atmosferas explosivas, anexo às Portarias
Imetro nº. 115 de 21 de março de 2022.

1. Este certificado somente pode ser reproduzido com todas as folhas.
2. Este certificado não é transferível e é de propriedade do organismo emissor.
3. A situação e autenticidade deste certificado podem ser verificadas no website oficial do Imetro.
4. Este certificado de conformidade foi emitido por um organismo de certificação acreditado pela CGCRE - Coordenação Geral de Acreditação.

Certificado emitido por: NCC Certificações do Brasil Ltda.
Av. Orosimbo Maia, nº 360, Campinas, SP, Brasil, CEP 13010-211
CNPJ nº 16.587.151/0001-28
www.ncc.com.br

FNCC_205 Página 1 de 5 Rev. 27

CERTIFICADO DE AVALIAÇÃO DA CONFORMIDADE EX
EX CONFORMITY ASSESSMENT CERTIFICATE
Modelo com Avaliação do Sistema de Gestão da Qualidade do Processo de Produção e Ensaios no Produto (5)
Model with Assessment of Quality Management System of Production Process and Test on Product (5)

Certificado / Certificate NCC 22.0032 X Revisão / Issue nº.: 1
Data de emissão inicial: 29/04/2022 Data de Validade: 29/04/2028
Detentor da tecnologia: DFINITI TECHNOLOGIES PTE LTD
Solicitante: Inovaren Comercial Ltda.
Fabricante: DFINITI Technologies Sdn Bhd
Produto / Modelo: Aquecedor, SH-***-***
Marca Comercial: DFINITI
Tipo principal de proteção: d, m, t
Marcação: Ex db IIC T4/T3 Gb
Ex tb IIIC T135°C / T200 °C Db IP66 – sem termostato
Ex db mb IIC T4/T3 Gb
Ex tb IIIC T135°C / T200 °C Db IP66 – com termostato
(- 50 °C ≤ T_{amb} ≤ + 60 °C)

Aprovado para emissão em conformidade com o regulamento e normas aplicáveis
Posição: Isaias Teixeira do Carmo Júnior
Gerente de Processos

Certificado emitido conforme requisitos da avaliação da conformidade de equipamentos elétricos para atmosferas explosivas, anexo à Portaria Imetro nº. 115 de 21 de março de 2022.

1. Este certificado somente pode ser reproduzido com todas as folhas.
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4. Acesse o site oficial do INMETRO para verificar a autenticidade do certificado através do QR Code.

FNCC_205 – Rev.34

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

Certificate No.: IECEx NEP 19.0041X Page 1 of 3 Certificate history:
Status: Current Issue No: 0
Date of Issue: 2020-03-18
Applicant: DFINITI TECHNOLOGIES PTE LTD
Equipment: Explosion-proof Space Heater, Model SH-***-*** **
Optional accessory:
Type of Protection: Ex db, mb, tb
Marking: Ex db IIC T4/T3 Gb, Ex tb IIIC T135°C / T200°C Db IP66 (Without thermostat)
Ex db mb IIC T4/T3 Gb, Ex tb IIIC T135°C / T200°C Db IP66 (With thermostat)
T_{ambiente} : -50°C ~+60°C

Approved for issue on behalf of the IECEx Certification Body: Xu Jianping
Position: Managing Director
Signature: 18 March, 2020
Date:

1. This certificate and schedule may only be reproduced in full.
2. This certificate is not transferable and remains the property of the issuing body.
3. The Status and authenticity of this certificate may be verified by visiting www.iecex.com or use of this QR Code.

Certificate issued by: Shanghai Inspection and Testing Institute of Instruments and Automatic Systems Co., Ltd. (SITIA/SI)
National Supervision and Inspection Center for Explosion Protection and Safety of Instrumentation (NEPSI)
103 Cao Bao Road
Shanghai 200233
China

SIRIM QAS INTERNATIONAL
SIRIM QAS International Sdn.Bhd. (410334-X)
No. 1, Persiaran Dato Menteri, Section 2,
40700 Shah Alam,
Selangor Darul Ehsan, Malaysia.
Tel: 03-55446184
Fax: 03-55446185
www.sirim-qas.com.my

TEST CERTIFICATE

Certificate No : 2020RFEMCT/TC0003
Applicant : DFINITI TECHNOLOGIES SDN. BHD. (1202241-W)
Address : No. 43, Jalan Gemilang 3,
Taman Perindustrian Cemerlang,
81800 Ulu Tiram,
Johor. MALAYSIA
Product : GAS ELECTRICAL HEATER CONTROL PANEL
Brand : DFINITI
Model : T19033
Reference Standard / : IEC 61000-6-4: 2018 / CISPR 11 : 2016
IEC 61000-6-2 : 2016
IEC 61000-3-12 : 2018
IEC 61000-3-11 : 2017
IEEE Std 519 : 2014
Method of Test : IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5
IEC 61000-4-6, IEC 61000-4-8, IEC 61000-4-9, IEC 61000-4-11
Job No. : J20201410335
Test Report No. / Date : 2020RE0325 (3 August 2020) & 2020EAD0046 (29 September 2020)
Summary : The sample of product submitted was tested and found to be in conformity with the above standard.

Approved By: (ZARISMAIL ABDUL RAHMAN)
Head
RF & EMC Testing Section
Testing Services Department

This Test Certificate refers only to samples submitted by the applicant to SIRIM QAS International Sdn. Bhd. and tested by SIRIM QAS International Sdn. Bhd. This Test Certificate shall not be reproduced, except in full and shall not be used for any purpose by any means or forms (including but not limited to advertising purposes) without written approval from the Chief Executive Officer, SIRIM QAS International Sdn. Bhd.
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Note: This Certificate is issued pursuant to the terms set out overlaid.

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Musaffah – M22 – Abu Dhabi –
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4006004, Maharashtra, India.

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