

COMPANY

PROFILE

**2020 MENA
GREEN BUILDING
AWARD WINNER**



ABOUT US

Smart Insulation Finishing Systems (SIFS) is a high-tech manufacturing company (a part of Greentech group) located in Umm Al Quwain (UAQ) in United Arab Emirates which was established in 2016. We manufacture innovative products to address the energy leak issues through the building envelope- walls, roof and windows. We also provide a wide range of durable and proven waterproofing and repair solutions which can be used for both new and existing buildings. Our team at SIFS are a group of experienced industry professionals who are experts in the insulation and waterproofing field for the past 30 years.

WHY BUILDING ENVELOPE

Building's envelope, especially walls, contributes to as much as 45% of energy losses in building when poorly insulated. Good thermal insulation for the envelope is crucial to prevent heat from penetrating through the exterior of the building. In the Middle East particularly when a lot of energy is consumed for cooling of buildings, the use of good insulation can be very beneficial as it keeps the warm air sealed out and the cool air sealed within the buildings.

OUR GROUP



Greentech Group of companies, headquartered in Dubai, UAE, has its interests mainly in the chemical segment of the construction industry. The company was founded to leverage the team's 40 years of application experience to provide solutions and products that are a result of innovations realized by technology crossovers and manufacturing prowess.

The group currently has 5 manufacturing entities based out of UAE and Malaysia in the field of Waterproofing, Sealants, Fireproofing, UV curing GRP composite and Energy saving products. The group has over 500 employees situated out of 8 countries catering to the needs of our customers. The group is also engaged in contract manufacturing for very large organizations in these segments thereby extending their global reach in the most effective and economical manner.



InnoBit is an internationally renowned source for Waterproofing products for interior and exterior applications. Enriched with over 4 decades of activity and supported by applicator feedback, we have been able to combine the best in manufacturing technology and latest developments in chemistry to bring innovative changes to some of the key products and systems used in waterproofing today.



A high-tech sealant and adhesive manufacturing company based in the UAE since 2012 that produces wide range of sealants, adhesives, protective coatings, and tapes. TME has been able to win confidence and work with reputed companies including multinationals worldwide offering Triton branded products as well as private label solutions.



SolarTech International Ltd was founded in 2008 to promote and market the SolarTech UV Curing range of products created in 2006, which are the result of over 30 years of research and development focused on producing GRP sheet laminates that can be cured by UV radiation.



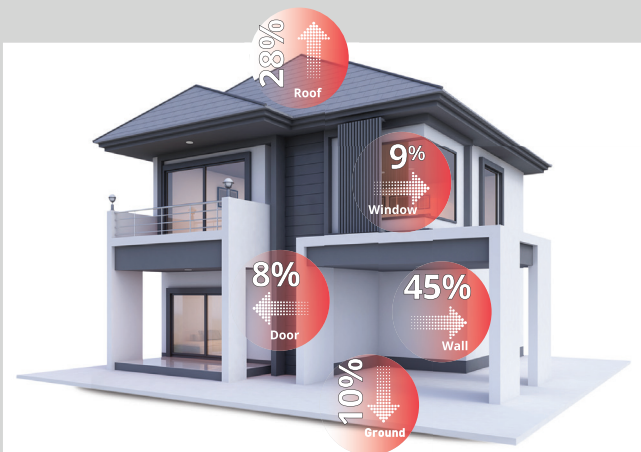
High Performance Building envelope insulation for walls and roofs including specialized waterproofing coatings for new and existing buildings.

OUR VISIONS

The objective through SIFS technologies is to build net-zero-energy buildings whilst keeping the overall project costs low; aiming a Return over investment < 6 years. We believe to achieve net zero energy, we need to first reduce the energy demand. SIFS technologies target reduction of air conditioning demand significantly which is the major energy consumer in buildings in the middle east. Once this is achieved, the investment required in renewable energy to offset the consumption is exceptionally lower. Using SIFS insulation systems reduces the HVAC cooling load significantly. Furthermore, the HVAC equipment performance can be improved using our Smart Saver solutions. Using these strategies the overall HVAC demand can be reduced upto 65%.



Why Building Envelope



Building's envelope, especially walls, contributes to as much as 45% of the energy required in buildings. Good thermal insulation for the envelope is crucial to prevent heat from seeping in through the exterior of the building. In the Middle East particularly when a lot of energy is consumed for cooling of buildings, the use of good insulation can be very beneficial as it keeps cool air sealed within the buildings.

TYPICAL ENERGY LOSSES FROM A HOUSE WITHOUT PROPER INSULATION

OUR PORTFOLIO

SMART wall™

Smart Wall range of products include various insulation products which is used for the exterior wall of buildings. The solutions include EIFS systems & also masonry wall systems. Smart Wall Masonry Panel System is state-of-the-art EIFS which replaces the usual block-work substrate and replaces this with interlocking masonry units for internal and external side. SWMP is primarily used as insulation solution for exterior walls in new projects. Smart Wall Panels, on the other hand, is a rigid foam insulation panel with cementitious facing; used as insulation core in tradition EIFS systems. This can be used for new construction projects or as a retrofit solution for existing buildings. The most recent range of products also include thermal masonry units with environmental friendly innovative insulation core.

SMART therm

A stylish range of profiles to suit every facade. SIFS offers a wide range of architectural profiles of both residential and commercial applications. Its superior quality, durability flexibility creative and practical solutions to the designer - to give each building its distinctive style. The profiles are available in different sizes and shapes from straight lengths to arches and curves. The designs complement both the modern and the contemporary thus enabling the preservation of the style, aesthetics, and beauty of both classic and modern architecture. Smart Therm architectural profiles are manufactured under stringent quality control to ensure a product exclusive in its design, superior in its quality and resistant to UV radiation, rain, or any harsh environment.

SMART saver

Smart saver includes energy auditing and retrofitting services with a focus on the building envelope. SIFS use state-of-the-art thermography tools and in-situ U value (thermal conductance) monitoring devices to measure the condition of the existing envelope before recommending envelope retrofit solutions using the right thickness of insulation.

SMART roof™

Smart roof includes range of innovative and high performance insulation and waterproofing products. The insulation core is primarily Polyurethane foam but SIFS has tailored this product for the future with launching environmental friendly PU foam. Our waterproofing solutions are applicable for both new and existing buildings and includes state-of-the-art leak detecting and repair technologies. The range of waterproof coatings include polyurethane, acrylic, cementitious, urethane, hydrophobic polyester based and epoxy resin-based coatings. The application scope includes roofs, and new and old metal roof, swimming pools, wet areas , planter boxes , basements, water tanks, foundation and concrete structures.

SMART window VIG

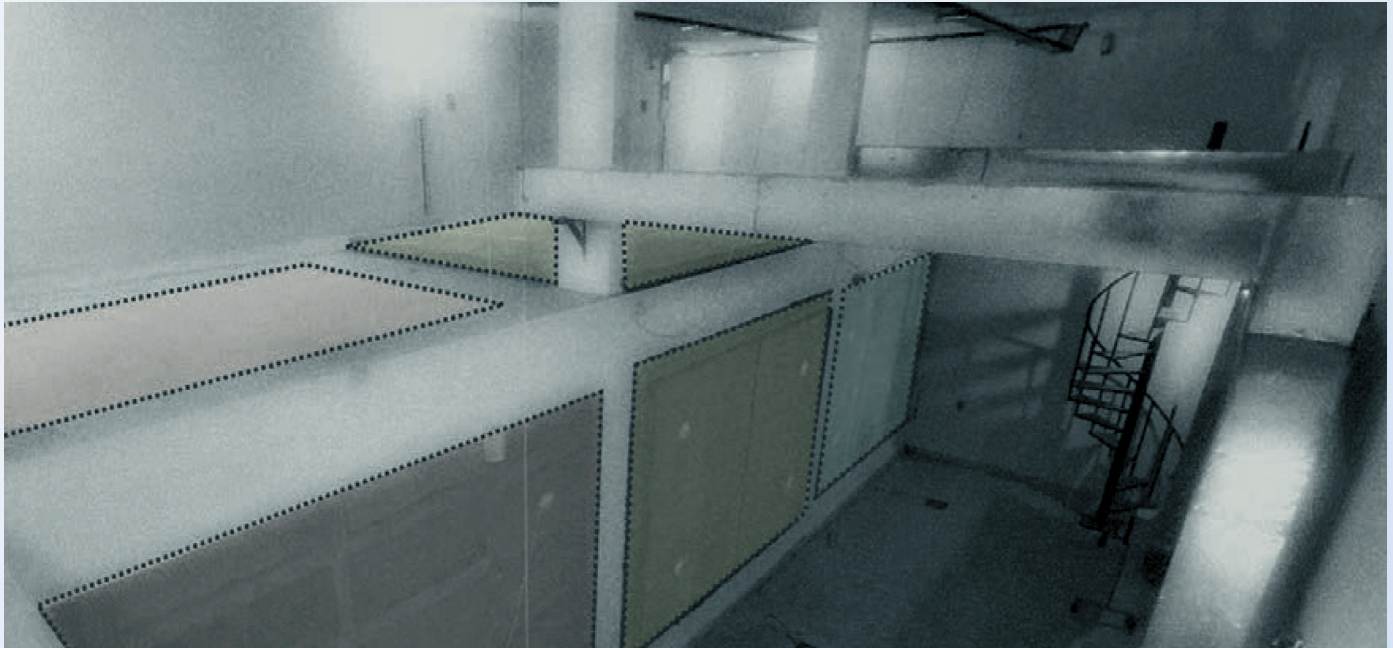
This is the latest vacuum insulated glazing from SIFS. Vacuum insulated glazing is an emerging technology aimed at meeting the severe thermal performance requirements of net-zero energy windows. By creating a vacuum between panes of glass instead of standard gas sealing, thermal efficiency and sound insulation is maximized.

SMART solutions

These include innovative solutions engineered to solve waterproofing problems seen in existing structures. It's a combination of products used to address these areas - basement leak issues; metal roof coating (new & existing); and concrete roof coating & repair solutions. This also includes tile-on-tile systems, which is smart renovation techniques for leaking bathrooms, fountain features, and swimming pools. They use advanced materials and are cost-effective as well due to ease of application.

RESEARCH AND DEVELOPMENT

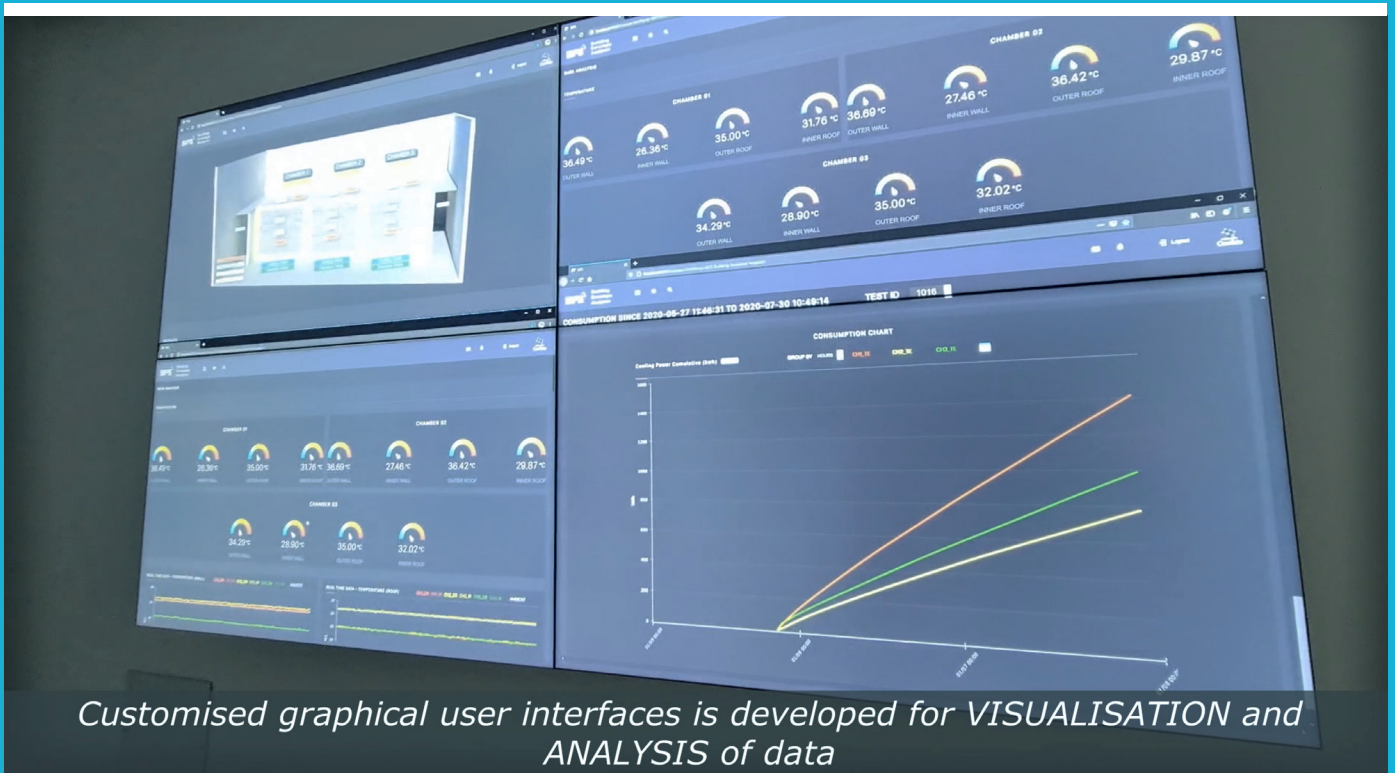
BUILDING ENVELOPE ANALYZER



As a part of the product development, SIFS needed to study the performance of building envelope insulation materials in detail under realistic boundary conditions and understand the impact it can have on energy demand. SIFS R & D programme, therefore, developed on-site testing capacity, which is also complemented with a singular permanent facility. The “SIFS Building Envelope Analyzer” (SIFS BEA) is a novel test facility used for full scale testing of building envelope systems under realistic boundary conditions.

The facility is envisioned as the cornerstone of its inhouse product development & testing capacities. SIFS also plan to be able to demonstrate the research and its impact on energy savings to the engineering community, clients, local authorities, stakeholders, and academics.

To do this it was important to design the facility with state-of-the-art IT infrastructure for data handling and visualisation. These tools also help raise awareness on the importance of using green building materials in the envelope and the energy savings associated with it. SIFS BEA is equipped with state-of-the art Building Management Systems (BMS) which allows for continuous-real time monitoring and data visualisation through its customised graphical user interfaces developed. This facility was designed and built by SIFS R & D team in close collaboration with Tecnia (https://www.tecnia.com/en/) pioneers in testing/analysis of the thermal performance of building envelope products.



2020 MENA Green Building
AWARDS
 WINNER

A large scale climatic chamber for comparative study of building envelope insulation systems and its impact on heat transfer and energy consumption



CONCEPT

The facility comprises 3 calorimetric chambers placed in a large hall. All chambers have two surfaces (one wall and the roof) exposed to the large hall where the test specimens will be installed. The large hall will be conditioned to simulate the effect of external weather, while the small chambers will be kept at comfort conditions. The purpose of the test facility is the comparative assessment of building envelope insulation systems which will be installed as test specimens in these 3 chambers.

CERTIFICATION

CERTIFICATE OF REGISTRATION



This is to certify that the management system of:

Smart Insulation Finishing Systems LLC

Main Site: Plot no. 890, Area no. 1, New industrial Area, P. O. Box 3350, Umm Al Quwain, United Arab Emirates

has been registered by Intertek as conforming to the requirements of:

ISO 9001:2015

The management system is applicable to:

Design, Development and Manufacturing of Insulation and Protective Coating Products.

Certificate Number:
0103259
Initial Certification Date:
07 July 2020
Date of Certification Decision:
22 May 2023
Issuing Date:
22 May 2023
Valid Until:
06 July 2026



Calin Moldovean
President, Business Assurance

Intertek Certification Limited, 10A Victory Park,
Victory Road, Derby DE24 8ZF, United Kingdom

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accreditation no. 014.



In the issuance of this certificate, Intertek assumes no liability to any party other than to the Client, and then only in accordance with the agreed upon Certification Agreement. This certificate's validity is subject to the organization maintaining their system in accordance with Intertek's requirements for systems certification. Validity may be confirmed via email at certificate.validations@intertek.com or by scanning the code to the right with a smartphone. This certificate remains the property of Intertek, to whom it must be returned upon request.



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Main Site: Plot no. 890, Area no. 1, New industrial Area, P. O. Box 3350, Umm Al Quwain, United Arab Emirates

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ISO 45001:2018

The management system is applicable to:

Design, Development and Manufacturing of Insulation and Protective Coating Products.

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ISO 14001:2015

The management system is applicable to:

Manufacturing of Insulation and Protective

Certificate Number:
0103257

Initial Certification Date:
07 July 2020

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22 May 2023

Issuing Date:
22 May 2023

Valid Until:
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intertek

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حكومة دبي
GOVERNMENT OF DUBAI

بلدية دبي
Dubai Municipality

إدارة مختبر دبي المركزي
Dubai Central Laboratory Department (DCLD)

شهادة مطابقة للمنتج
CERTIFICATE OF PRODUCT CONFORMITY

Certificate number:	CL21020795	رقم الشهادة:
Issued to the Product:	Low Emitting Materials Details as per the attached Scope of Certification	نوع منتج الشهادة للمنتج:
Manufactured by:	SMART INSULATION FINISHING SYSTEMS LLC	مصنع من قبل:
Address:	Area No. 01, New Industrial Area, Umm Al Thoway, Umm Al Quwain, UAE	المكان:

تم تقييم المنتج وفقاً للمرجع إداري مختبر دبي المركزي، رقم (IC) DM-DCLD-RD-0921-2001 (IC) "لائحة الامانة لنظام بيئية دبي لتدقيق مطابقة المنتج من قبل طرف ثالث من خلال تقييم المصنع" واللائحة الخاصة ذات الصلة، وتم الإقرار بناءً عليه بأنه مطابق للمواصفة القياسية.

The product has been assessed in accordance to DCLD Document Reference No. DM-DCLD-RD-0921-2001 (IC) "General Rules for DM third party product certification system through factory assessment" and the relevant Specific Rules, and were found in conformity with the standard specification:

2023 AL SATAT DUBAI GREEN BUILDING SYSTEM

ووفقاً لذلك، تفوض إدارة مختبر دبي المركزي المختصة المذكورة أعلاه بوضع علامة المطابقة للمنتج على المنتج/المنتجات المذكورة أعلاه.

Accordingly, DCLD hereby authorizes the above manufacturer to affix the DCLD Product Conformity Mark on the above-mentioned product(s).

Original Issue Date:	22/12/2021	تاريخ الإصدار الأول:
Current Issue Date:	22/12/2023	تاريخ الإصدار الحالي:
Valid until:	21/12/2024	صالية لفترة:

AMF AL MARZOUQI
Certification and Quality Control of Products Section Manager
Dubai Central Laboratory Department-Dubai Municipality

The attached Scope of Certification bearing the same Certificate Number forms an integral part of this Certificate.
This Certificate is an electronic document subject to the Terms and Conditions of the Product Certification System and shall not be reproduced except in full.
QREN-0474 DM-DCLD-P-C-2015 Rev 23

IAP CMC CB-PRD-001

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