

**GSE**  
Intégration



**GSE IN-ROOF SYSTEM™**

## GSE Intégration

**#1** EUROPEAN LEADER OF  
IN-ROOF MOUNTING SYSTEM

Allowing the building integrated installation of standard solar panels on new builds or retrofit projects.



# GSE INTEGRATION - In a few words

 **60**  
MILLION EUROS  
net sales



**over 5 000 000**

**M<sup>2</sup> INSTALLED**  
over 10 years

 **34**  
**EMPLOYEES**



**30**

**COUNTRIES**  
GSE in-roof system is distributed  
in over 30 countries

Founded in **2010**,  
based in Paris, France

Photovoltaic specialist

**GSE Integration**,  
is a company of the  
**TERREAL** & **CREATON** group  
generating 700 M€ sales  
with 3500 employees  
worldwide

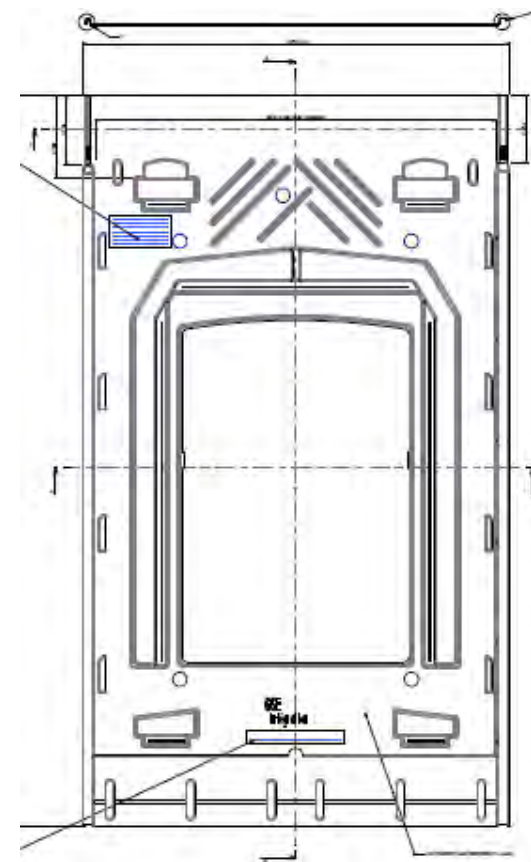
# GSE IN-ROOF SYSTEM™

## PRESENTATION



## GSE IN-ROOF SYSTEM, the most cost effective BIPV solution at building stage

- **The GSE Integration system** is an innovative In-Roof solar module integration system suitable for pitched roofs with inclinations ranging from **10° to 65°**
- **100% Waterproof** : ensures a completely watertight In-Roof PV System. Like a steel pan, the GSE frames incorporate a drainage system and all fixations are made on high points
- **The system is compatible PORTRAIT & LANDSCAPE** with most framed PV modules on the market allowing to combine with the PV module of your choice (51 different GSE frame sizes!)
- **Enhanced rear ventilation** due to the innovative GSE design
- Compatible with **All Roof types** : Tiles, Slate, Steel Pan... and *can cover the whole roof surface if necessary.*
- The only BIPV solution compatible with standard PV modules over 400 Wp and soon 600 Wp allowing to achieve PART L requirement with less modules integrated to the roof (3 kWp achieved with only 5 modules!)



## GSE IN-ROOF SYSTEM, the most cost effective BIPV solution at building stage

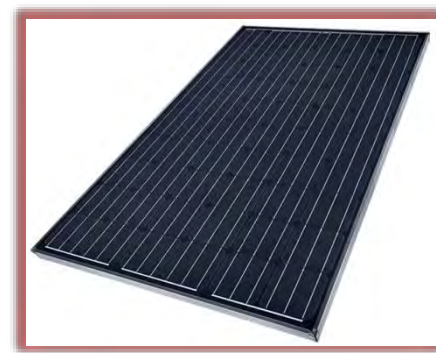
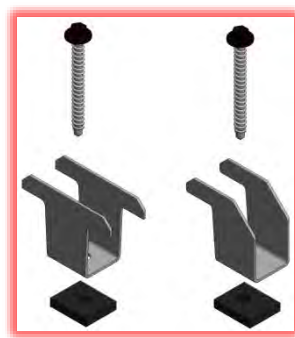
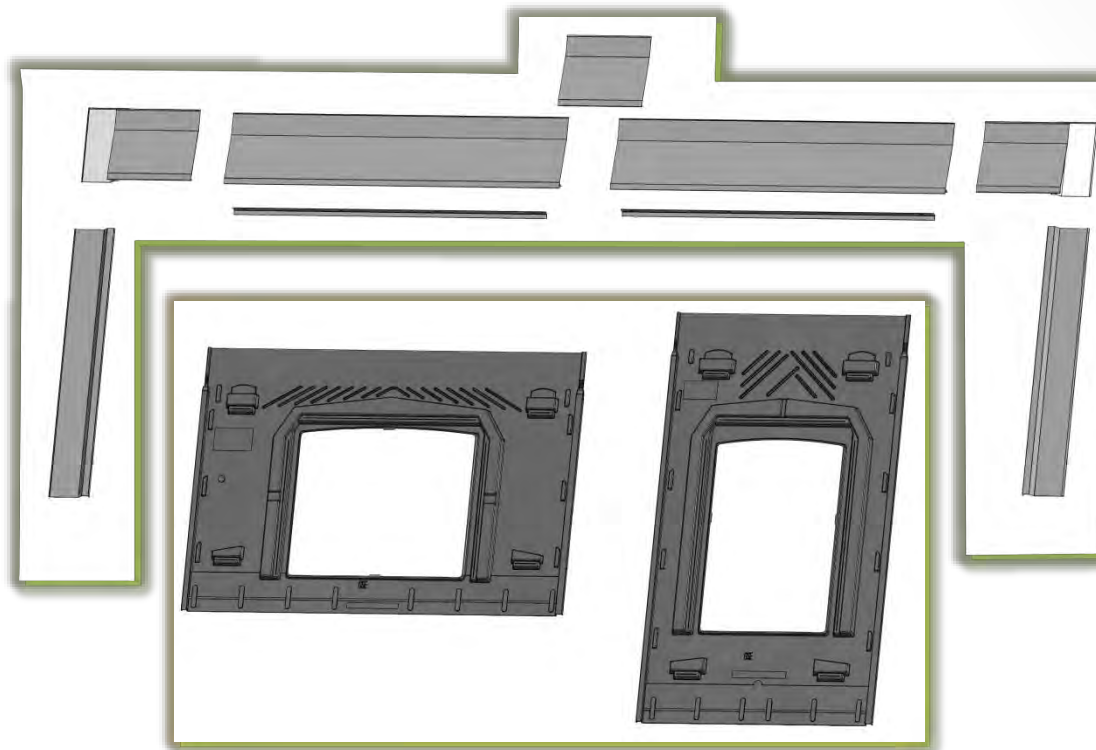
- At New Build stage, GSE in-roof system represents an economy of 50 to 60€/m<sup>2</sup> vs traditional PV systems and roofing materials.
  - Cost efficient with 7 perfectly matched elements.
  - Light and Easy to transport, bringing a significant transport cost reduction.
  - Reduced labor cost: Easy to carry and to manipulate on the roof. Quicker to install vs traditional PV systems and roofing materials.
- **Flexible:** You can achieve any desired configuration type (**U-Shape, Pyramid, etc.**), on any roof !
- The GSE system is **100% Recyclable** as well as impressively aesthetic and economical.



# Universal kit – Presentation

## ➤ Components :

- GSE Intégration Frames™
- Junction with the roof covering
- PV modules & Fixation
- Other components

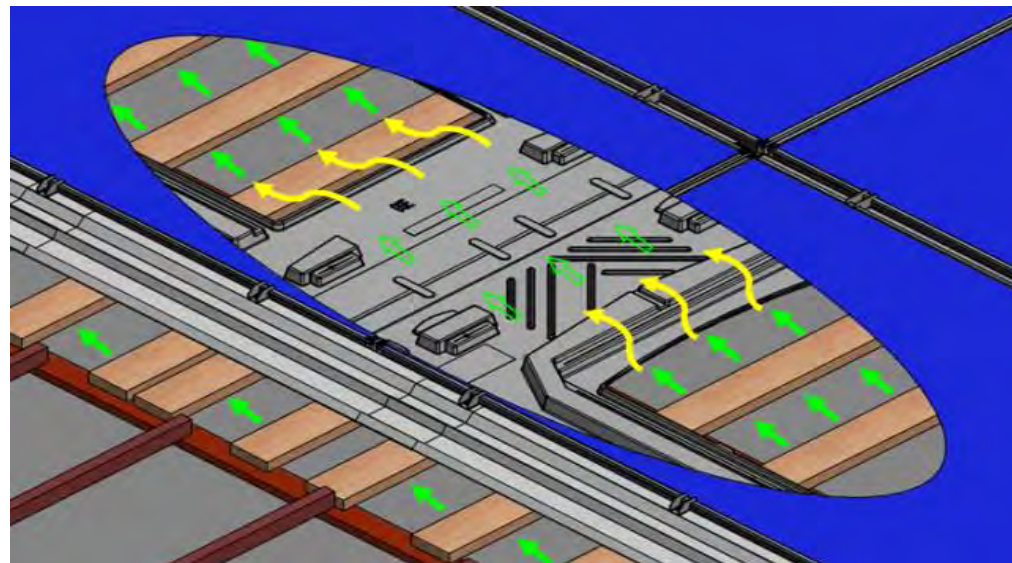


# A ventilated system that optimizes energy production

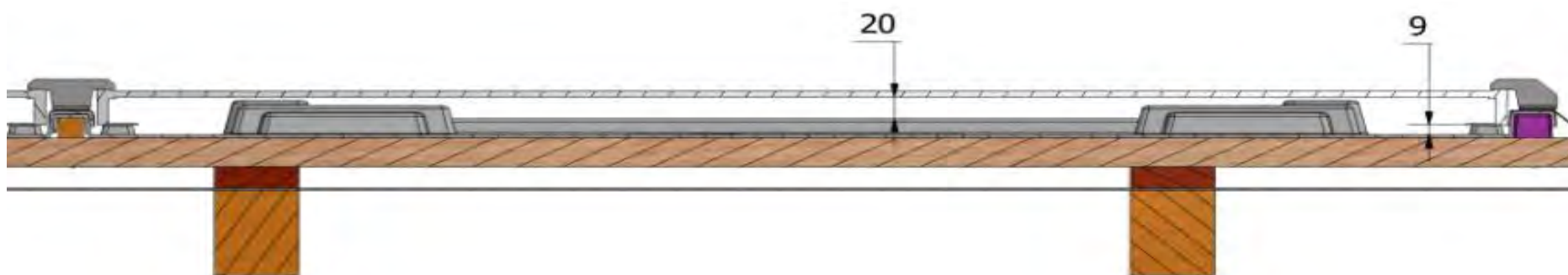
## Natural ventilation of the roof

The exclusive and patented design of the GSE IN-ROOF system integrates:

- air circulation which prevents overheating of the panels and optimizes the production of electricity
- continuity of the ventilation of the underside of the module thanks to the central hole.



Ventilation is provided by an air space with a minimum of 10 cm between the roof underlay screen and the photovoltaic module.





# GSE IN-ROOF SYSTEM™

## UNIVERSAL KIT

Presentation & Installation

# GSE Intégration

# GSE IN-ROOF SYSTEM™

ROOF WINDOWS INTEGRATED WITH GSE IN-ROOF  
SOLAR PANEL SOLUTION





Confort de vie et protection d'énergie

**Fenêtres de toit et panneaux photovoltaïques**



**Intégration des fenêtres de toit VELUX à un système de montage GSE INTEGRATION**

- Solution technique pour combiner la lumière du jour, le confort et la production d'énergie
- Le raccordement GSE, développé pour le système GSE Intégration est fabriqué par défaut en gris et peut être aussi à une fenêtre de type GSE, MRC et MRCB Pour un meilleur rendu avec le système photovoltaïque
- L'isolant est 100% étanche
- Système d'intégration compatible avec plusieurs dimensions et marques de panneaux photovoltaïques
- Choisir la configuration et la taille des fenêtres de toit
- GSE Intégration fournit les profiles latéraux nécessaires pour le raccordement aux fenêtres
- Le raccordement GSE, offre des montage une tolérance jusqu'à 30 mm
- Montage rapide dans le champ photovoltaïque de GSE Intégration

**Recommandés**




# GSE IN-ROOF SYSTEM™

## EXAMPLES OF INSTALLATIONS



## Installation references





## Installation references





# Installation references...

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# Thank you for your kind attention



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