



**S-TILE** SMART  
CUNSTRUCTIVE  
TILE

**HARNESS THE POWER OF S-TILE  
FOR A SUSTAINABLE  
TOMORROW.**



S-tile is a smart building tile that merges solar cells, sensors, and processors to create energy-efficient and eco-friendly buildings. It is especially tailored for facades to generate clean energy while tracking real-time air quality and UV radiation. This multi-purpose product seamlessly integrates into architectural frameworks, bringing smarter, greener buildings within reach.



# WHAT IS S-TILE?



# FEATURES

- Integrated solar cells for energy production
- Environmental sensors (air pollution, UV radiation, humidity)
- Real-time IoT data transmission
- Modular design for seamless installation
- Durable, weather-resistant construction

# ADVANTAGES

## **Energy Efficiency:**

Draws renewable energy directly from building facades, reducing utility costs and environmental footprint.



## **Architectural Integration:**

Sleek design preserves building aesthetic appeal while incorporating added functionality.

## **IoT Connectivity:**

Provides remote access and real-time updates for maximum building performance.

## **Sustainable Design:**

Encourages greener construction through a synergy of technology and recyclable materials.

# APPLICATIONS

## **Building Facades:**

Applicable for external walls on which sunlight may be utilized and climatic conditions monitored in real-time.

## **Smart Homes:**

Engraves dwelling structures with renewable energy generation and indoor air quality monitoring.

## **Commercial Buildings:**

Enforces offices and public structures in reducing energy consumption and attaining sustainability goals.

## **Educational Institutions:**

Facilitates environmental awareness via real-time data while reducing energy consumption.

## **Infrastructure Projects:**

Applicable to smart cities and eco-friendly public initiatives involving intelligent monitoring systems.





# TARGET MARKETS

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- **Construction Companies:**  
Seeking innovative solutions to meet green building standards and reduce operational costs.
- **Architects:**  
Interested in aesthetically compatible materials that contribute to sustainable design goals.
- **Building Owners:**  
Focused on long-term savings, energy independence, and environmental responsibility.
- **Urban Developers:**  
Looking for integrated technologies to support smart city infrastructure and eco-urban planning.
- **Government Projects:**  
Aiming to improve environmental monitoring and energy use in public buildings.



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