

# A heater for outdoor cafes and venues that runs on renewable energy

## Summary

Profile type

**Technology offer**

Company's country

**United Kingdom**

POD reference

**TOGB20250703012**

Profile status

**PUBLISHED**

Type of partnership

**Commercial agreement with  
technical assistance**

Targeted countries

**• World**

Contact Person

**Enrico FRANZIN**

Term of validity

**3 Jul 2025****3 Jul 2026**

Last update

**3 Jul 2025**

## General Information

### Short summary

A UK company has developed a design for outdoor (patio or garden) heating that runs on renewable energy and is more comfortable than traditional outdoor furniture.

The design and know-how is offered under commercial agreements with technical assistance by companies manufacturing or selling outdoor furniture or heaters.

### Full description

Patio heaters or outdoor heaters normally run on gas or electricity. As they are being phased out, a new solution will shortly be needed to keep the customers warm in outdoor cafes or other venues. Countries and cities like France and Barcelona have banned them. Further regions are following suit but hesitant around lack of alternatives.

A UK company has created a novel design based on academic research.

The research showed that people prefer outside heat which is directed towards their legs and not their face.

The solution was to apply the heat source as shown in the Pictures which radiates heat from the underside of the table, towards the legs.

The heating element is heated by a solar power or by electricity at off-peak rates. The store is sufficient to run on the following day as well (3.5 kWh of storage).

The company has done a series of calculations showing that the new way of heating is cheaper than an electric heater and much cheaper than a gas heater and will pay for itself in under 2 years. See the attached pdf file.

The technology is simple to integrate, and manufacturers of outdoor furniture can acquire the design under commercial agreements with technical assistance.

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#### Advantages and innovations

A first patent has been granted confirming the novelty of the design.  
The innovation introduces renewable energy to the outdoor furniture market.

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#### Technical specification or expertise sought

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#### Stage of development

**Already on the market**

#### Sustainable Development goals

• **Goal 7: Affordable and Clean Energy**

#### IPR Status

**IPR granted**

#### IPR Notes

**Granted in the UK, worldwide patent pending.**

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## Partner Sought

#### Expected role of the partner

Type of partner sought: industry.

Specific area of partner sought: manufacturers and sellers of outdoor furniture, HORECA solutions, patio heaters.

Role of partner sought: to acquire the rights to make similar or different furniture in their territories.

The UK company will assist with the technical preparation for manufacturing. Full sales and marketing support will also be provided by the company.

## Type of partnership

**Commercial agreement with technical assistance**

## Type and size of the partner

- **SME <=10**
- **Big company**
- **SME 11-49**
- **SME 50 - 249**

## Dissemination

## Technology keywords

- **04005005 - Solar/Thermal energy**

## Market keywords

- **07001002 - Amusement and recreational facilities**
- **07004006 - Garden and horticultural products**
- **07004005 - Furnishing and Furniture**
- **07001007 - Other leisure and recreational products and services**

## Targeted countries

- **World**

## Sector groups involved

## Media

## Images



[Pic 1](#)



[Pic 2](#)

#### PDF documents



[Running costs](#)

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