

# Spanish company offers digital twin for modeling thermal-photovoltaic systems

## Summary

Profile type

**Technology offer**

Company's country

**Spain**

POD reference

**TOES20250618023**

Profile status

**PUBLISHED**

Type of partnership

**Commercial agreement with technical assistance**

Targeted countries

**• World**

Contact Person

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Term of validity

**18 Jun 2025**
**18 Jun 2026**

Last update

**18 Jun 2025**

## General Information

### Short summary

A Spanish technology provider that offers modeling, simulation and digital twin services for power systems, is looking for companies willing to include a digital solution to address power management challenges through a commercial agreement with technical assistance.

### Full description

A digital twin is a virtual representation of a physical system or process. In the context of thermal-photovoltaic systems, a digital twin can be used to improve performance, reduced downtime, and lower maintenance costs, making them an increasingly important tool for the renewable energy industry.

The spanish company began operations in 2015 as an innovation consulting company focused on promoting the use of the latest technological advances, as artificial intelligence and digital twins, in conjunction with robust business models to contribute to the successful achievement of the energy transition.

The Spanish firm models and simulates two types of specific systems:

- Combined thermal-photovoltaic system with storage and network connection.
- Energy performance of a building.

with the objective of:

- Understand the behavior of the combined energy system
- Robustly optimize combined system operation
- Understand the thermal behavior of the building
- Optimize the efficiency of water systems
- Minimize air system costs

The spanish firm seeks companies willing to include a digital solution to face the challenges of energy management through a commercial agreement with technical assistance.

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#### Advantages and innovations

Digital twin focussed in energy systems

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#### Technical specification or expertise sought

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#### Stage of development

**Already on the market**

#### IPR Status

**Secret know-how**

#### IPR Notes

#### Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**
- **Goal 7: Affordable and Clean Energy**

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## Partner Sought

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#### Expected role of the partner

Companies open to include a digital solution to face the challenges of energy management

## Type of partnership

**Commercial agreement with technical assistance**

## Type and size of the partner

- **Big company**
- **SME 50 - 249**
- **SME 11-49**

## Dissemination

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## Technology keywords

- **01001002 - Digital Systems, Digital Representation**

## Targeted countries

- **World**

## Market keywords

- **06003008 - Other alternative energy**
- **06003002 - Photovoltaics**
- **06003001 - Solar/thermal energy**

## Sector groups involved