



Javier Peña Andrés

Director Científico

Materfad Materials Centre

<http://www.materfad.com/>



Bilateral Meetings

- Wednesday (10:00am - 12:00pm)
- Wednesday (12:00pm - 2:00pm)
- Wednesday (2:00pm - 4:00pm)
- Wednesday (4:00pm - 6:00pm)
- Thursday (10:00am - 12:00pm)
- Thursday (12:00pm - 2:00pm)
- Thursday (2:00pm - 4:00pm)
- Thursday (4:00pm - 6:00pm)

Description

Materfad Materials Centre in Barcelona performs a research and technological surveillance task in the field of **new materials** and provides consultancy and training services for companies, professionals, universities and technology centres. Its aim is to facilitate technological transfer between widely different sectors such as biotechnology, construction, transport or textiles, among others.

For the **Autonomous Bus Shelter** and **Step-Lux** projects, Materfad supplied the necessary information and advice on materials and design in order to integrate the piezoelectric device into floors and urban pavements.

Organization Type

Consultant

Organization Size

No, I have already an entry pass

LinkedIn

<https://www.linkedin.com/company/materfad>

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Areas of Activities

TECHNOLOGY

1. Services integration
2. sensors
3. big data

4. visualization
5. geo information
6. networks
7. public safety

ENERGY

1. renewables
2. storage
3. efficiency
4. ICT
5. electricity
6. metering

MOBILITY

1. Intelligent transport systems
2. sharing services & infrastructures
3. public transportation
4. alternatives energy sources
5. transport investments (Markets & Projects)

SUSTAINABLE CITY

1. sustainability

Offer & Request

Autonomous Bus Shelter

www.autonomousbusshelter.com

Autonomous Bus Shelter is the union of two projects (Glass Shelter / Step Lux) to generate energetically autonomous interactive street furniture.

At this stage the project team is seeking partners to support the production of the combined project.

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Glass-Shelter

Completely transparent bus stop that integrates photovoltaic cells, LED lighting and multimedia displays with interactive information. The project, awarded a Red Dot Design Award 2014, has been developed by architects Borgos and Pieper, together with Cricursa.

Step-Lux

A pavement that transforms the transit of buses and passengers into electricity for the needs of the bus shelter, thanks to the capabilities of piezoelectric materials. The technical project was carried out by Materfad, Elisava and Leitat.

Cooperation Offered

1. Technical co-operation
2. Manufacturing agreement
3. Other

Cooperation Requested

1. Technical co-operation
2. Manufacturing agreement
3. Sales / Distribution
4. Investment/Financing
5. Other

Offer & Request

Piezoelectric energy harvesting pavement

<https://www.youtube.com/watch?v=okX3-wZtuHY>

A pavement that transforms the transit of buses and passengers into electricity for the needs of bus shelters and/or lighting systems, thanks to the capabilities of piezoelectric materials.

The technical project was carried out by Materfad, Elisava and Leitat.

Cooperation Offered

1. Manufacturing agreement
2. Technical co-operation
3. Outsourcing co-operation

Cooperation Requested

1. Investment/Financing
2. Manufacturing agreement
3. Technical co-operation