

A Dutch company is looking for solutions to create the greener and more sustainable parking lot of the future

Summary

Profile type	Company's country	POD reference
Technology request	Netherlands	TRNL20230424010
Profile status	Type of partnership	Targeted countries
PUBLISHED	Commercial agreement with technical assistance	• World
Contact Person	Term of validity	Last update
Annamaria DI PATRIZIO	24 Apr 2023 23 Apr 2024	24 Apr 2023

General Information

Short summary

Dutch family business that operates in the broad outdoor space is now looking for solutions to create a parking lot of the future that is sustainable and green and easy to use. Partners are sought in the frame of a technical cooperation agreement.

Full description

As a nationwide family business, this company operates in the broad outdoor space. Their core business is the design, construction and maintenance of outdoor space, preferably integrated (multiple aspects such as greenery, cleaning and civil engineering together).

Work landscapes of the future are challenging because they must adapt to rapidly changing conditions. By integrating more greenery into business parks, nature and business operations reinforce each other. A greener site can enhance image and improve employee well-being. Greenery can also give a building a real estate value, for example by adding bright and attractive plantings to older buildings. In addition, the qualitative greening of "gray" parts of society, such as business parks, is important for maintaining biodiversity. More greenery also contributes to climate adaptation. Besides the green component, the parking lot of the future can also include making the parking lot smarter, water collection during heavy rainfall, charging infrastructure for electric cars and sustainable materials.

This company has already realized several green parking lots, but they experience that many parties are not

immediately enthusiastic about it, because the disadvantages are perceived as greater than the benefits. By disadvantages are meant: the maintenance, the grass not growing or turning brown, the muddy nature of the parking lot...,

By combining different smart and sustainable applications, they now really want to prepare the parking lot for the future, and let the advantages outweigh any disadvantages.

There are several reasons why it is important to contribute to greening the outdoor space,: improving air quality, reducing urban heat islands, increasing biodiversity, improving mental health and beautifying the environment.

In addition, there is a chance that participants can become suppliers for this company or to set up a pilot together.

Advantages and innovations

Technical specification or expertise sought

The requested solution comprises an creative and sustainable approach and can be a mix of a variety of expertise's:

- Product development
- Knowledge of green
- Knowledge of sustainable materials and possibly circularity
- Knowledge of smart technologies.

Stage of development

Sustainable Development goals

- **Goal 11: Sustainable Cities and Communities**
- **Goal 3: Good Health and Well-being**
- **Goal 13: Climate Action**

IPR Status

Partner Sought

Expected role of the partner

The company is looking for partners to contribute the the parkinglot of the future with solution in the following area's:

Green spaces: A parking lot of the future can be designed with green features, such as trees, plants and flowers. These green features can help reduce air pollution, reduce heat island effects and improve the overall aesthetics of the parking lot.

Water collection: The design of the parking lot of the future can consider water collection. By capturing and retaining rainwater, the parking lot can be used as a natural water catchment for the surrounding area. This can help reduce

flooding and improve water quality.

More parking spaces: The parking lot of the future can be designed with more efficient use of available space. This allows for more parking space without taking up additional space.

Charging poles: As electric cars become increasingly popular, the parking lot of the future will likely be equipped with electric car charging stations.

Smart technology: The parking lot of the future may be equipped with smart technologies to optimize the use of the parking lot. For example, sensors and apps will allow drivers to quickly find a free parking spot and make parking management more efficient.

Sustainable materials: The parking lot of the future can be designed with sustainable materials, such as recycled materials and low-maintenance materials. This can help reduce the ecological footprint of the parking lot.

Please note that the company is not looking for partners that would like to engage in the implementation.

Type of partnership

Commercial agreement with technical assistance

Type and size of the partner

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

Dissemination

Technology keywords

- **010002002 - Biodiversity**
- **10002013 - Clean Production / Green Technologies**

Targeted countries

- **World**

Market keywords

- **06010002 - Energy for the community/public sector**
- **009007001 - Construction**
- **09007004 - Engineering and consulting services related to construction**
- **06011 - Energy for Transport**

Sector groups involved