Profile Status: Published

## Technology Offer

# Israeli SME offers vertically moveable cabinets for houses, kitchens and businesses

## Summary

*An Israeli start-up develops vertically movable cabinets that increase storage capacity by using room space that is inconvenient to access. The designed cabinets are controlled by a commonly used electrical motion system, thus allowing for affordable pricing. The company is interested in a license agreement to sell its intellectual property and knowledge or, a commercial agreement with technical assistance, in which firms in the field of furniture serve as distributors (maybe also producers).*

| | |
|---|---|
| **Creation Date** | 16 May 2017 |
| **Last Update** | 25 May 2017 |
| **Expiration Date** | 25 May 2018 |
| **Reference** | TOIL20170516001 |
| **Public Link** | https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/e6063aef-aeff-4f8b-8e5f-878dee28c265 |

## Details

### Description

An Israeli start-up company that develops vertically movable cabinets for kitchens, houses and businesses is looking for partners.
Small apartments and studios, comprising of only one or two rooms, typically lack sufficient storage space for everyday items. Almost every constructed space comprises free volumes close to the ceiling, and even though they have the potential of being used instead of occupying floor areas, they are not utilized mainly due to the lack of a comprehensive, affordable solution.
The company's developed cabinets, specifically those that are not intended for kitchens, are installed with a large enough clearance space to the floor, and thus do not pose risks to nearby persons and do not overcrowd the room. Stored items are easily reached by lowering the cabinets to an accessible height by a motion system. The motion system is a new implementation of an existing, widely used one, produced in many countries, allowing affordable prices of the product.
The company also offers practical solutions for dead corners and niches of kitchens, including both upper and lower ones. These types of movable cabinets offer excellent accessibility to heavy appliances such as mixers, food processors, and coffee machines, allowing the appliances to be easily accessed at the countertop level on demand and to be used without needing to drag them out of the cabinet. These solutions allow for a larger working area and a neat appearance of the countertop and the kitchen.

Each type of the movable cabinet solutions includes a safety system to handle possibly hazardous situations.

Vertically moveable cabinets are suitable for the whole population, but possess added value for small apartment owners, elderly persons, short people and people with special needs. They are located in typically "dead" areas such as the corners of walls and ceilings (even spaces contained above doors or windows), as well as corners of kitchen cabinets.

**Advantages and Innovations**

The innovation of vertically movable cabinets is in providing additional accessible storage volumes without overcrowding the room. This is achieved by utilizing spaces that were not previously used or were used with low efficiency. The cabinet products designed for kitchens enable effective use of dead corners, while simultaneously freeing the countertop from bulky, heavy appliances. Vertically movable cabinets developed by the company meet high standards of safety, while preventing accidents resulting from people falling when trying to reach items stored in high places.

Only few movable cabinets solutions can be found on the market. Such cabinets are mainly designated for disabled persons and combine both vertical and lateral movements to allow accessibility to the stored items for people in wheelchairs, even in the presence of a countertop. These cabinets are not installed high enough to allow free passage underneath, have a relatively low storage capacity and are quite expensive. Other types of movable cabinets already on the market are intended for the upper spaces of kitchens, but not as close to the ceiling as the company's products. Previously existing products do not solve the problem of dead corners, cannot be installed above a kitchen window, and cannot store and operate heavy appliances such as mixers, coffee machines, etc.
The vertically movable solutions for dead corners of kitchens developed by the company replaces the currently available solutions for the upper and lower dead corners of the kitchen. Current solutions for the lower corners include rotating devices or drawers, while current solutions for the upper corners include shelving or, in many cases, are simply left unused.

**Stage of Development**

Prototype available for demonstration

**Comments Regarding Stage of Development**

The company is working on some modifications of the current prototypes while preparing the manufacturing files for serial production of the products intended for kitchens.

**IPR Status**

Patent(s) applied for but not yet granted,Patents granted

**Comment Regarding IPR status**

The company already has an Israeli patent for most of their products.
Two additional products are patent pending in Israel.
All current products of the company are patent pending in the EU, the US and more.

**Profile Origin**

Other

## Keywords

**Technology**

| | |
|---|---|
| 01003022 | Smart Appliances |

**Market**

| | |
|---|---|
| 07004005 | Furnishing and Furniture |

**NACE**

| | |
|---|---|
| C.31 | Manufacture of furniture |
| C.31.0.2 | Manufacture of kitchen furniture |
| C.31.0.9 | Manufacture of other furniture |

## Network Contact

**Issuing Partner**

ASTER - SOCIETA CONSORTILE PER AZIONI

**Contact Person**

Vera Lullo

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+39 0516398090

**Email**

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## Open for EOI : Yes

## Client

**Type and Size of Organisation Behind the Profile**

Industry SME <= 10

**Year Established**

2014

**Turnover**

<1M

**Already Engaged in Trans-National Cooperation**

No.

**Languages Spoken**

English
Hebrew

**Client Country**

Israel

## Partner Sought

**Type and Role of Partner Sought**

The required sector for the partner is a furniture accessories producer and/or distributor or, alternatively, a furniture producer and distributor.

The tasks intended for the partner could be one of the following:
• Buying some intellectual property rights of the company together with the design and manufacturing know-how.
• Buying some intellectual property rights of the company
• Manufacturing and distributing the company products
• Distributing the company products

**Type and Size of Partner Sought**

>500 MNE,251-500,SME 51-250,>500

**Type of Partnership Considered**

License agreement
Commercial agreement with technical assistance

## Attachments

Profile Status: Published

## Technology Offer

# Innovative footwear production technology based on three-dimensional bonding

## Summary

*A Spanish technology based company has developed and patented a tridimensional bonding technology for manufacturing shoes without seams. This technology reduces the labor power up to 70%. The company is looking for companies interested in licensing and/or commercial agreement with technical assistance.*

| | |
|---|---|
| **Creation Date** | 14 September 2017 |
| **Last Update** | 25 September 2017 |
| **Expiration Date** | 25 September 2018 |
| **Reference** | TOES20170914002 |
| **Public Link** | https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/52169180-ece2-4dae-ade3-bb1b2dc9c83f |

## Details

### Description

Three-dimensional bonding technology, which has been developed by the Spanish technology based company, aims at reducing the complexity in the manufacture of footwear in order to allow shoe manufacturers to produce world-class articles without transferring part of production to lower-cost countries.
The technology consists of a production method whereby pieces of leather or other flexible material are joined three-dimensionally at its ends, thus replacing the intensive sewing labor by a few seconds of injection of a polymer.
The procedure is carried out by means of a mold and counter-mold between which space is defined with the shape of the item to be obtained. Once the plastic material is injected through the network of channels, it takes about 5 minutes for the material to cure and then the mold can be opened to remove the finished product.
Overall, the main advantage of this technology over other existing production processes consists in the drastic reduction of production costs, due to the elimination of a considerable number of manual operations, as well as the reduction of the cut materials. Moreover, the technology offers a substantial improvement in product performance with improved adaptability, better waterproof qualities, greater three-dimensional stability and durability.
Taking all the aforementioned points into account, producers of footwear are sought with the aim of establishing a technological collaboration, by licensing and/or commercial agreement with technical assistance, in order to implement this bonding technology in their production systems.
The three-dimensional bonding process developed will make easier the production of footwear, plus having a great economic impact for the sector.

### Advantages and Innovations

This technology will produce strong impact on final product quality and on process efficiency by:
- Reduction of mechanical operations on uppers (reduction of labour power up to 70%)
- Improvement of the comfort because of the upper uniform pressure.
- Improvement of the waterproof property due to the absence of seams.
- Elimination of solvent based glues, eliminating problems of toxicity.
- Reduction of the carbon footprint associated with shoe manufacturing.
- Elimination of excess upper material, reduction of material costs up to 52% compared with the traditional manufacturing method.
- Increasing of durability and lifetime.
- Total chafing prevention.
- Improvement of inserts bonding.
- Reduction of production time up to 65%.
- Optimization of bonding between upper and sole.

### Stage of Development

Available for demonstration

### IPR Status

Patents granted

### Profile Origin

Private (in-house) research

## Keywords

### Technology

| | |
|---|---|
| 02002007 | Joining techniques (riveting, screw driving, gluing) |
| 02002013 | Moulding, injection moulding, sintering |
| 02003001 | Process automation |
| 02007014 | Plastics, Polymers |
| 02007019 | Lightweight materials |

### Market

| | |
|---|---|
| 07004001 | Clothing, shoes and accessories (including jewellery) |
| 08005 | Other Industrial Products (not elsewhere classified) |
| 09003001 | Engineering services |
| 09004003 | Textiles (synthetic and natural) |

### NACE

| | |
|---|---|
| C.28.9.4 | Manufacture of machinery for textile, apparel and leather production |

## Network Contact

**Issuing Partner**

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## Open for EOI : Yes

## Client

**Type and Size of Organisation Behind the Profile**

Industry SME 11-49

**Year Established**

0

**Already Engaged in Trans-National Cooperation**

No.

**Languages Spoken**

English
Spanish

**Client Country**

Spain

## Partner Sought

**Type and Role of Partner Sought**

The expected partner is a footwear producer interested on implementing such innovative technology to be allowed to produce in EU/USA. Moreover, it should be borne in mind that cost savings are directly related to the volume of the production batch, since the technology entails certain investment in machinery and molds. This means that the technology would be profitable in production batches per model superior to 1500 pairs.

- Specific area of activity of the partner:
Footwear production.

- Task to be performed:
Manufacture of footwear using the developed technology by licensing and/or commercial agreement with technical assistance.

**Type of Partnership Considered**

License agreement
Commercial agreement with technical assistance

## Attachments

SW1.jpg



Profile Status: Published

## Technology Request

# Looking for sensors system, of any available technology or combination of them, to be used for a platform for identifying the free docking space in a marina

## Summary

*A Greek SME company has developed an IT platform for helping yachters to interact with a marina. In the same time, the marina registered in the platform can give information about the availability of docking space for the boat. The Greek company is looking for a new sensor system able to provide information about available space, height and quality of the water. They are looking for integrators using any available technology for commercial agreement with technical assistance.*

| | |
|---|---|
| **Creation Date** | 20 September 2017 |
| **Last Update** | 02 October 2017 |
| **Expiration Date** | 02 October 2018 |
| **Reference** | TRGR20170920001 |
| **Public Link** | https://een.ec.europa.eu/tools/services/PRO/Profile/Detail/74fa60c0-cc05-4dbb-a20f-bce76149b278 |

## Details

### Description

A Greek SME, established by IT specialists, has developed an innovative platform transforming a regular marina into a 'smart' one. The platform helps yachters and skippers to interact with marina authorities for features such as integrated e-booking, navigational, docking assistance and mobile guidance to the nearby coastal areas. The provided solution combines different technologies and services to a real-time platform that hosts multiple yachting marinas, connecting them with the yachting community. A sub-system of the platform is a multi-purpose group of sensors installed in the area of the marina for monitoring the status of the berth spaces, measuring the sea level & water quality and observing the weather conditions. The sensor system provides real-time information about the availability of docking space. The problems are that this system has limited operational capability, covering small areas of a marina, is not specifically designed for marine use and has rather high cost.

The Greek company is now looking for an integrated system of sensors, using any kind of available technologies in order to replace the existing system. The requirements for the new system will be as follows:

- Ruggedized marine use
- Provide real-time (or near real-time) information to the platform about the docking space used or free in the marina

- Provides additional information about weather (especially the wind), height of water and optionally the water quality
- Could enable connectivity with other marina information system
- Being affordable and easy to install

The company is looking for solutions that use any kind of technology or a combination of technologies. As an example, optical sensors along with IoT devices could be an acceptable solution.

The Greek company is looking for sensors system integrators for discussing possible solutions offered. After an evaluation of the system the Greek company will start the installation of the sensing system to the marinas collaborating with the company. The type of partnership sought is commercial agreement with technical assistance.

**Technical Specification or Expertise Sought**

The Greek company is looking for an integrated system of sensors to be installed in a marina. The system could be consisted of sensors of any technology, combined possibly with other devices such as some using IoT for transmitting the data to the platform. The requirements for the system are:
- To inform the platform about the availability of docking space
- To provide information about the height of water in comparison to the dock
- To be used in marine environment

**Stage of Development**

Available for demonstration

**Comments Regarding Stage of Development**

The proposed solution should be near or already on the market.

## Keywords

**Technology**

| | |
|---|---|
| 01004002 | Applications for Tourism |
| 11007 | Sports and Leisure |

**Market**

| | |
|---|---|
| 07001002 | Amusement and recreational facilities |
| 07001007 | Other leisure and recreational products and services |

**NACE**

| | |
|---|---|
| J.63.9.9 | Other information service activities n.e.c. |

## Network Contact

**Issuing Partner**

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## Open for EOI : Yes

## Dissemination

**Send to Sector Group**
ICT Industry and Services

## Client

**Type and Size of Organisation Behind the Profile**
Industry SME 11-49

**Year Established**
2012

**Turnover**
<1M

**Already Engaged in Trans-National Cooperation**
Yes

**Languages Spoken**
English
Greek

**Client Country**
Greece

## Partner Sought

**Type and Role of Partner Sought**
The Greek company is looking for sensors system integrators companies capable to present a suitable solution, tailored made for the specific application. The Greek company intends to give

the detailed requirements, receive a proposal, evaluate the proposed solution and in the end, if the solution proves to be according to the needs of the company, to install the solution. The type of partnership considered would be commercial agreement with technical assistance. The partner should be able not only to install the solution but also to provide maintenance and technical support after the installation.

**Type and Size of Partner Sought**

SME 11-50,SME <10,251-500,SME 51-250

**Type of Partnership Considered**

Commercial agreement with technical assistance

## Attachments