Technology Request

Scottish Cheese producer seeking wrapping technology for artisan cheeses.

Summary

A Scottish company which produces a range of artisan hard cheeses is looking for wrapping technology to enhance its packaging process. They require a wrapping machine with not too big a footprint, which will speed up their existing process, ensure a shelf life of at least 10 weeks for the cheese wedges and retain the artisan appearance of the packaged product. They are seeking industrial partners for a technical co-operation agreement or a commercial agreement with technical assistance.

Expiration Date 22 February 2017
Reference TRUK20160219001
Profile link

Details

Description

A well established Scottish company which produces a range of cheeses is seeking technology to improve the efficiency of their packaging process.

The company produces a range of hard cheeses. These are mechanically cut into wedges and at present, these are placed in bags which are then vacuum packed. The packaging process is causing a bottleneck in the process and the company is seeking new wrapping technology which will enhance the process while not losing the artisan appearance of the product.

They are looking for industry partners who may be able to provide or develop a solution through a commercial agreement with technical cooperation or a technical co-operation.

Technical Specification or Expertise Sought

Because of limited space, they require a machine with not too great a footprint.

They need to speed up the process when compared to the present wrapping method of vacuum packing in bag.

They want the final product to retain the look of an artisan product. At present they are using a parchment effect wrapping.

The current shelf life of the product is 10 weeks and they would need to ensure that this is either maintained or extended by the new wrapping method.

Stage of Development

Already on the market

Profile Origin

Private (in-house) research

Keywords

Technology

02003001	Process automation
08001003	Food Packaging / Handling
08002003	Safe production methods

Market

07006	Other Consumer Related (not elsewhere classified)
08002007	Other industrial automation
08003005	Other industrial machinery for textile, paper & other industries

NACE

C.10.5.1	Operation of dairies and cheese making
C.33.2.0	Installation of industrial machinery and equipment
G.47.2.9	Other retail sale of food in specialised stores

Open for EOI : Yes

Dissemination

Send to Sector Group

Agrofood

Client

Type and Size of Organisation Behind the Profile

Industry SME <= 10

Year Established

0

Already Engaged in Trans-National Cooperation

No.

Languages Spoken

English

Client Country

United Kingdom

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: Industry

- Specific area of activity of the partner: production/supply of specialist wrapping machinery for use in the food industry.

- Task to be performed by the partner sought: collaborate with the company to provide a packaging solution to enhance their product wrapping process. This may involve a technology agreement or a commercial agreement with technical assistance.

Type of Partnership Considered

Technical cooperation agreement

Technology Offer

Smart device for food management and intelligent shopping.

Summary

A Czech company has developed a prototype of smart device for refrigerators which consists of mobile application and embedded LCD touchscreen panel for food management and intelligent shopping. Producers of refrigerators or companies dealing with home automation systems are sought for joint venture agreement under which the smart device development will be completed and delivered to the market.

Expiration Date	26 February 2017
Reference	TOCZ20150821001
Profile link	

Details

Description

A smart device is an electronic device connected to other devices or networks via Bluetooth, NFC (near field communication), Wi-Fi, 3G and other wireless protocols. Smart devices (smartphones, tablets, smart TVs, smart watches, etc.) are becoming more and more popular among people of all ages.

The Czech company develops embedded solutions, specific mobile applications and integrates these solutions in households. This company has developed a prototype of smart device for refrigerators. The smart function is provided by adding the embedded LCD touchscreen panel at the front door of refrigerator used in households and by mobile application for food management and for intelligent shopping. The core of the system (touchscreen and micro computer) is based on CPU and tuned Linux operating systems. All data are synchronized via cloud and accessible anywhere and anytime by mobile application.

Basic features of smart refrigerator:
- fast and easy adding of new goods – user can easily load any newly bought item by mobile camera and bar-code image recognition application,
- remote fridge management - access to the shopping chart or notes using mobile application,
- interactive advertisement - screen saver with leaflets from closest supermarkets,
- recipes management - linked to the items currently present in the fridge, the user can easily see which recipe can be made or what items need to be purchased,
- alerting user of expiration dates
- low power consumption: <2W

The Czech company is looking for producers of refrigerators or companies dealing with home automation systems. Partner sought should be interested in completing development of above mentioned prototype of smart device for refrigerator and delivering it to the market by adding the

smart device to own product portfolio (refrigerators or home automation systems) under joint venture agreement.

Advantages and Innovations

Standalone solution independent on the refrigerator itself but it can be also fully integrated inside the refrigerator door. It is possible to use the smart device with any type of refrigerator or the smart device can be placed anywhere in the kitchen.

Advantages for users:
- smart shopping lists (automatically created)
- synchronized mobile applications
- (automatic) online orders
- recipes according supplies
- notifications of expiration dates
- intuitive and ergonomic environment
- prevents food waste by offering comfortable management of food supplies. Over 100 million tonnes of food are wasted annually in the EU and 43% at households level.

Stage of Development

Prototype available for demonstration

IPR Status

Secret Know-how

Profile Origin

Private (in-house) research

Keywords

Technology

01002004	Embedded Systems and Real Time Systems
03010	Household Goods & Appliances

Market

02007009	Home software
03001	Electronic Components

NACE

J.62.0	Computer programming, consultancy and related activities

Network Contact

Contact Person
Giulia Basilici

Phone Number
+39 51 6398099

Email
giulia.basilici@aster.it

Open for EOI : Yes

Dissemination

Send to Sector Group
ICT Industry and Services

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
German

Client Country

Czech Republic

Partner Sought

Type and Role of Partner Sought

Type of the partner sought: Companies producing refrigerators or companies dealing with home automation systems.

Role of the partner sought: completing development of the smart device and deliver it to the market by adding the smart device to own product portfolio (refrigerators or home automation systems) under joint venture agreement.

Type and Size of Partner Sought

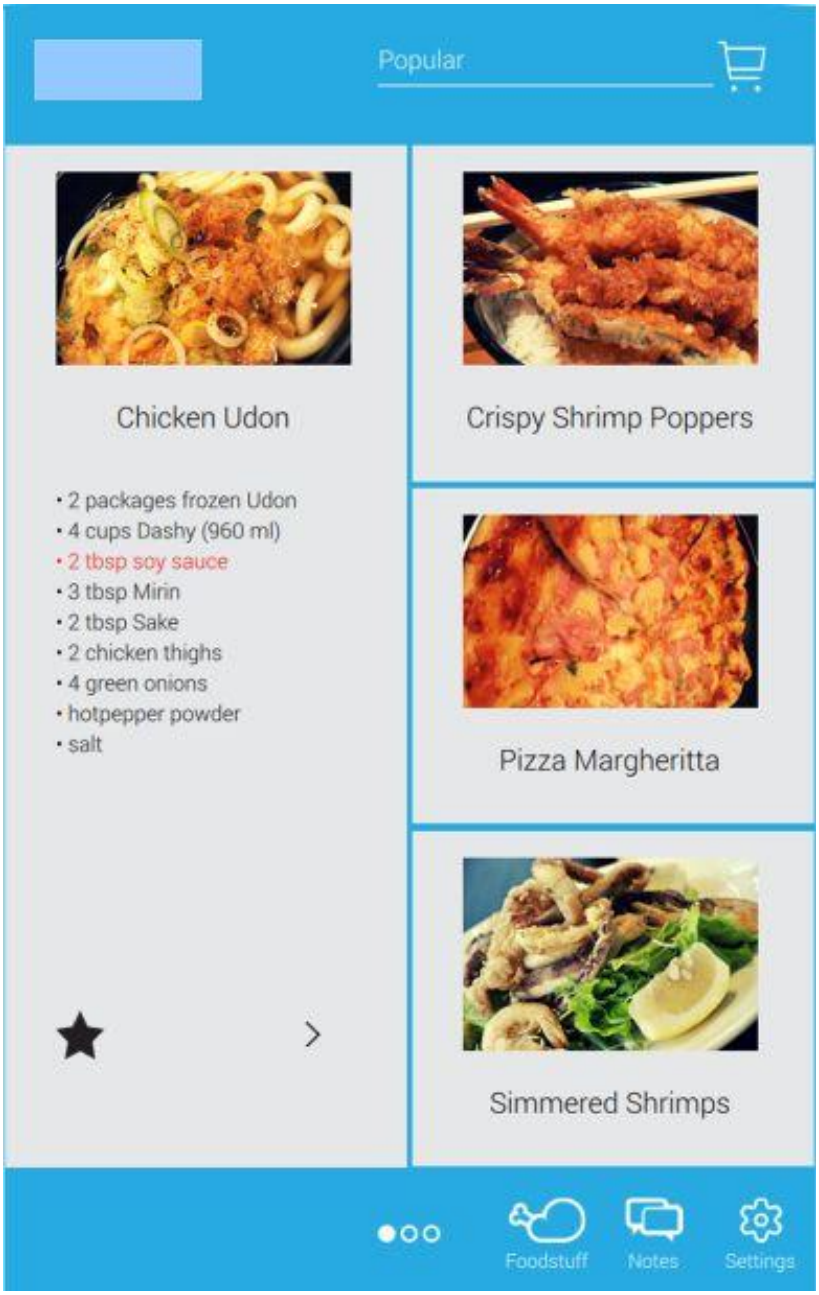
SME 11-50,SME <10,>500 MNE,251-500,SME 51-250,>500

Type of Partnership Considered

Joint venture agreement

Attachments

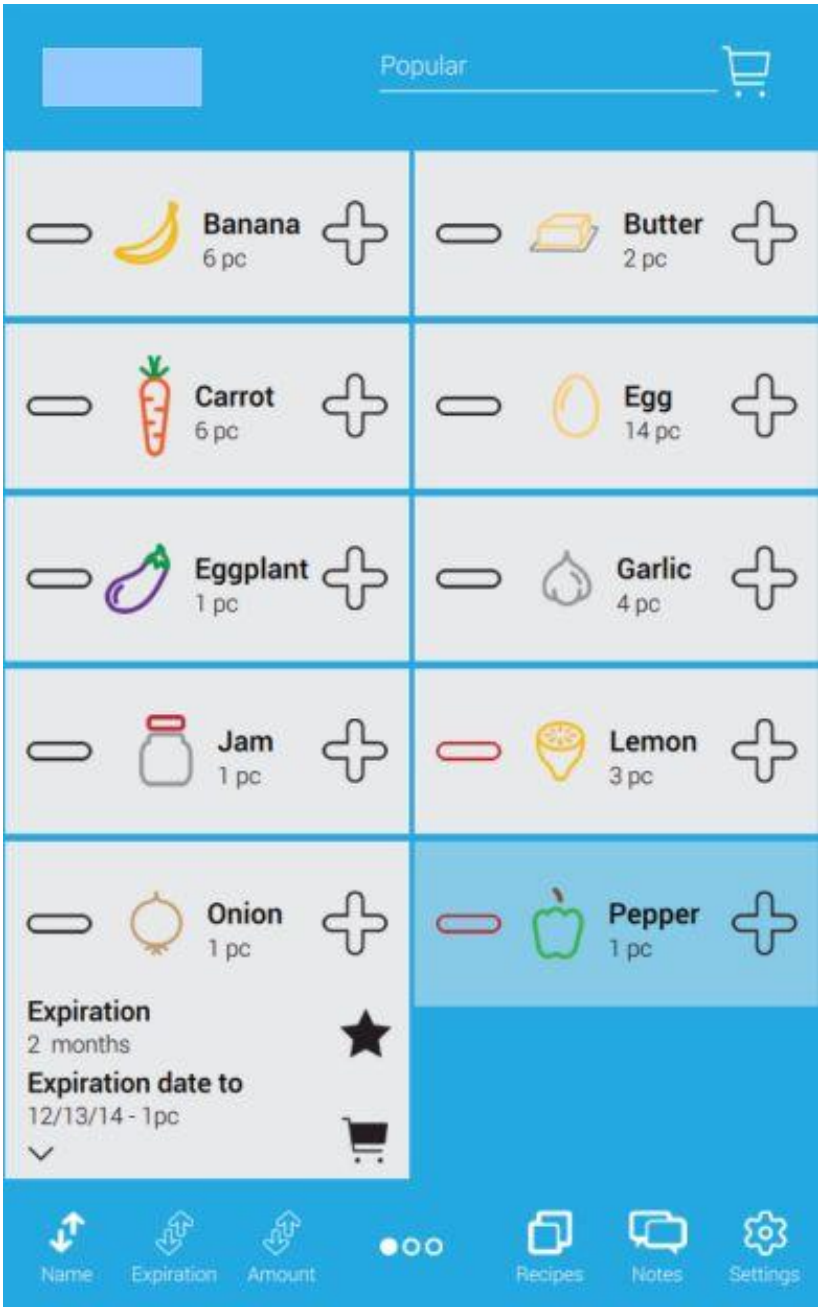
app_receipts.jpg



smart_fridge_concept.jpg



app_foodstuff.jpg


Popular
Banana
6 pc
Butter
2 pc
Carrot
6 pc
Egg
14 pc
Eggplant
1 pc
Garlic
4 pc
Jam
1 pc
Lemon
3 pc
Onion
1 pc
Pepper
1 pc
Expiration
2 months
Expiration date to
12/13/14 - 1pc
Name
Expiration
Amount
Recipes
Notes
Settings

Measuring device to measure water content of meat

Summary

A Czech university has developed a measuring device to evaluate quality of the pork and beef meat. It is a small and portable measuring device for measuring the bio-impedance of the meat in order to determine water content of the meat. The Czech university is looking for electronic measuring equipment manufacturers interested in license agreement.

Expiration Date	23 February 2017
Reference	TOCZ20150818001
Profile link	

Details

Description

A bio-impedance measurement (as well bioelectrical impedance analysis) is commonly used method for the determination of body composition. It is measurement method to calculate total body water (TBW) and body fat. This method is also used in the meat processing industry to determine water content of the meat. If the pork or beef meat contains a lot of water, the meat can be difficult to process. Bio-impedance measuring devices used in the meat processing industry are heavy and standalone devices evaluating only samples of meat.

The Czech university has developed a small and portable measuring device for easy and quick measurement of the bio-impedance of the pork or beef meat. The measuring device is based on Fourier analysis with quadrature detection. It provides automatic measurement of the bio-impedance with saving its value in each frequency step. Frequency range of measuring device is 1 kHz – 50 kHz with the frequency step 1 kHz.

The university is looking for electronic measuring equipment manufacturers. Partner sought should be interested in manufacturing (including CE certification) of offered measuring device under license agreement and delivering measuring device to the market. Specification of license agreement (licensing fees, etc.) will be negotiated.

Advantages and Innovations

Unique technology of measurement of the bio-impedance for meat processing industry. Similar measuring devices are used only in medicine.

In comparison with existing solutions used in meat processing industry offered technology is smaller, portable and easier to use because it enables to measure bio-impedance of the whole piece of meat.

Stage of Development

Available for demonstration

IPR Status

Other

Comment Regarding IPR status

CZ utility model

Keywords

Technology

01001	Electronics, Microelectronics
01002	Electronic circuits, components and equipment
09003	Electronic measurement systems

Market

03007002	Other measuring devices
09005	Agriculture, Forestry, Fishing, Animal Husbandry & Related Products

NACE

P.85.4.2	Tertiary education

Open for EOI : Yes

Client

Type and Size of Organisation Behind the Profile

University

Year Established

1991

Turnover

10 - 20M

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English

Client Country

Czech Republic

Partner Sought

Type and Role of Partner Sought

Type of partner sought: Electronic measuring equipment manufacturers.

Role of partner sought: Manufacturing of offered device under license agreement and delivering measuring device to the market.

Type and Size of Partner Sought

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

Type of Partnership Considered

License agreement

Technology Request

Looking for new technologies and applications to integrate in drones and develop public and civil solutions

Summary

A Spanish SME specialized in developing RPAS (Remotely Piloted Aircraft Systems) and Unmanned Aerial Vehicle (UAV) related technologies is looking for new technologies such as sensors, applications and software to integrate and improve their already developed RPAS to develop specialized high-level solutions. A technical cooperation agreement is sought.

Expiration Date 09 March 2017
Reference TRES20160307001
Profile link

Details

Description

A Spanish SME experienced and focused on developing Remotely Piloted Aircraft Systems / Unmanned Aerial Vehicle (UAV/RPAS) and integrating new technologies to drones, is looking for new applications that can be integrated on UAV/RPAS. The company is experienced in all engineering areas related to unmanned aerial systems, their control and command, and the third parties payload integration in order to provide specialized solutions for a broad range of applications.

Their UAV/RPAS are lightweight systems with a powerful payload/airframe ratio, suitable to be classified in the MALE (Medium Altitude, Long Endurance) category which can offer a long autonomy RPAS which can be used to integrate all kind of sensors and offer a complete solution to companies from several sectors.

This SME has long experience in civilian applications using remote sensing techniques and has experience developing solutions for smart cities, forest & fire management and agriculture amongst others.

This SME has been performing projects jointly with specialized sensor manufacturers and research institutions, providing their capabilities to develop ad-hoc airframes as well as their competencies on fine tuning for complex aerial systems, test and validation.

Due to the wide range and diversity of projects, there are a set of examples classified by type of partners involved and project impact.

- Remote-sensing device manufacturers for agriculture, society and waste control: orthophotography, digital elevation models, aerial thermography and georeferenced aerial images.

- Ad-hoc sensors from research institutions for climate change and environment control: atmospheric data surveillance, river flow anomalies, dynamics of the river-sea interface on delta, forestry health & wealth evaluation.
- Sensor integration and novel software for secure societies: mine location and their geo-referencing (demining campaigns), human disaster response and automated search and rescue.
Their focus also includes all test and validation campaigns to help third parties in the payload integration validation and characterization, also command & control systems and flight planning systems, in order to help third parties in a seamless deployment to operational stage.

This SME is looking for solutions/sensors that could help improve processes once they are integrated on a custom-made drone and is offering their capabilities and technology to add value to any sensor, device or application suitable to integrate in an autonomous flying system.

A technical cooperation agreement is sought with companies with state of the art technologies that are looking to integrate them in drones to increase the capabilities of the technology and offer a differential and more innovative and efficient solution.

Technical Specification or Expertise Sought

The sensor and/or application should be:
- Suitable to be integrated in an RPA/UAV
- It should be unique
- It should solve a specific demand from one of the industries mentioned on the profile.
- It should be already on the latest stages of development and/or on the market

Stage of Development

Available for demonstration

IPR Status

Secret Know-how

Keywords

Technology

01001001	Automation, Robotics Control Systems
01003023	Environmental and Biometrics Sensors, Actuators
01004007	GIS Geographical Information Systems
02011001	Aeronautical technology / Avionics
09001009	Sensor Technology related to measurements

Market

05004002	Rescue and emergency equipment
09001006	Airfield and other transportation services
09003001	Engineering services
09005	Agriculture, Forestry, Fishing, Animal Husbandry & Related Products

NACE

C.26.5.1	Manufacture of instruments and appliances for measuring, testing and navigation
M.71.1.2	Engineering activities and related technical consultancy
M.72.1.9	Other research and experimental development on natural sciences and engineering
M.74.9.0	Other professional, scientific and technical activities n.e.c.

Network Contact

Contact Person
Giulia Basilici

Phone Number
+39 51 6398099

Email
giulia.basilici@aster.it

Open for EOI : Yes

Dissemination

Send to Sector Group
ICT Industry and Services

Client

Type and Size of Organisation Behind the Profile
Industry SME <= 10

Year Established
2003

Turnover
<1M

Already Engaged in Trans-National Cooperation
No.

Languages Spoken
English

Spanish

Client Country

Spain

Partner Sought

Type and Role of Partner Sought

- Type of partner sought: A technical cooperation agreement with R&D centre, university and/or private company with solutions such as technologies related to sensors, applications and software that can potentially be integrated in RPAS

- Specific area of activity of the partner: sensors, solutions that cover a large extension of land such as agriculture, wildfire, smart city, applications or services suitable to be improved by integrating them in an automated aerial framework such as telecommunications, border security, facilities surveillance, etc.

- Task to be performed by the partner sought: provide the expertise on the solution (application, sensor, etc) and collaborate integrating it on an RPA. Prepare a suitable business plan proposal for the RPAS/UAV application integration and its market opportunity, in order to perform a risk/benefit assessment in the early cooperation stages

Type and Size of Partner Sought

SME 11-50,University,R&D Institution,SME <10,>500 MNE,251-500,SME 51-250,>500

Type of Partnership Considered

Technical cooperation agreement

Attachments

prototype2.jpg



prototype.jpg


MINEOS