3 GOOD HEALTH AND WELL-BEING

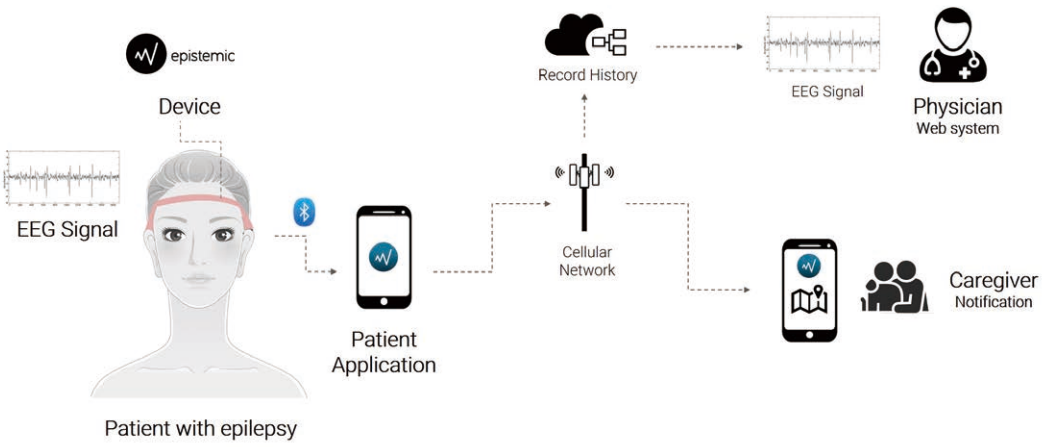
epistemic

EPISTEMIC

CNI
National Confederation of Industry
Brazil
CNI. THE STRENGTH OF THE BRAZILIAN INDUSTRY

BRAZIL

Prevision and alert device for epileptic seizures



RELATED SDGS GOALS

SDGS 169 TARGETS

3.4 Reduce mortality from non-communicable diseases

PRIMARY COUNTRY

Brazil

1 OUTLINE OF A PROJECT/ GOOD AND SERVICE

Epistemic is working to develop a device capable of predicting epileptic seizures with an average of 20 minutes in advance. The device will warn patients and caregivers of the incoming seizure. Epistemic built a seizure prediction software using non-linear dynamic systems theory and machine learning techniques on electroencephalogram signals. The proposed device is non-invasive and uses only 3 scalp electrodes. Epistemic is currently working on a miniaturized wearable electroencephalogram device to run the prediction software and enable warnings to happen on daily routines. The main objective is to give more autonomy and enhance quality of life of patients with epilepsy.

2 IMPACT ON SOCIETY

- Autonomy and empowerment of patients, less dependent on caregivers
- Safety enhancement with caution at right moments
- Diagnosis enhancement with 24 x 7 EEG information
- Economic impact due to accidents reduction and increase in patients enabled to work

URL

http://www.epistemic.com.br/

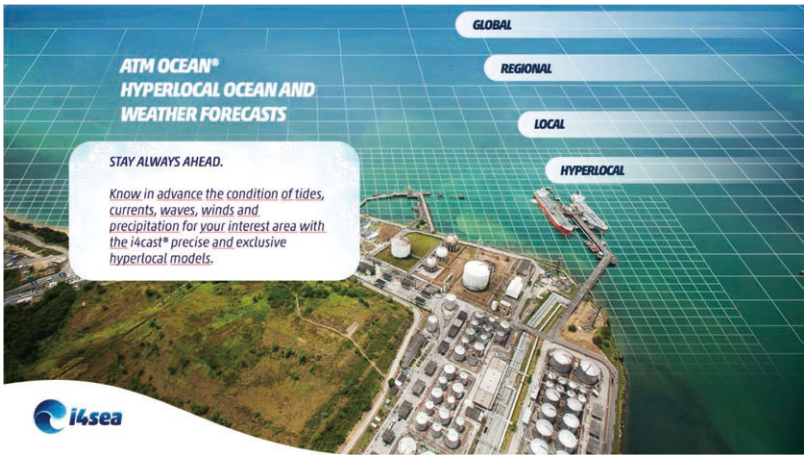
9 INDUSTRY, INNOVATION AND INFRASTRUCTURE

I4SEA

National Confederation of Industry
Brazil
CNI. THE STRENGTH OF THE BRAZILIAN INDUSTRY

BRAZIL

i4cast®
software



RELATED SDGS GOALS

SDGS 169 TARGETS

9.1 Develop quality, reliable, sustainable & resilient infrastructure
9.4 Upgrade infrastructure & retrofit industries to make them sustainable
9.5 Enhance scientific research, upgrade the technological capabilities for innovation

PRIMARY COUNTRY

Brazil

1 OUTLINE OF A PROJECT/ GOOD AND SERVICE

i4sea developed i4cast® - a software powered by high precision ocean, weather and vessel dynamics forecasts to inform the best moments for vessel-related operations. Coupled with a powerful ship's and cargo's planning software, big data and analytics tools, i4cast® can support port terminal´s decision making on the best moments to sail, dock, undock and ship more cargo, more often, more safely.

Since 2017, At TECON Salvador (Bahia-Brazil) the software allowed the shipment of additional 1000 container units per ship more safely. At Port of Cotegipe (Bahia-Brazil) the software identified a 4 fold increase in window availability to operate ships.

2 IMPACT ON SOCIETY

- Enhanced port terminal´s efficiency and safety levels;
- Accidents rates decrease;
- Positive impact on international logistics efficiency;
- Strong reduction in CO_2 emissions, due to more loaded ships;
- Reduction of dredging and port infrastructure construction costs and related environment impacts;
- Support to environmental impacts contingency actions;

URL

www.i4sea.com

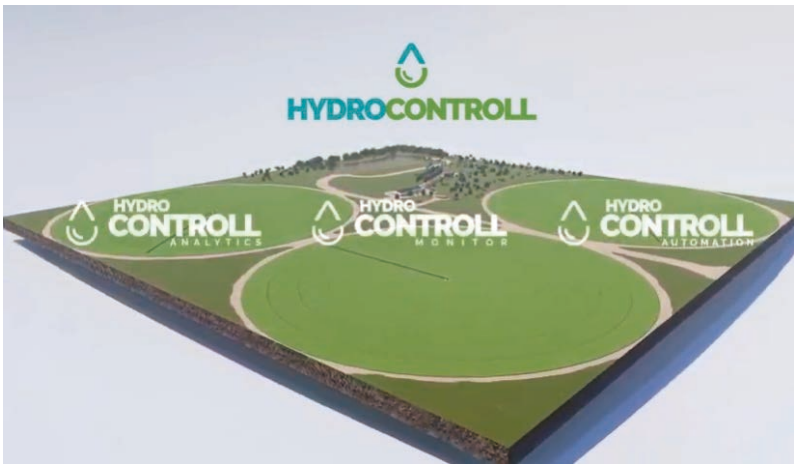
12 RESPONSIBLE CONSUMPTION AND PRODUCTION

STEFANINI

National Confederation of Industry
Brazil
CNI. THE STRENGTH OF THE BRAZILIAN INDUSTRY

BRAZIL

Agriculture production management solution that helps increase food production – resource optimization and higher management control



RELATED SDGS GOALS

SDGS 169 TARGETS

12.2 Achieve the sustainable management & efficient use of natural resources
2.3 Double the agricultural productivity
2.4 Ensure sustainable food production systems

PRIMARY COUNTRY

Brazil

1 OUTLINE OF A PROJECT/ GOOD AND SERVICE

HydroControll is a high technology platform that helps connect workers on the field to their own tillage, using meteorological data, satellite images, artificial intelligence and specialized technical support.
It has 3 modules:

- analytics, to manage intelligence data about water needs, soil, weather and equipment;
- data analysis of localized rainfall and vegetation, soil moisture (through satellite images) and wetness index; and
- automation, with complete and integrated automation of all equipment.

2 IMPACT ON SOCIETY

Helps increase food production by using high-end technology of field monitoring;
Creates environmental sustainability by reducing resource use;
Can reduce energy consumption by 30%.

URL

https://stefanini.com/pt-br/trends/noticias/ihm-e-hidroferti-lancam-solucoes-tecnologicas-para-segmento-agricola

URL

https://www.youtube.com/watch?v=X6KfkNBwROs

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

NATURA COSMÉTICOS

National Confederation of Industry
Brazil
CNI. THE STRENGTH OF THE BRAZILIAN INDUSTRY

BRAZIL

Carbon Neutral Programme

RELATED SDGS GOALS

SDGS 169 TARGETS

13.3 Improve human & institutional capacity on climate change

PRIMARY COUNTRY

Brazil

OTHERS

Argentina, Chile, Peru, Mexico and Colombia

1 OUTLINE OF A PROJECT/ GOOD AND SERVICE

Since 2007 Natura is carbon neutral, prioritizing the reduction of direct and indirect emissions throughout the production chain, in addition to offsetting 100% of what cannot be avoided. A mandatory stage in the company's innovation process is the Environmental Calculator. This digital system uses information about packaging and formulas to calculate the environmental impact of a product while it is still at the development stage, helping on the decision to proceed or to interrupt its development. The calculator is supported by a software that assesses carbon emissions and other information, such as potential for recycling, life cycle and ingredients.

2 IMPACT ON SOCIETY

- Since 2009, carbon emissions are considered to calculate the annual bonus payed to Natura's executives.
- The company reduced one-third of its CO_2 emissions by 2013, avoiding 480,000 metric tons of CO_2 emissions – or 83,000 trips around the Earth by car.

URL

https://www.natura.com/

12 RESPONSIBLE CONSUMPTION AND PRODUCTION

NEXXTO
você conectado ao que importa

NEXXTO S.A.

CNI
National Confederation of Industry
Brazil
CNI. THE STRENGTH OF THE BRAZILIAN INDUSTRY

BRAZIL

NEXXTO - Internet of Thing for Food Waste Prevention

RELATED SDGS GOALS

SDGS 169 TARGETS

12.3 Halve per capita global food waste & reduce food losses
3.8 Achieve universal health coverage

PRIMARY COUNTRY

Brazil

OTHERS

Uruguay

1 OUTLINE OF A PROJECT/ GOOD AND SERVICE

In 2016, NEXXTO launched a solution to reduce food and medicine waste along the distribution chain, from industry to retail. It consists of a network of small, wireless, battery-powered sensors that real-time monitors food temperature and humidity, among other variables, in order to detect when the product is at risk of spoiling and immediately alerts the users via SMS, e-mail or WhatsApp, so they can act, avoiding waste. The system also has a user-friendly web interface, an app to monitor the status of the products, and automatically generated reports to comply with quality control regulatory norms.

2 IMPACT ON SOCIETY

- Eliminate waste due to refrigeration problems
- Ensure food and medicine quality
- Eliminate manual labor on temperature and humidity register
- Real-time visibility along the whole distribution chain: from industry to retail
- Case-validated of 50% reduction on general food waste

URL
https://nexxto.com/solucoes/solucao-nexxto/

URL
https://www.youtube.com/watch?v=eT9vHLY6UCM

URL
https://www.youtube.com/watch?v=OFgavPoTJD8