



# INNOWWIDE

## The INNOWWIDE Reality

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**Joaquín Alviz**, Renacen

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement n° 822273.  
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# SMEs International Outreach: Views from VAP beneficiaries

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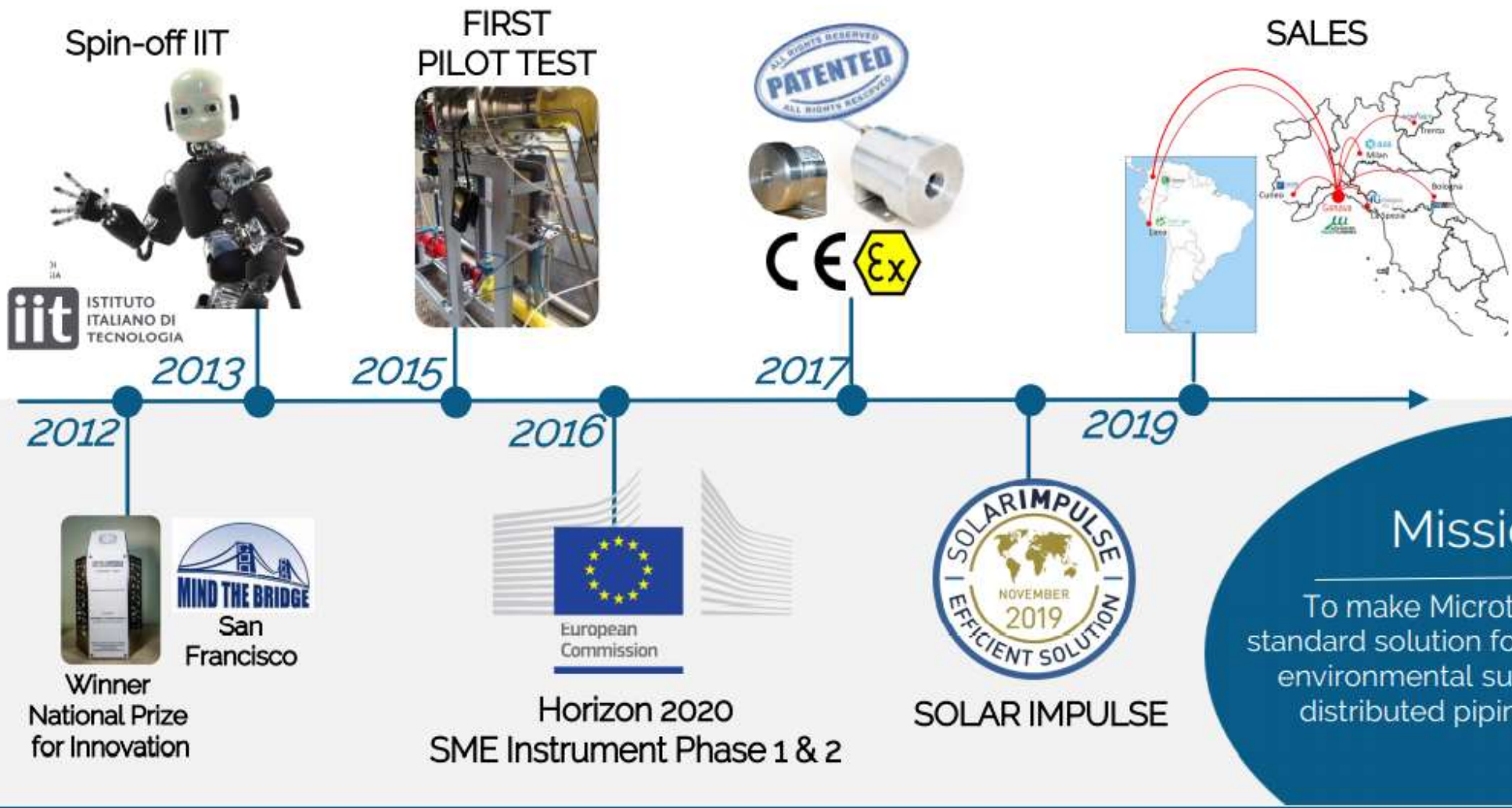


IoT Microturbine: enabling off-grid IoT applications and data-driven management of gas network in Peru

Emanuele Guglielmino, PhD  
Founder & CEO  
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# Company History



## Mission

To make Microturbines the standard solution for improving the environmental sustainability of distributed piping networks

## WHY PERU?

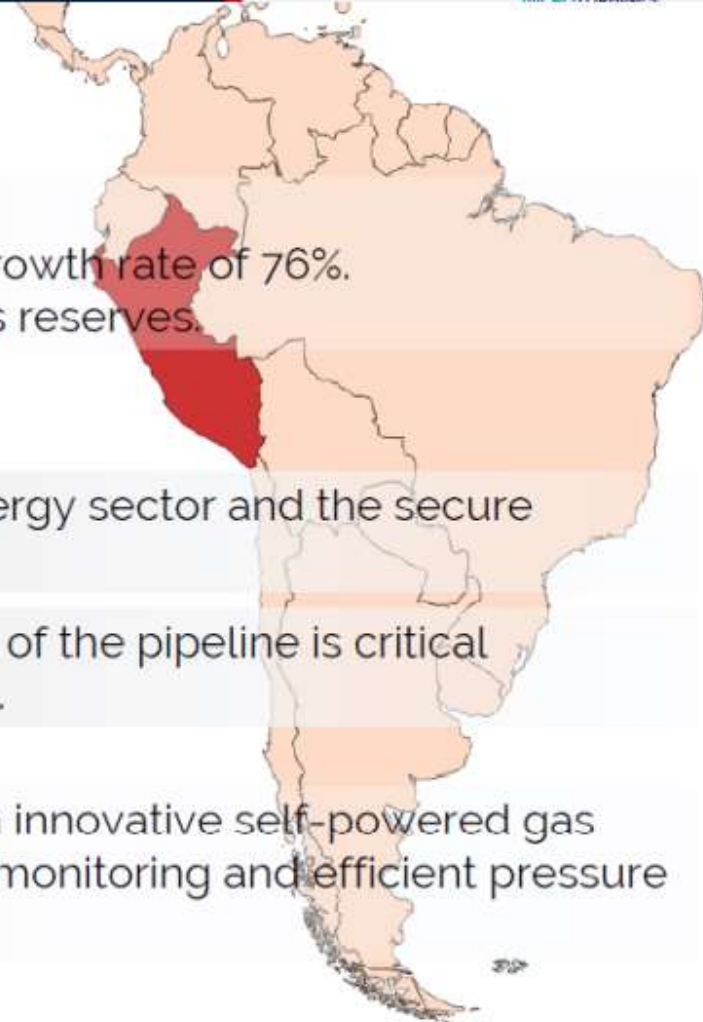
Peru is one of the fastest growing economies in South America. Since 2000, the increase of natural gas production has accumulated growth rate of 76%. Peru is the Latin America's second country with the largest Natural Gas reserves.

The Peruvian Government has set the following objectives:

**OBJECTIVE N°1** Ensuring natural gas infrastructure reliability for the energy sector and the secure expansion of the gas production in protected areas.

**OBJECTIVE N°2** The reliable and timely detection of failures of any part of the pipeline is critical to ensure the reliability of the natural gas infrastructure.

Our Microturbine for energy harvesting in gas pipelines (AMT) offers an innovative self-powered gas management system that simultaneously enables continuous remote monitoring and efficient pressure management of gas networks through data-driven decisions.





# INNO WIDE

## Evolution of 3D SeatMap<sup>VR</sup>

Joaquín Alviz, COO at Renacen.

July 7, 2021



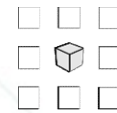
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# 1. OUR COMPANY

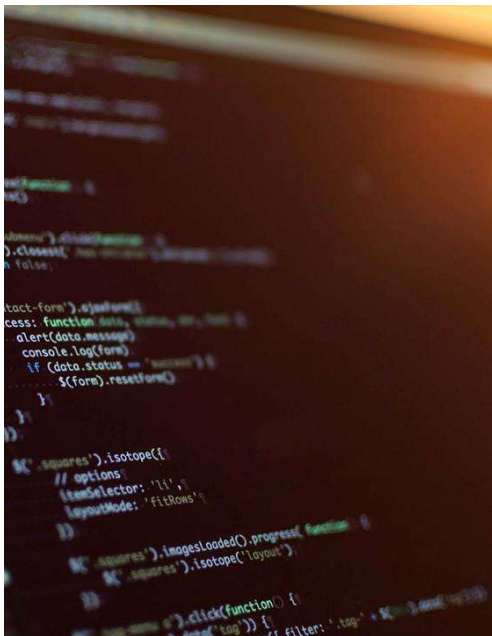


2011  
IT Services

2016  
In-house products



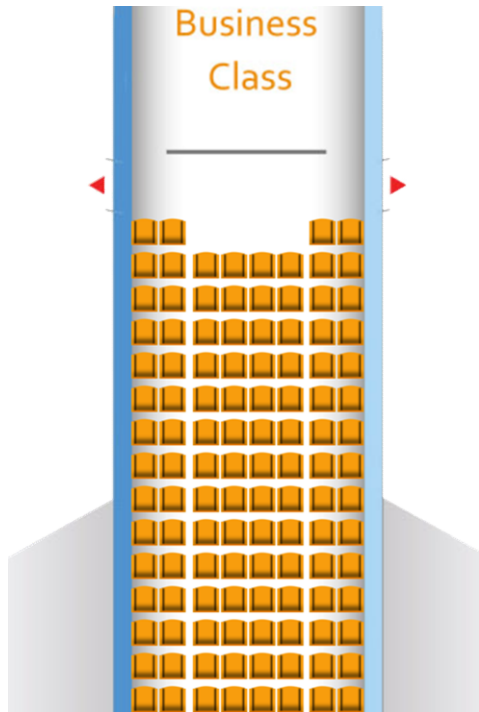
3D SeatMap<sup>VR</sup>



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## 2. OUR TECHNOLOGY

 3D SeatMap<sup>VR</sup>



 3D SeatMap<sup>VR</sup>





# 3. THE VAP

Extended application of virtual reality to the aeronautics industry: Feasibility of Software for Enhanced Simulation Experience (F-SENSE)

## THE INNOVATION

## THE TARGET COUNTRY

## THE LOCAL PARTNER



digital of things

Leading UX research studio in the Gulf area, based in Dubai.



United Arab Emirates

World tourism hub, connection between East and West, with a heterogeneous population (80% immigrants),



Gulf Customer Experience Awards



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# INNO WIDE

**Sustainable feed for  
shrimp aquaculture in  
Indonesia**

**STEER**

LSAqua 07/07/2021



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# 1. Who are we?

LSAqua is the section of the Belgian SME [Lambers-Seghers NV](#) specialized in Aquaculture feeding solutions, developing sustainable alternatives to reduce fishmeal and antibiotics use, where the formula is often adapted to customers' needs.

- LSAqua Suspro
  - a protein source
  - A blend of vegetable products, by-product materials and novel sources → PAP, SCP



- Concentrates
  - Diluted/mixed to enhance the nutritive value of complete feed (FAO).
  - based on our protein source with addition of mineral and vitamin premix.



# 2. STEER

## INDONESIA



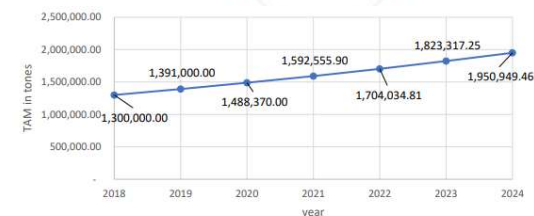
3<sup>rd</sup>-largest shrimp producer



- Specialized on feed additives for aquaculture and livestock
- 3<sup>rd</sup>-largest premix entity in Indonesia



Knowing the market  
HS code, SWOT, PETSEL, polices



Modifying the formula

Market and Nutricell's premix adaption

	7241.00 70% CP	
	20%	30%
Wheat Flour	20,90	20,90
Basemix Indonesia	1,00	1,00
LSAqua Concentrate 70%CP	20,00	30,00

- ✓ Agreement
- ✓ Product registration

LICENSE, CONTRACT MANUFACTURING AND SUPPLY AGREEMENT

between



**Thank you so much!**

**INNO**  **WIDE**



**Paula Solé Jiménez**  
**hello@lsaqua.be**



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# Next Generation *Sensors*

Bringing the lab to the sample

We disrupt the current contamination analysis market with HMCS by **"bringing the lab to the sample"**

By doing so we contribute to **food safety** and **food waste reduction.**





# PROBLEM AND SOLUTION

Next Generation  
Sensors  
Bringing the lab to the sample



Lack of **on site** and **real time** contaminant detection technologies.

## How can such disasters be prevented?



LAB-BASED SCREENING	SOURCE-BASED SCREENING
<ul style="list-style-type: none"> <li>EXPENSIVE</li> <li>TIME-CONSUMING</li> <li>TECHNICIAN NEEDED</li> <li>SAMPLE PREPARATION</li> <li>NO SOURCE TRACEABILITY</li> </ul>	<ul style="list-style-type: none"> <li>✓ LOW-COST</li> <li>✓ REAL-TIME</li> <li>✓ NO NEED FOR SKILLED PERSONNEL</li> <li>✓ NO SAMPLE PREPARATION</li> <li>✓ SOURCE TRACEABILITY</li> </ul>



# GLOBAL AMBITIONS (INNOWWIDE VAP: INDIA)

Next Generation  
Sensors  
Bringing the lab to the sample

## Technical VAP



✚ Blockchain

- ✓ Traceability
- ✓ Data Security
- ✓ Small scale POC

# CIED

## Market and legal VAP

- ✓ Regulations and certifications  
E.g. ISO/IEC 17025
- ✓ Tariff barriers
- ✓ Economic Viability Studies

# INDOCERT®

## Planned Pilot Studies



- ✓ Aquaculture water analysis



- ✓ Sea food contamination analysis

Potential: Hundreds of Units



# Q&A:

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**Faith Blakemore**, Steinbeis 2i (Moderator)

(1<sup>st</sup> call winner)

**Emanuele Guglielmino**, Advanced Microturbines

(Peru)

(2<sup>nd</sup> call winner)

**Joaquín Alviz**, Renacen

(United Arab Emirates)

(2<sup>nd</sup> call winner)

**Paula Sole-Jimenez**, LSAQUA

(Indonesia)

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**Sarfaraz Syed**, Next Generation Sensors

(India)