

Colombian company in the aeronautical sector is interested in participating with partners in projects and calls for the development of new innovative products.

Summary

Profile type

Technology offer

Company's country

Colombia

POD reference

TOCO20240216018

Profile status

PUBLISHED

Type of partnership

Investment agreement
Commercial agreement with technical assistance

Targeted countries

• **Luxembourg**

Contact Person

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Term of validity

16 Feb 2024
15 Feb 2025

Last update

16 Feb 2024

General Information

Short summary

The Colombian aeronautical-based company develops physical and virtual trainers using 4.0 technologies. It also produces tools for aircraft ground assistance. Its main international market is in Latin America and it aims to expand to other parts of the world by creating long-term partnerships to market, research, and develop innovative products in the aircraft sector.

Full description

The Colombian company was established in January 2011, it was created by mechanical and aeronautical engineers. It is located in Medellin, Colombia. They have the ability to innovate with every company, offering safety, reliability, and training.

By 2015, the company founded the "Clúster Aeroespacial Colombiano", which articulates the regional and national innovation system (university, business and state) to promote economic and social development through the aerospace sector. Two years later they received the R+D+I Unit certification by Ministry of Science, Technology and Information.

It has received multiple recognitions, and in 2021 the company received the AS9100D/ISO 9001 Certification for

aerospace quality management, two years later this certification was renovated.

Their capabilities and services:

Simulation & Training

- Training equipment for the aeronautical sector and other industries.
- Virtual Simulation environments for process simulation.
- Optimization and minimization of operational risks related to the new staff training, increasing the level of the information retained through simulation of experiences based on real-life; as well as implementing gamification theories and immersive technologies like virtual reality, mixed reality and augmented reality.

GSE & Tools

- Ground Support Equipment, Special Tools and Fixtures.
- All tools manufactured by the company are certified with AS9100D to provide best quality in our special tools.

Additive Manufacturing

- Agile and efficient solutions to enhance part availability and minimize the impacts of high operational demand in aviation.
- Additive manufacturing provides agile and efficient solutions to enhance part availability and minimize the impacts of high operational demand in aviation.
- Faster production
- Design flexibility
- Reduced supply chain dependency
- Efficient repairs and replacements

Special Projects

- Standardized contracts for equipment maintenance and operation that requires remote assistance Designing and manufacturing of tools and equipment to meet the industry needs
- Equipment rental for logistic and distribution centers.
- Equipment maintenance.

It has already started some international operations in the following countries:

Costa Rica
Brazil
Ecuador
El Salvador
Panama
Peru
Dominican Republic
United States



Advantages and innovations

One of the primary advantages of the aircraft technology industry lies in its ability to adapt for customized product development, fostered by a corporate culture of innovation, and a strong emphasis on valuing all its partners.

Additionally, the company prioritizes quality, price competitiveness, and direct communication, all of which contribute to successful goal achievement. With dedicated Engineering and Innovation departments, the company conducts research, trend analysis, and new product development to stay at the forefront of technological advancements.

Technical specification or expertise sought

Stage of development

Already on the market

IPR Status

IPR applied but not yet granted

Sustainable Development goals

- **Goal 4: Quality Education**
- **Goal 8: Decent Work and Economic Growth**
- **Goal 11: Sustainable Cities and Communities**

Partner Sought

Expected role of the partner

The company actively seeks various partners. In the field of innovation, potential roles include companies with experience in collaborative project development with resources from official entities, as well as universities with research and knowledge transfer departments.

From a commercial perspective, potential roles include companies in the aeronautical sector, primarily those involved in the distribution of tools and ground support equipment for aircraft.

Type of partnership

Type and size of the partner



Investment agreement

Commercial agreement with technical assistance

• **R&D Institution**

• **Big company**

• **SME 50 - 249**

• **University**

• **SME 11-49**

Dissemination

Technology keywords

- **02011001 - Aeronautical technology / Avionics**
- **02002009 - Machine Tools**

Targeted countries

- **Luxembourg**

Market keywords

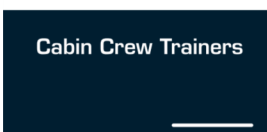
- **09004008 - Other manufacturing (not elsewhere classified)**
- **09003001 - Engineering services**

Sector groups involved

- **Aerospace and Defence**
- **Digital**
- **Electronics**
- **Tourism**

Media

Images



[cabin - Yohana Duque.PNG](#)

Door Trainer
Airbus A-320



Door Trainer
Boeing 737



- ✓ Slides & rafts
- ✓ Mockups
- ✓ Door trainers
- ✓ Virtual simulation



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Special tools & GSE
 All tools manufactured by Nedar are certified with ASS1000 to provide best quality in our special tools.



Drinking water cart and hot water pressure washer
 Potable water cart and hot water pressure washer: It is a multi-purpose cart that can supply potable water to aircraft tanks or can be used to wash aircraft components with high-pressure hot water.



Compressor washing Machine
 Compressor washer CPM 56 V2500, LEAP PW1100, Trent 700, Trent 1000. Equipment designed to wash the compression cover of the turbine in order to improve performance, consumption and reliability during the flight.

[tools - Yohana Duque.PNG](#)

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