

Canadian IT company is seeking partners to develop 3D thermal modelling technology based on drone imagery capture

Summary

Profile type	Company's country	POD reference
Business request	Canada	BRCA20230403038
Profile status	Type of partnership	Targeted countries
PUBLISHED	Commercial agreement	• World
Contact Person	Term of validity	Last update
Alice MOROSINI	3 Apr 2023 2 Apr 2024	5 Apr 2023

General Information

Short summary

Our client is a Canadian IT company that is seeking partners with which to develop 3D thermal modelling technology. This technology would be based on drone imagery captured using thermal optics. Our client is seeking technology development partners and building facilities for demonstration and proof of concept purposes with whom they can establish a commercial agreement.

Full description

Our client uses drone technology and photogrammetry software to develop high-resolution thermal imagery and 3D models of buildings. This imagery and subsequent models are used to examine energy efficiency analysis, building operations, and property management. Their energy efficiency analysis is offered as a service to owners and managers of residential, commercial, and industrial buildings.

Our client is seeking technology development partners and building facilities for demonstration and proof of concept purposes with whom they can establish a commercial agreement.

Advantages and innovations

An advantage of this technology is that it combines advanced thermal optics with advanced photogrammetry software to analyze the energy efficiency of building stock.

Additionally, they are proposing as part of this technology partnership to develop a public mapping application which combines building data with the company's thermal imagery visualization product.

Technical specification or expertise sought

The company is seeking partners in technology development, building and facility operators, and energy utilities. Additionally, our client would be interested in partnering with energy efficiency implementors and manufacturers of insulation products for buildings.

Stage of development

Concept stage

Sustainable Development goals

- **Goal 11: Sustainable Cities and Communities**
- **Goal 17: Partnerships to achieve the Goal**
- **Goal 7: Affordable and Clean Energy**
- **Goal 13: Climate Action**

IPR Status

Secret know-how

Partner Sought

Expected role of the partner

The company is seeking partners in technology development, building and facility operators, and energy utilities. Additionally, our client would be interested in partnering with energy efficiency implementors and manufacturers of insulation products for buildings.

Type of partnership

Commercial agreement

Type and size of the partner

- **SME <=10**

Dissemination

Technology keywords

- **02007002 - Building materials**
- **005005002 - Moisture sensors**
- **09001009 - Sensor Technology related to measurements**
- **01001001 - Automation, Robotics Control Systems**
- **02006004 - Installations related to construction (energy, lighting, ...)**

Targeted countries

- **World**

Market keywords

- **09002002 - Real estate**
- **02002008 - 3D**
- **02002002 - Graphics systems**
- **06006003 - Heat recovery**
- **06006001 - Thermal insulation**

Sector groups involved

- **Construction**
- **Digital**
- **Energy-Intensive Industries**