

Partner search

Company: Itech Soluções Ltda

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Short Company presentation

(R & D guidelines, international activities, etc.)

Itech Soluções is an industrial automation and system integration company with 18 years of experience delivering solutions for medium and large industries. Focused on supervision and control projects, Itech prioritizes innovation and cutting-edge technology development for its B2B clientele.

R&D Focus:

Itech is committed to innovation, demonstrated by its participation in research projects funded by renowned organizations like FAPESP and CNPQ. Key projects include:

- iMachine Wireless: A predictive maintenance system for electrical machines utilizing autonomous sensor networks powered by energy harvesting technology to analyze vibration and temperature data.
- iMachine IA: An online predictive maintenance system for electrical machines leveraging Machine Learning and AI techniques.

Itech's dedicated R&D team comprises over 10 researchers, many of whom transitioned from successful PIPE and CNPQ projects, ensuring continuous development of innovative solutions.

International Activities:

Itech's reach extends beyond Brazil, with successful projects executed in Latin American countries such as Argentina, Uruguay, Venezuela, and the Dominican Republic. The company actively participates in leading global automation technology fairs, including Hannover Messe (Germany) and Automation Fair (USA).

Currently, Itech is in negotiations with Edge Global, a major global automation solutions distributor, to represent the company in key markets like Brazil, USA, Italy, and China. A joint project is underway in Brazil to evaluate market potential and solution quality, paving the way for a global partnership.

Key Achievements:

Winner of the "Continuous Analysis of Hydraulic Oil Quality" challenge in the Geração Inovação SPIC Brasil 2024 program, showcasing Itech's AI-powered solution for enhanced equipment performance.

Submitted an innovative project to FINEP (Mais Inovação Brasil - Tecnologias Digitais) focused on using Generative AI to optimize processes and increase operational efficiency for factory floor workers.

Infrastructure:

Itech operates from a well-equipped 250m² office featuring modern computer systems, a high-speed communication network, and a dedicated R&D laboratory equipped with advanced tools like oscilloscopes, signal generators, precision multimeters, soldering stations, and more.

DESCRIPTION OF ITS TECHNOLOGY AND CAPABILITIES IN R & D (Products, technologies, applications, services, etc.)

Itech develops advanced solutions (Imachine) for industries that improves maintenance management by reducing machine downtime and avoiding unexpected breakdowns. Through our system, maintenance teams can obtain an accurate diagnosis of the condition of their machines and take action before failures occur.

We have developed a complete, end-to-end solution for an online predictive maintenance system for rotating machinery using Machine Learning techniques and an accelerometer sensor Network. The solution has already been implemented by some customers.

The main objective of this international mission is to immerse ourselves in the European market, aiming to internationalize our solutions and consolidate our presence on this continent. To achieve this objective, we have defined strategic goals that will guide us throughout this journey:

1. Understanding the European Market
2. Establishing Strategic Partnerships
3. Analysis of the Feasibility of Local Operation

In short, the main goals of this mission are to conduct an in-depth analysis of the European market, prospect strategic partners and assess the feasibility of expanding our company to the European continent. By achieving these goals, we hope to build a solid foundation for the internationalization of our solutions and the success of our company in the global market.

PROPOSED COLLABORATIVE PROJECT IN R & D

(As much detail as possible, both in what it offers and what you want in a potential partner)

What We Offer: We bring to the table innovative technological solutions (details to be discussed upon partnership alignment), a proactive and collaborative approach, and a commitment to building long-term, mutually beneficial relationships. We are particularly interested in partnerships that offer:

Market Expertise: Collaborators with a deep understanding of the European market, its regulations, and specific industry trends.

Distribution Channels: Partners with established networks to facilitate the introduction and distribution of ITECH's solutions across Europe.

Technical Expertise: Collaboration with research institutions and universities to drive joint innovation projects, product development tailored to the European market, and access to cutting-edge research.

What We Seek in a Partner: Shared Vision: Alignment on international growth strategies and a commitment to excellence in technology and innovation.

Complementary Expertise: Partners that fill our knowledge gaps in areas such as European regulations, local market nuances, and specialized technical fields.

Strong Network: Established relationships with key stakeholders in the European market, including potential customers, investors, and regulatory bodies.

Collaborative Spirit: A commitment to open communication, knowledge sharing, and joint problem-solving throughout the partnership.

Collaboration Opportunities: We are open to exploring various partnership models, including but not limited to:

Joint Ventures: Establishing a new entity to focus on European market expansion, leveraging combined resources and expertise.

Distribution Agreements: Partnering with established distributors to leverage their existing networks and market reach.

Research Collaborations: Working with research institutions and universities on joint R&D projects, focusing on product localization and development of new technologies.

Next Steps: We are eager to connect with potential partners to discuss collaborative opportunities in detail, explore synergies, and chart a course for mutual success in the European market.

General comments:

- By sending this information document authorizing its dissemination.
- Company webpage: