# Modular open-source platform for collaborative IIoT development

Empretec 2015 | FONARSEC 2016 | UNL Sadosky-MinCyT 2023 | UBA Incubated | International Patent

## PROFILE

**Sector:** IIoT Technology, AI, ML
**Product:** Cloud platform and modular hardware/software development system (AI-assisted)
**Founded:** 2017
**Team:** 4 people
**Technologies:** IoT, Edge Computing, Open Source, AI/ML

## METRICS

- 50+ hardware modules available
- Active sectors: Agriculture, Oil&Gas, Industry 4.0, Education, Automation
- Equipment operating in: Argentina, United States, Colombia
- Open source and scalable code

## TEAM

**Mariano Hunkeler**
CEO - CTO

**Catalina Hunkeler**
CPO

**Luciano Rottoli**
Developer

**Ramiro Alarcón**
Developer

## CONTACT

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## COMPANY

Technology-based start-up whose members have extensive experience in embedded systems development and industrial automation systems. EMIC operates through three main business units: Modular Hardware (stackable IoT modules), Software & Platform (AI-powered low-code editor and dashboards), and Marketplace (templates and resources for the community).

Our products and services are primarily targeted at IoT developers and integrators working in the Agriculture, Oil & Gas, Industry 4.0, Education, and Industrial Automation sectors across Latin America.

Freemium model with multiple revenue streams: premium subscriptions, marketplace commissions, hardware crowdfunding, and professional services.

## PROBLEM

Decentralized IIoT development forces constant component reinvention. Technical uncertainties in every line of code multiply timelines (6-12 months), create external vendor dependencies, and cause 70% of projects to fail before production.

## SOLUTION

EMIC eliminates uncertainties through community-validated modules. Battle-tested code reduces risk to near zero. Reusability increases efficiency 100x, implementations drop from months to weeks. Open source transforms high-risk projects into predictable, successful implementations.

## PRODUCTS AND SERVICES

- Open-source framework with integrated AI agent for IIoT development
- Low-code drag & drop editor
- Community-validated hardware module library
- Customizable no-code dashboards
- Template and resource marketplace
- Hardware crowdfunding for new module development

## DIFFERENTIATOR

Only collaborative open-source IIoT ecosystem in LATAM. Resources validated by hundreds of real implementations eliminate vendor lock-in. Active community with technical support.

## MILESTONES AND PROJECTION

**2015** — Empretec
**2016** — FONARSEC
**2017** — Founded Emic
**2023** — Sadosky+UNL funding
**2028** — Projection 300 companies