ESG:
How Industry can enhance its operations

The requirement for ESG practices will be mandatory in 2026, attracting investments and increasing efficiency. We offer technologies that improve processes and reduce waste.

The growing pressure from international bodies, consumers, and investors is making the implementation of ESG practices a requirement for companies. In Brazil and the European Union, presenting corporate sustainability reports will be mandatory starting from 2026. Other countries are also following this trend and will establish this obligation in the coming years.

Companies that prioritize ESG practices tend to attract more robust investments, reduce operational risks, and build a solid reputation. Moreover, governance aligned with these principles increases organizational efficiency and makes the industry better prepared to face crises and regulatory changes.

Aim!rim

We deliver sustainable technologies and innovative products to our clients, improving their processes. This contributes to effective data collection and analysis, agile improvements, and waste reduction, whether in terms of time or resources.

ISSB and Sustainability Reports

The International Sustainability Standards Board (ISSB) was created to develop and maintain a set of global sustainability standards that help companies disclose information about their ESG practices. Over the past few years, many countries have adopted the ISSB standards as a basis for regulations that make corporate sustainability reporting mandatory.

How is the industry positioning itself?

The industrial sector is facing increasing pressure to demonstrate the carbon footprint of its products, needing to transparently present the total amount of greenhouse gases emitted throughout a product's life cycle, from creation to final delivery. This requirement exemplifies how ESG is transforming industrial operations, fostering a virtuous cycle of innovation, efficiency, and accountability.

The market is changing rapidly, and companies that strategically adopt ESG will not only have a competitive edge but also be addressing the present and future of business.

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How our products deliver ESG value:

Effective implementation of ESG practices requires approaches that promote innovation and operational efficiency. To help you decide the best way to bring ESG to your industry, we have some suggestions:

Data Analytics

Utilizing Data Analytics is a crucial step for digital transformation. It generates insights that can lead to significant resource savings. For example:

- **Identification of Patterns and Trends:** Data analysis helps identify areas where resources are being wasted, allowing corrective actions before they become major issues, thereby saving materials

Kuab®

To facilitate the implementation of this approach, you can use Kuab, a low-code platform that transforms collected data into relevant information through data analytics techniques.

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Universal
Integrator
by Aimirim

Process Control

Improving process control also means significant resource savings.
A structured approach can:

- **Reduce Consumption:** Constantly monitoring and adjusting processes decreases excessive energy and resource use.

- **Reduction of Rejection:** The stability of production processes ensures a reduction in rejection rates and product reprocessing, contributing to savings.

Opper
Arandu®

To assist with process improvements, we offer **Opper Arandu**, an advanced control system that uses Machine Learning and Artificial Intelligence techniques to control processes in real-time, adapting to different operational scenarios.

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Management and Decision Making

Advanced maintenance management systems ensure more efficient management, so all assets are operating at their optimum. Some advantages include:

- **Deduction of Downtime:** Predictive maintenance can prevent unexpected failures, minimizing waste and production delays.

- **Identification of Cause of Failures:** The ability to quickly identify the root causes of mechanical failures allows operations to resume more swiftly and safely.

- **Greater Sustainability:** Through efficient equipment use, the environmental footprint of your operation can be reduced.

Xamã®

With this in mind, Aimirim developed **Xamã**, a data-driven decision-making tool that integrates management and operation. Xamã integrates tacit knowledge with equipment and process data, alongside advanced analyses, to ensure efficient maintenance management.

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Universal Integrator by Aimirim

Come and talk to Aimirim

We are the only company that offers automation products and services to industry, combining software, hardware and consultancy for a complete digital transformation.

We combine innovation, expertise and customer focus to generate advances in Industry 4.0 that enable the sector to evolve with autonomy, increased energy efficiency and sustainable financial results.

Brazilian startup, made by brazilians and with great partners around the world. We believe in sharing experiences and collaborating to train leaders capable of dealing with the world's biggest companies.

Universal Integrator Training is part of the new movement to transform the industry based on OpenSource models and more sustainable development practices.

Our products help various partners achieve decisive results in terms of increased productivity and ESG actions:

Kuab®

It transforms process data into relevant information and generates valuable insights to improve efficiency and decision-making in the industry.

Ceuci® Atiaia®

Sensors that use the information generated in real time to improve process control and meet operating requirements.

Opper Arandu®

It uses Machine Learning and Artificial Intelligence techniques to control process parameters in real time and in different operating scenarios.

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