



#### OPPORTUNITY

Streamline complex procurement and supply chain workflows with agentic AI for faster, more accurate operations.

#### INNOVATION

AGIMERO built a fully digitized, AI-powered procurement and supply chain system with advanced hardware integration.

#### SOLUTION

Using InterSystems IRIS Database to store their data, Agimero enables fast and accurate vector search.

#### IMPACT

AGIMERO's system redefines supply chain management with unmatched speed and flexibility.

## Guided Agentic Procurement: AGIMERO Pioneers the Future of Supply Chain Management

**AGIMERO** is a cutting-edge technology firm that specializes in innovative procurement and supply chain management solutions. The opportunity for AGIMERO's innovation arose from the inefficiencies and complexities inherent in traditional procurement and supply chain management processes. Many companies, especially those with global operations, faced significant challenges, including manual and paper-based ordering, lengthy processing times, and the inability to quickly adapt to disruptions. These issues not only increased costs and time but also led to errors and delays, which could have severe impacts on business operations. AGIMERO identified the need for a more streamlined, automated, and intelligent procurement system that could address these pain points and improve overall efficiency.

### Adaptive Procurement with InterSystems IRIS and Vectorized Supply Catalogs

Aware of this opportunity, AGIMERO developed a comprehensive end-to-end automated procurement system that revolutionizes supply chain management. This system uses machine learning to adaptively create and update user profiles, streamlining the procurement process and ensuring compliance with organizational rules. Digital catalogs from manufacturers, suppliers, and dealers are standardized and tokenized. Using **InterSystems IRIS®** to store this data, AGIMERO's solution implements fast and accurate vector search of these catalogs. It also leverages RFID technology for quick and easy ordering, eliminating the need for manual keyboard entry.



**“We are proud to be independent [of] any other solution, we are proud to be able to connect with any other solution, we are proud to be better than any other solution because our technicians are so innovative.”**

*The Agimero team*

**Adaptive user profiles:** Machine learning algorithms create and update user profiles, detecting purchasing patterns and enforcing organizational rules, such as budget limits, to optimize the procurement process.

**Digitized and tokenized supplier catalogs:** Digital catalogs from various suppliers are standardized and tokenized, stored in a powerful InterSystems IRIS database, enabling fast and accurate vector search.

**Real-time supply chain tracking:** Real-time tracking of the supply chain allows for rapid response to disruptions and deviations, minimizing errors and ensuring the supply chain remains efficient and dependable.

**RFID order board-card system:** The RFID order board-card system simplifies the ordering process, allowing users to place orders with a simple scan, significantly reducing the time and effort required.

## An Intuitive Interface: Reducing Costs, Saving Time

The AGIMERO system has had a profound impact on procurement processes by significantly reducing costs and time. A mid-sized company in the Euro area, for instance, can save anywhere from 200,000 to 2 million Euros annually, including thousands of hours, by digitizing and automating their procurement stages. This efficiency is achieved through the use of RFID technology, which streamlines ordering, and machine learning, which adaptively creates user profiles to optimize the procurement process. The system also enhances user experience by making the technology accessible and intuitive, which is crucial for the successful adoption of such advanced solutions.

## About the Winner: AGIMERO GmbH

AGIMERO specializes in innovative procurement and supply chain management technologies. By integrating machine learning, vector search and RFID technology, it has revolutionized the way mid-sized companies manage their procurement processes, making them more efficient, cost-effective, and user-friendly.

### About the InterSystems Impact Awards, Selected by an MIT Panel

Each year select client organizations are recognized at the InterSystems READY conference for projects driving positive change. Nominations are evaluated by independent judges from MIT on three criteria:

- **Makes a significant difference**
- **Breaks new ground**
- **Sets an example**

To learn more about the InterSystems Impact Awards visit <https://www.intersystems.com/intersystems-impact-awards/>.