

## **Chapter 2 – Logisa in Motion: Lightweight AI for Transport, Load, and Temperature without Breaking the Budget**

By Richard Dioses

At Logisa, every square meter matters—and so does every degree. We are a pharmaceutical distribution company where not only the 'what' matters, but also the 'how' and 'when'. In our first article, we talked about accessible artificial intelligence for inventory; now we take a step further: we bring that efficiency to transportation, temperature, and load organization.

### **Why Transport and Load? Because Efficiency Doesn't End in the Warehouse.**

Transport is an extension of the warehouse. Poor planning can result in poorly distributed products, lost time, extra costs, and even health risks if the cold chain is broken. But low-cost AI can help us—no robots or massive investments needed.

### **Temperature Under Control: One Alert Can Save Thousands of Soles**

At Logisa, we already monitor temperature, but we've identified improvement opportunities. A macro or a small Excel app could read temperature logs (manually entered or connected to sensors) and generate automatic alerts if there's a compliance risk. It could even integrate with email or WhatsApp to notify the team in real time.

### **How to Load the Truck? How to Stack the Pallets? Let Lightweight AI Suggest It.**

What if an Excel template with macros could help you organize the truck load based on weight, volume, and route? Simple optimization algorithms like 'Bin Packing' or 'First Fit' can be adapted to Logisa's needs. With them, we could:

- Suggest how to build pallets according to product type and priority.
- Distribute boxes in the truck to maximize space without compromising safety.
- Minimize unnecessary travel by optimizing deliveries.

### **An API That Talks to Odoo: The Gateway to a Connected Ecosystem**

Our main system (Odoo) has the potential to integrate with our smart spreadsheets. Creating a basic API could enable automatic synchronization of inventory, order, or temperature data—eliminating double entry and paving the way for more agile, unified management.

### **What's Next? The Path of Continuous Improvement**

This article is the second step of a journey. Each month will bring a new chapter. The next one could focus on:

- Automatic purchase recommendations based on rotation and seasonality.
- Traceability control from reception to dispatch.
- Real-time dashboards for all areas (without paying expensive licenses).

At Logisa, innovation is not a luxury—it's a conscious decision. And with lightweight AI, smart macros, and a passion for improvement, we are building the future... step by step, and box by box.

### What Do You Want for Chapter 3?

We'd love to hear from you! Help us decide the topic of our next chapter. Please participate in our quick survey: [Vote for Chapter 3 Topic Here](#)

🔗 [Click here to vote](#)

[https://docs.google.com/forms/d/e/1FAIpQLSfQ9CRangu03VGdV\\_uJlDn38T18tQbYHbx0QHvtemivS91gsQ/viewform?usp=header](https://docs.google.com/forms/d/e/1FAIpQLSfQ9CRangu03VGdV_uJlDn38T18tQbYHbx0QHvtemivS91gsQ/viewform?usp=header)