

I2.02 - Supply Chain Planning for Optimized Demand Fulfillment

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Background

Polimeros Opticos (PO), leaders in the distribution and marketing of optical products such as frames (ophthalmic lenses), contact lenses and accessories in Mexico

Problem statement

PO faces data inconsistencies across sources, causing delays in demand forecasting and higher costs due to manual processing

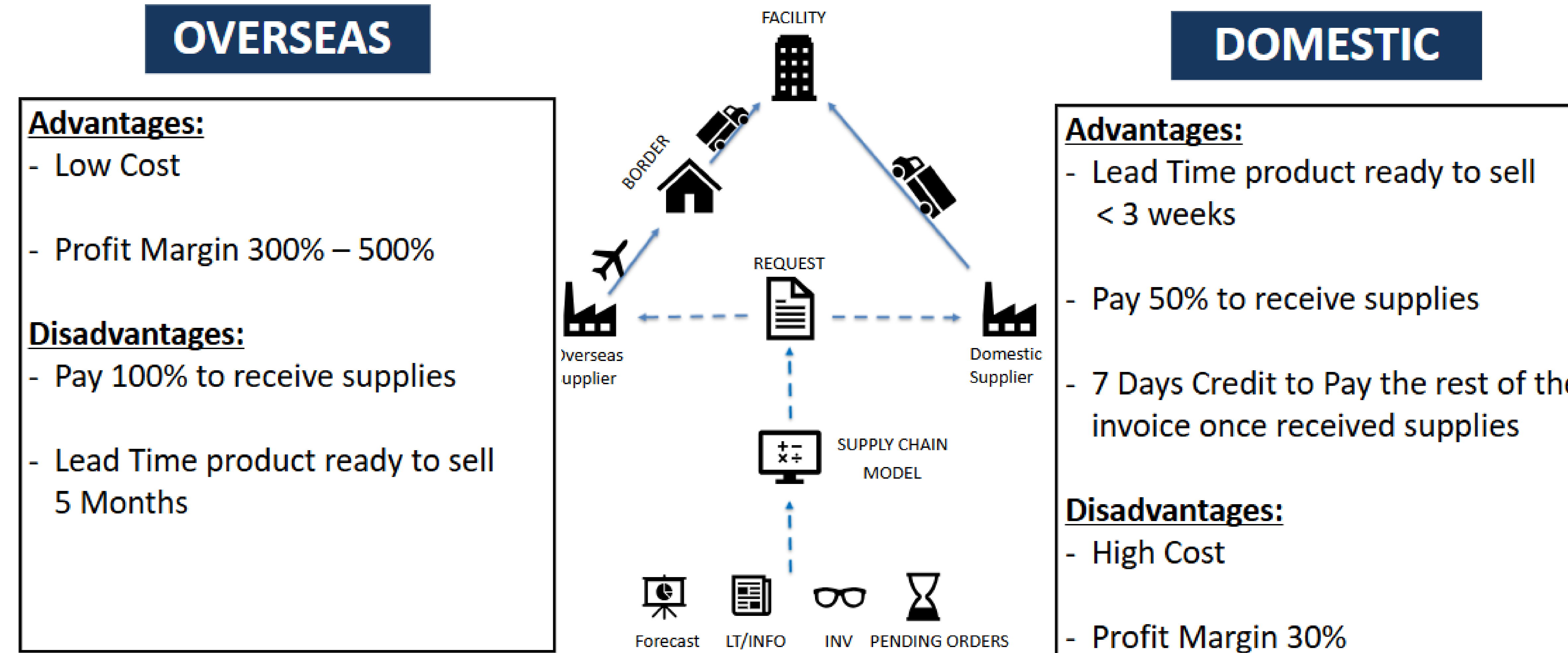
Project Objectives

1. Build Supply Chain Model
Simulate the flow of goods, info, and finances to improve cost, efficiency, and delivery.
2. Create Scenario Platform
Manage and analyze business scenarios to support decisions.
3. Define Monthly Planning
Standardize planning to ensure consistency and strategic alignment.

Benefits

- Streamlined operations
- Better demand coverage
- Reduced costs and errors
- Enhanced decision-making
- Increased adaptability
- Faster user onboarding

Supply Chain Model



Human Factors

- Reduce mental workload of key personnel
- Clear Reporting and Visualization
- Adaptability of Scenarios and Flexibility of Model
- Training and Decision Support
- Make better decisions according to business plan

Future Plans

- Scenario Management & Testing
- Validate results
- Define new reports
- Go to production

Environmental

- Reduce transportation cost
- Donating unused frames to women shelters

Team Members



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Model & Dashboard Results

