
Land O' Frost Formulation Improvement

IPRO 345



Great Taste, Low Cost



- Family-Owned
- 50 years
- Various Customers
- Customer Satisfaction

a. Statement of the Problem

- Lansing, IL Plant

- More efficient

- More productive

- Our group's Role



b. Organization of the Team

- Individuals' expertise
- Minimal subdivision
- Small group size
 - Equal task distribution

Name	Major
Alemayehu, Matti	Chemistry
Amegasse, Pierre-Paul	Chemical Engineering
Hogan, Michael	Computer Science
Isoda, Mitchell	Applied Mathematics
Li, Cheng	Applied Mathematics
Mick, Emily	Chemistry
Torres, Edgar	Computer Science

Goals of the Project

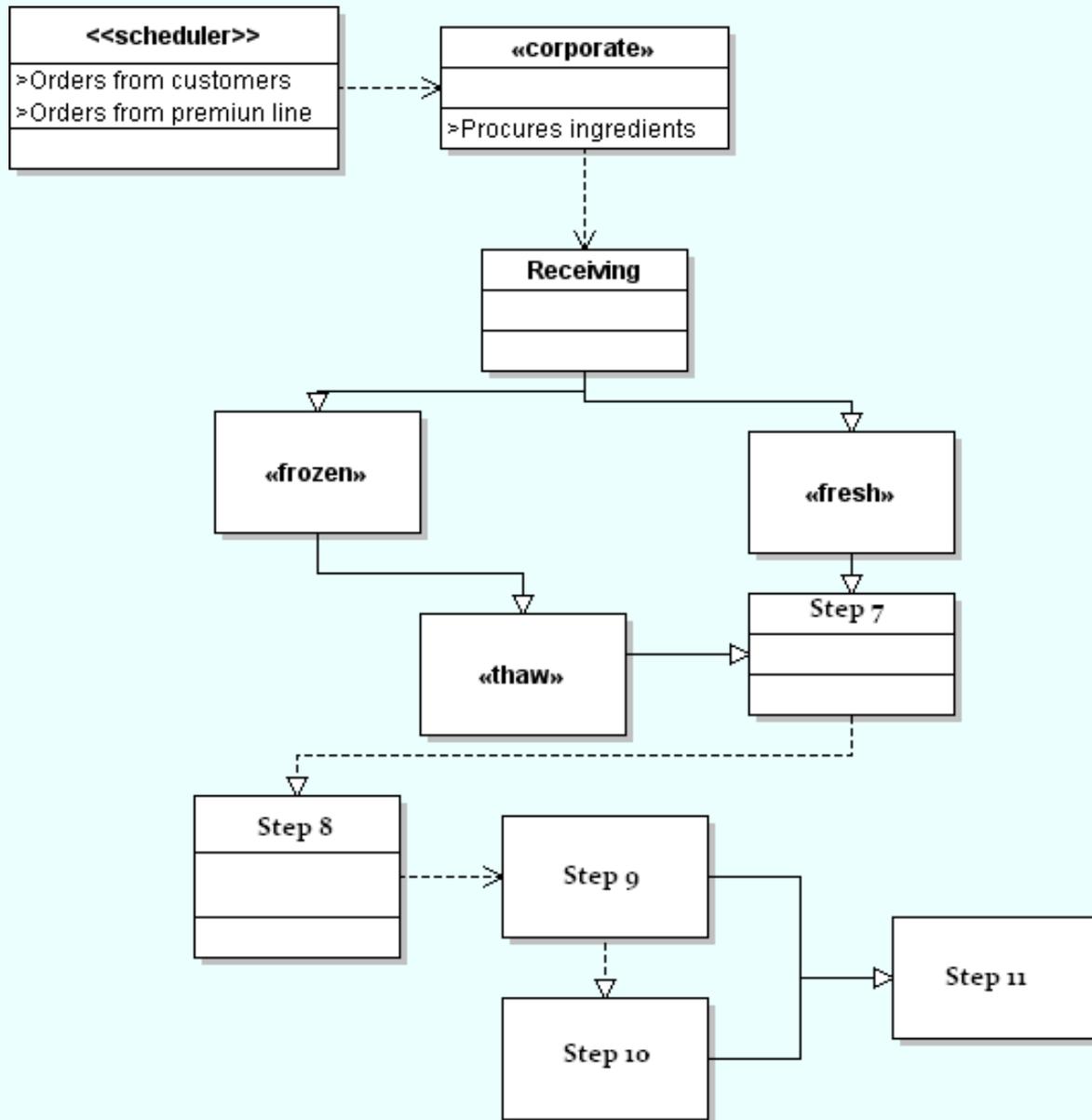
- Evaluation of formulation process
 - Equipment layout
 - Inputs/Outputs
 - Efficiency

 - Create viable solutions
 - process improvement
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Progress Toward Goals

- Six Sigma methodology
 - Process Map
- Visits
 - Facility tours
 - Staff interviews
- Correspondence
 - Questions
 - Suggestions





Major Obstacles Encountered

- **Obscure Floor Plan**
- **Confidentiality Agreement**
- **Inexperience in the industry**
- **Communication delays**
 - E-mails
 - Plant Location



Anticipated Challenges

- Inability to implement suggestions
 - Previously considered
 - Difficult to implement
 - Lack of space
 - Cost
 - Improvement verification
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Questions?

