

Puebla Competitiveness Report

(Work in Process)

Building Fixtures, Equipment and Services (Metal Manufacturing)



- Cruz Mario
- Méndez J. Luis
- Pintor Angel
- Severiano David
- Nuño Pablo
- Santillana José Antonio
- Solis Evelyn
- Fernández Carlos
- Bojalil Arturo
- Nyrup Jack
- Heredia Margarita

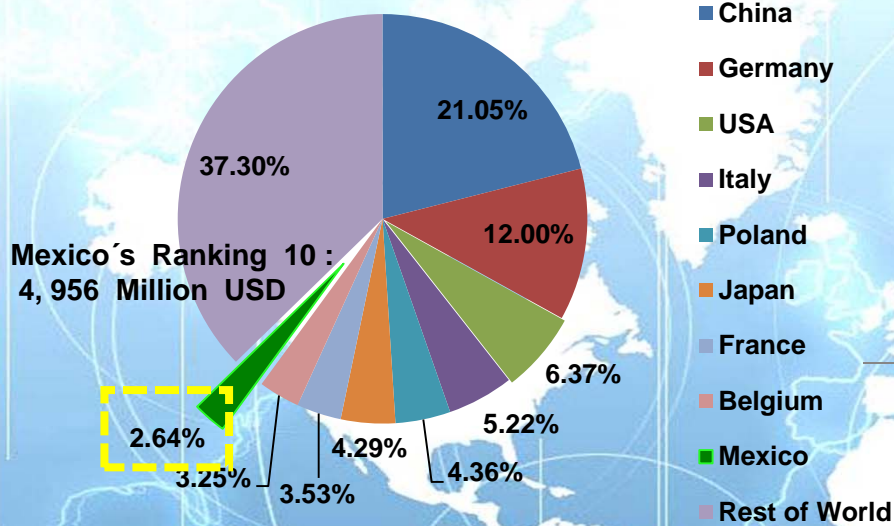
CONTENTS

1. World Cluster Status
2. Relevant Cluster Charts
3. Cluster Diamond
4. Value Chain
5. Cluster Map
6. Synthesis of Current Situation
7. Strategy: Cluster Value Proposition
8. Relevant Project Priorities

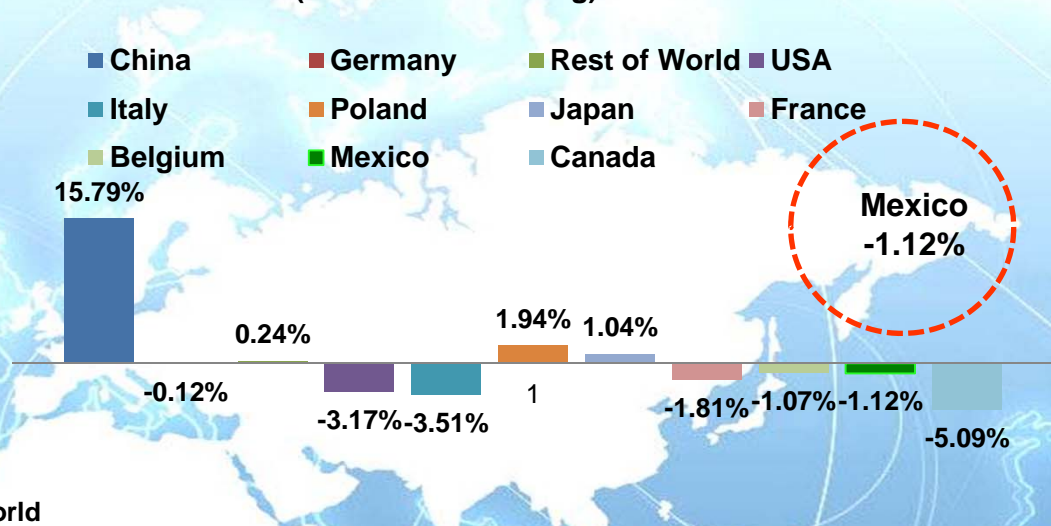
1. World Cluster Status

Building Fixtures, Equipment and Services (Metal Manufacturing)

Export Value by Nation, 2010
Building Fixtures, Equipment and Services (Metal Manufacturing) Cluster



Export Performance by Nation, 2000-2010
Building Fixtures, Equipment and Services (Metal Manufacturing) Cluster



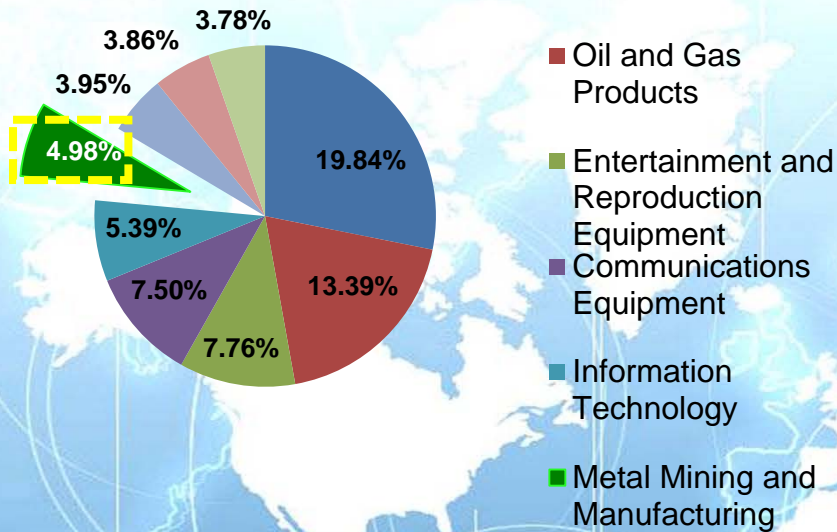
Bilateral Trade Mexico – China
Building Fixtures, Equipment and Services (Metal Manufacturing)
2010
Exports: 12%
Imports: 35.80%
Balance: -36.70%

Source: Own creation, based on Harvard and INEGI databases

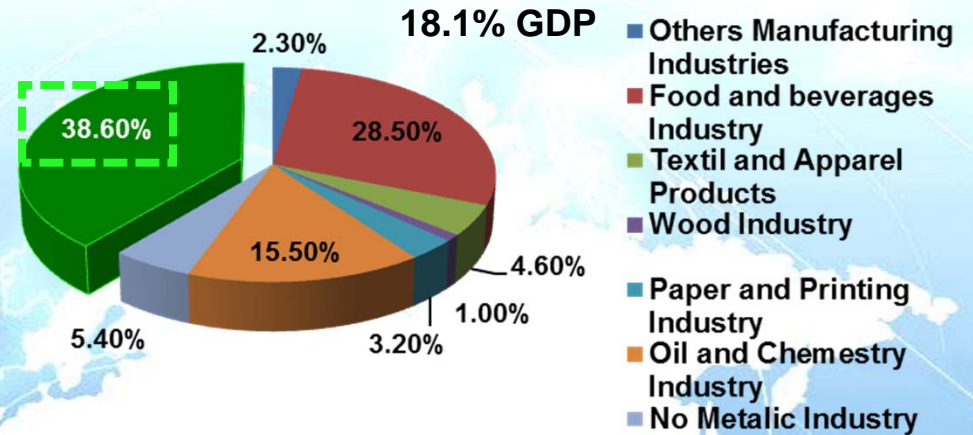


2. Relevant Cluster Charts

Exports by Cluster, 2010 Mexico



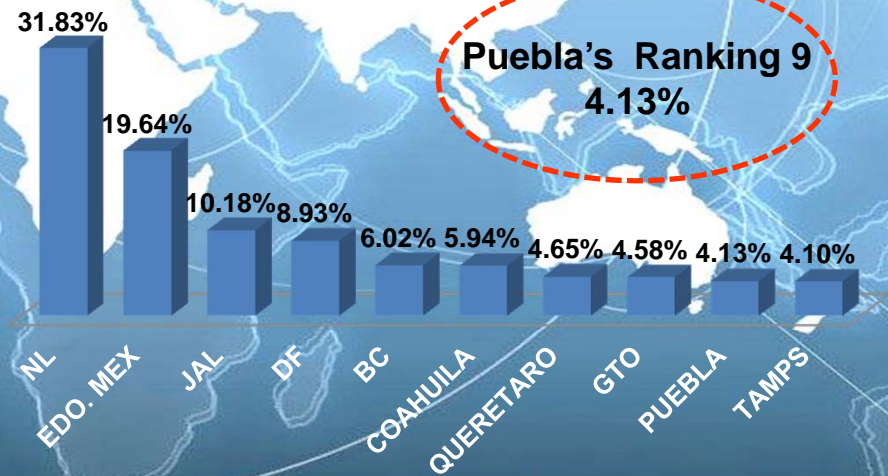
Building Fixtures, Equipment and Services (Metal Manufacturing) Sector Contribution GDP (Mexico)



FDI's Building Fixtures, Equipment and Services (Metal Manufacturing) in Mexico (M USD)

2009	268
2010	448
2011	497

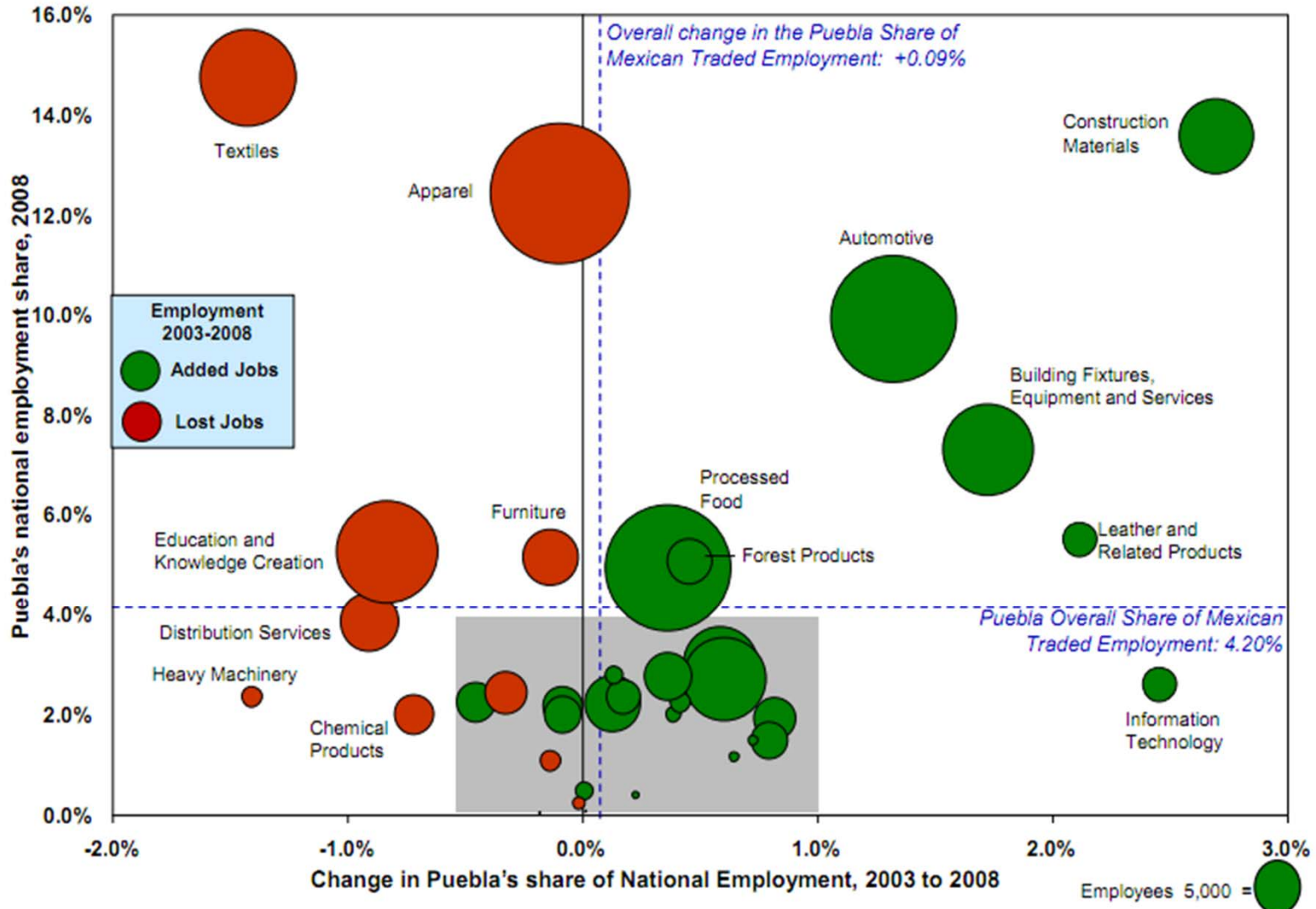
National Contribution by State



Source: Based on Harvard, Word Trade Atlas and INEGI databases

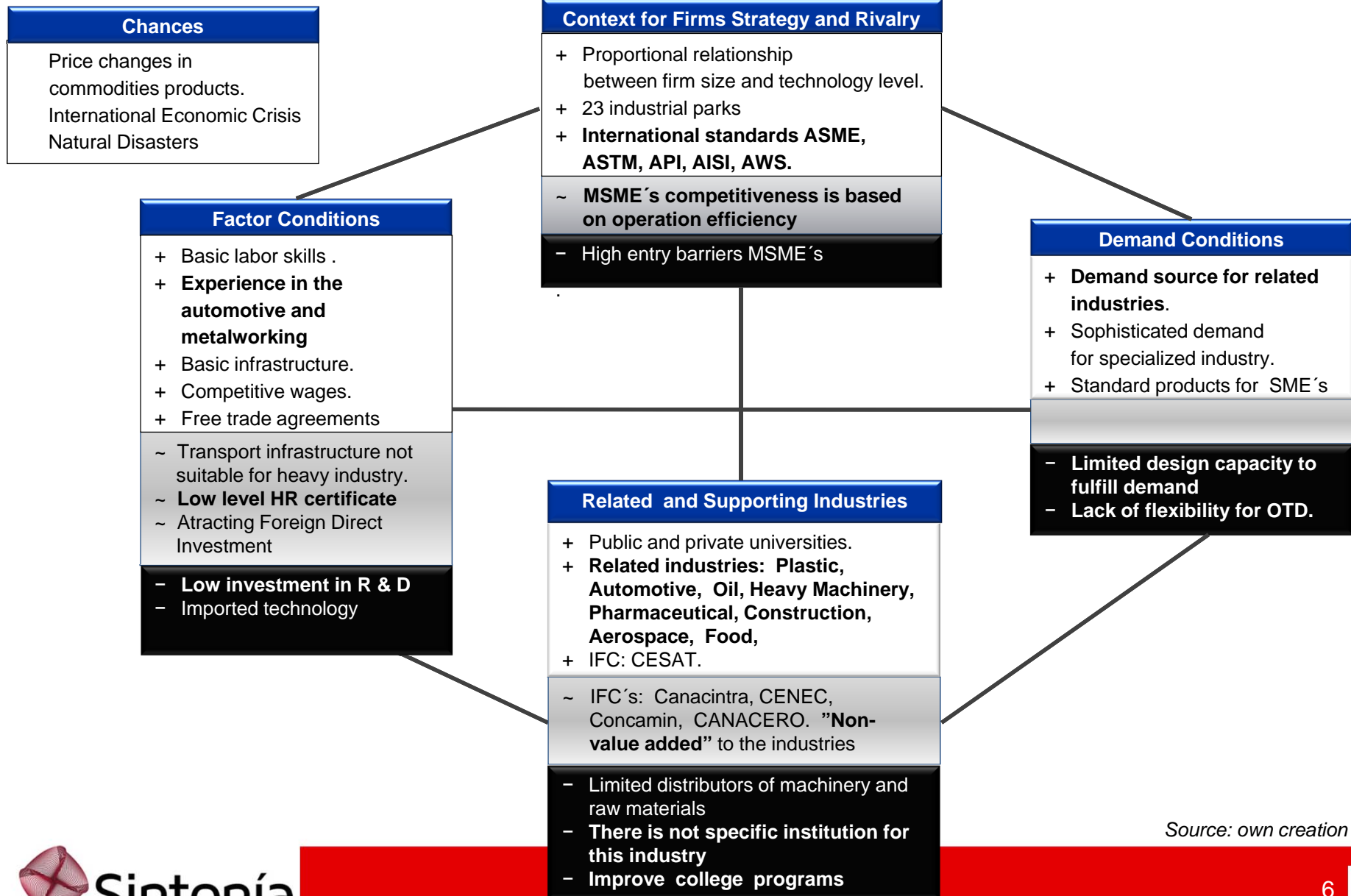


2.1 Traded Clúster Composition of the Puebla Economy



Source: Prof. Michael E. Porter, Cluster Mapping Project, Institute for Strategy and Competitiveness, Harvard Business School; Richard Bryden, Project Director. Contributions by Prof. Niels

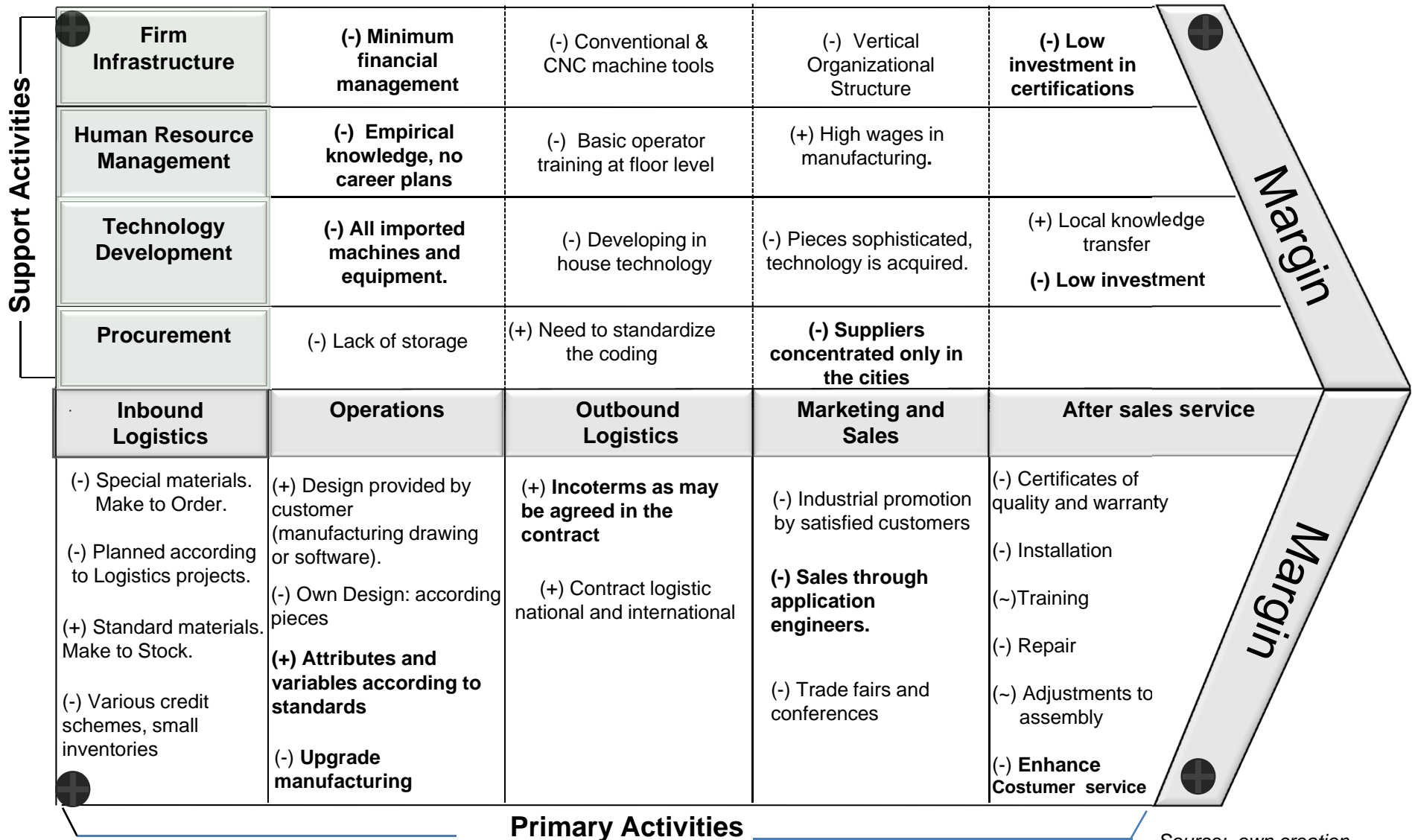
3. Cluster Diamond



Source: own creation



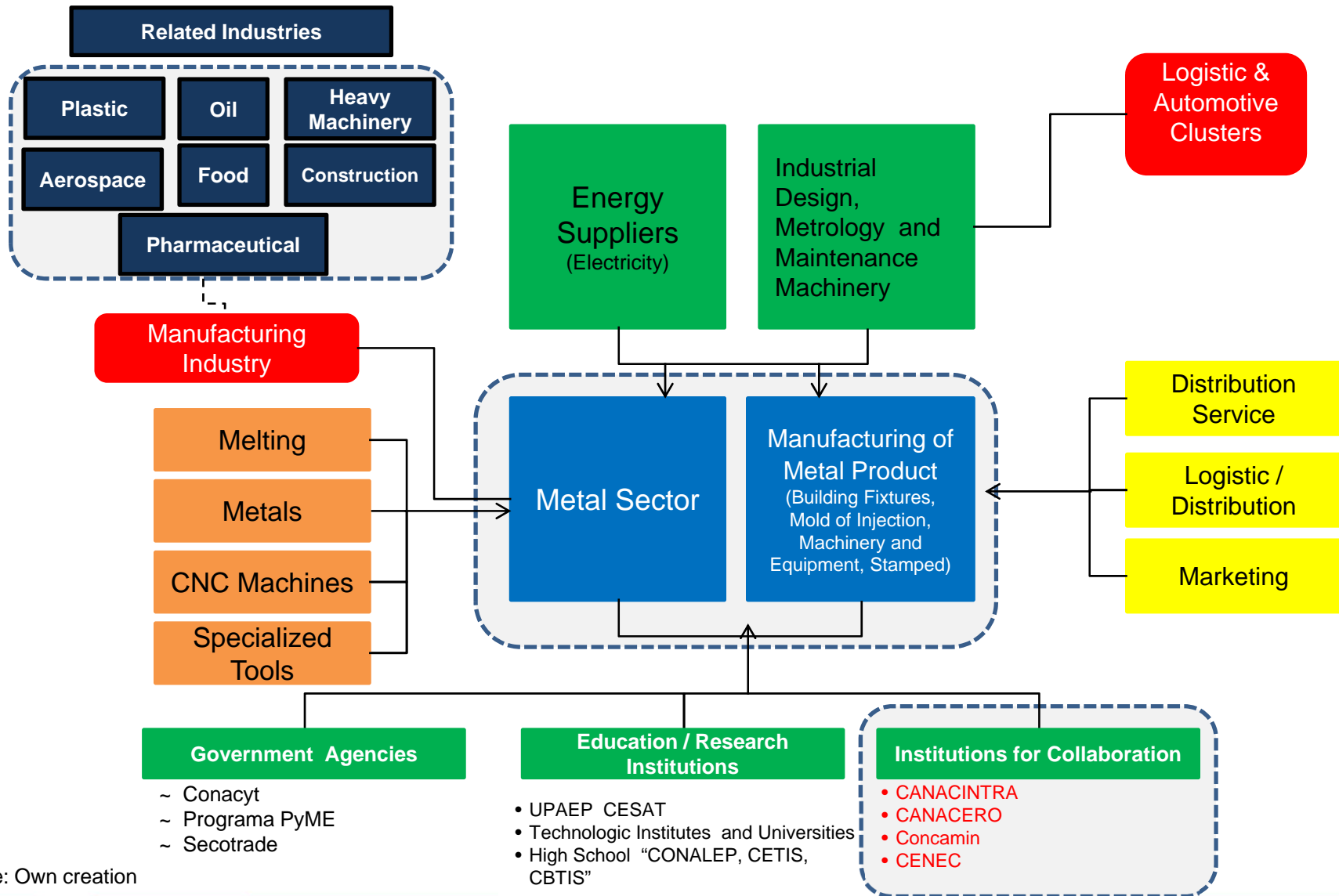
4. Value Chain



Source: own creation



5.Cluster Map



Source: Own creation



6. Synthesis of Current Situation

- **(+) The transformation activity adds value to the manufacturing industry**
- **(+) The metalworking has the advantage to provide products for different sectors**
- (+) Puebla has the know-how to become a main cluster
- Lack of sophisticated products
- Small Family Business (MSME's) strategically not associated
- Financial barriers to high technologies
- **(-) *Low interaction among Firms, Universities, Government and Lack of Marketing***
- **(-) *There are no specialized IFC's***
- (-) Specialized Infrastructure Support



Source: Own creation



7. Strategy: Cluster Value Proposition

- To create **Multi Operational Skills** that allow the *Development* and *Manufacturing of sophisticated mechanical parts*
- *To align the actual* metal manufacturing industry focusing on “sophisticated **Design and Quality** based on international standards”
- To develop **Close Relationship** with related industries:
Plastic, Automotive, Heavy Machinery, Oil, Food, Construction, Aerospace, Pharmaceutical through sustainable development
- **Social Benefits** involving Universities, IFC’s and Government to pursuit shared value

Puebla is synonymous of high quality and experience in manufacturing metalworking companies for both, domestic and international markets

VISION :

Interaction among Design + Upgrade Manufacturing + Quality

Source: Own creation



8. Relevant Project Priorities



**Research and Development
Metalworking Technological Center
(R&D MWTC)**

- To Promote Upgrade Design + Manufacturing.
- Collaborate with firms to develop competitive advantage strategies.

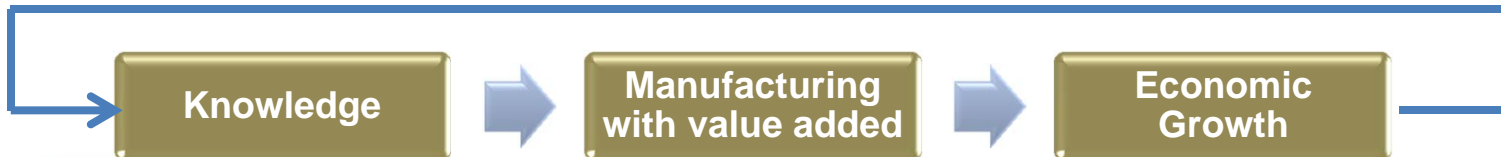


**High Tech Industrial Park
(HTIP)**

- Suitable Infrastructure to Advance Manufacturing.

Shared Value Project

Generate specialized knowledge to trigger economic growth, through the interaction of Government Universities, Firms & IFC's to create projects that enhance the QLL generating employments with value added and competitive wages.



Source:
Own creation

Thank you!

