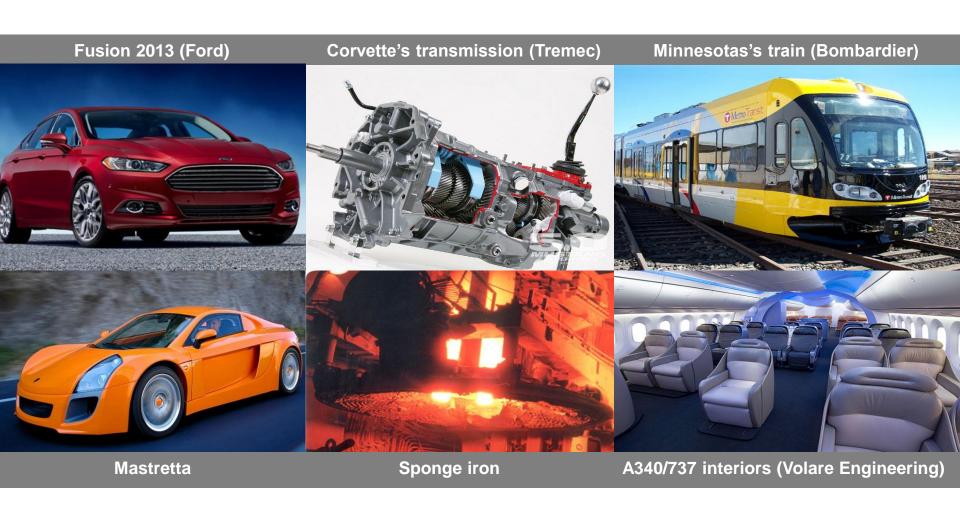


DESIGN, ENGINEERING AND ADVANCED MANUFACTURING IN MEXICO

August 30th, 2012

Where was this designed?

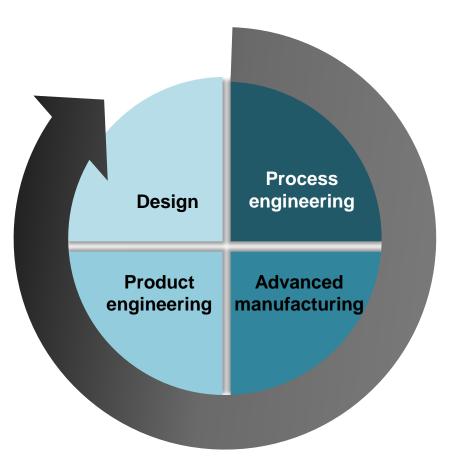


What is advanced manufacturing?

About Advanced Manufacturing

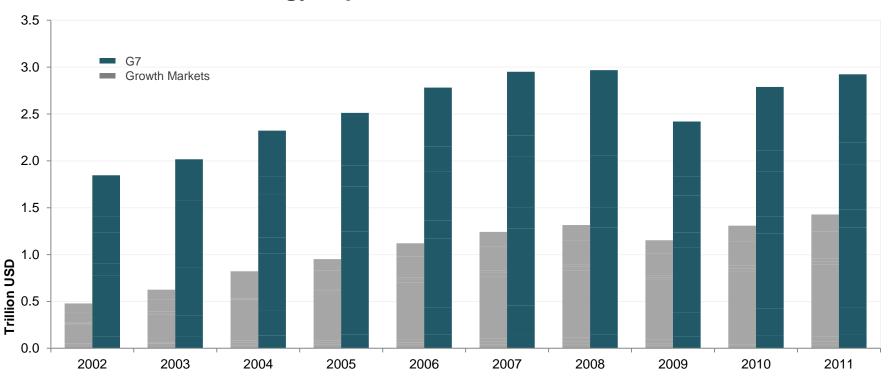
- Describes businesses which use a high level of design or engineering skills to produce technologically complex products and processes.
- Because of the specialized requirements involved, the associated goods and services tend to be of high value.

Mexico in the advanced manufacturing cycle



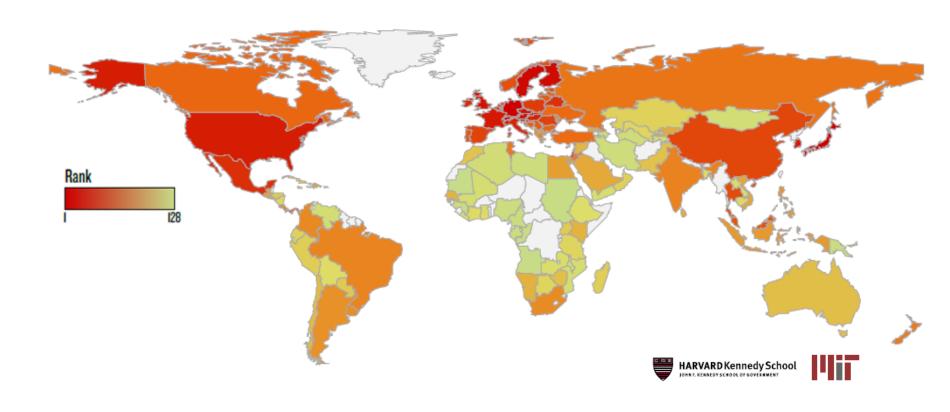
Evolution of technology exports

Technology exports of G7 vs. Growth Markets



- In 2002, technology exports from emerging markets were only ¼ of the G7's.
- By 2011, this figure has grown to half of the G7's.

A high degree of economic complexity



Mexico ranks in the top 20 of Harvard and MIT's Atlas of Economic Complexity

- Recognizes that our country holds vast amounts of productive knowledge.
- We manufacture and export a large number of sophisticated goods.

Mexico is among the leaders

Medium and HighTech Exports as a percentage of GDP (2011)

No.	Country	% GDP
1	Germany	28.2%
2	South Korea	27.2%
3	Mexico	19.3%
4	China	18.3%
5	France	13.1%
6	Canada	11.6%
7	Japan	10.6%
8	Italy	10.5%
9	United Kingdom	9.9%
10	Indonesia	7.0%
11	United States	5.5%
12	Turkey	5.2%
13	India	4.0%
14	Brazil	3.5%
15	Russia	3.0%

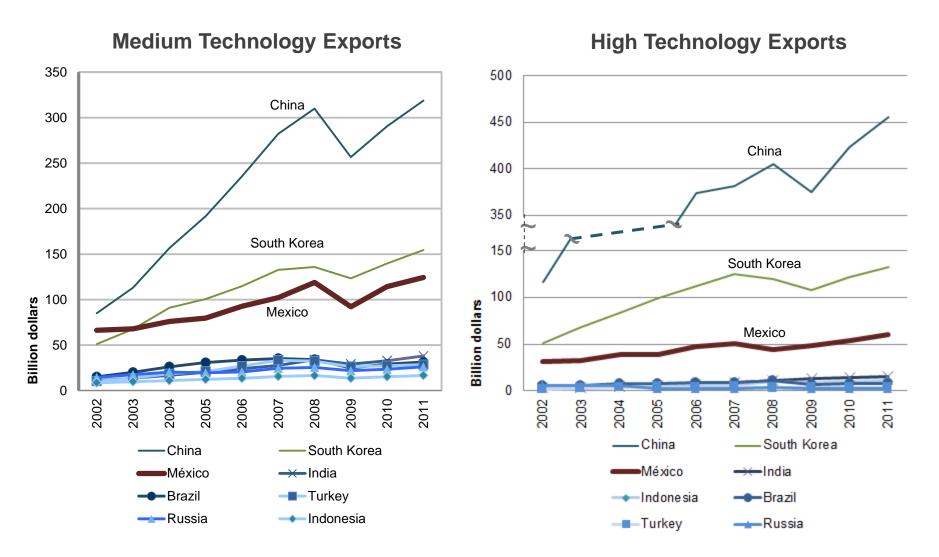
Medium Technology (MT):

- Specialty Chemicals
- Machinery, Equipment, Appliance
- Electrical Industrial Machinery
- Motor Vehicles & Parts Total
- Motorcycles & Transport. Equipment
- Railroads & Equipment

High Technology (HT):

- Aircraft & Spacecraft
- Advanced materials
- Computers & Office Machinery
- Communication Equipment
- Medical, Precision & Optical

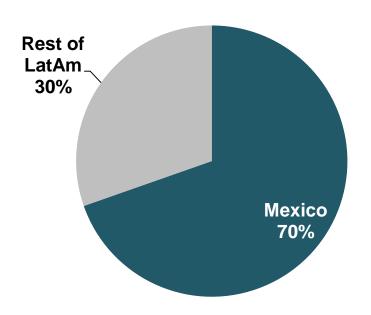
Manufacturing Trends of Growth Markets



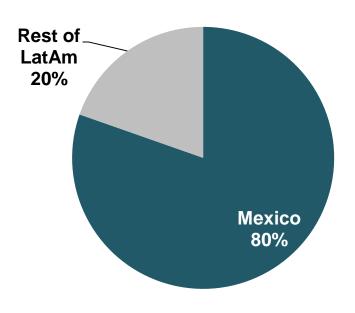
Mexico vs. LATAM

LATAM's tech Exports (2011)





High Tech Exports



Sectors with advanced manufacturing

AEROSPACE

- Exports by 4.3 billion dollars.
- 6th supplier of US aerospace industry.
- The number of aerospace companies grew 4x since 2005.
- Member of the Wassenaar Arrangement.



MEDICAL DEVICES

- Leading exporter in Latin America and main supplier to the US.
- 5th largest exporter of medical instruments globally.



Mexican Advanced
Manufacturing
Sectors



ELECTRIC-ELECTRONIC

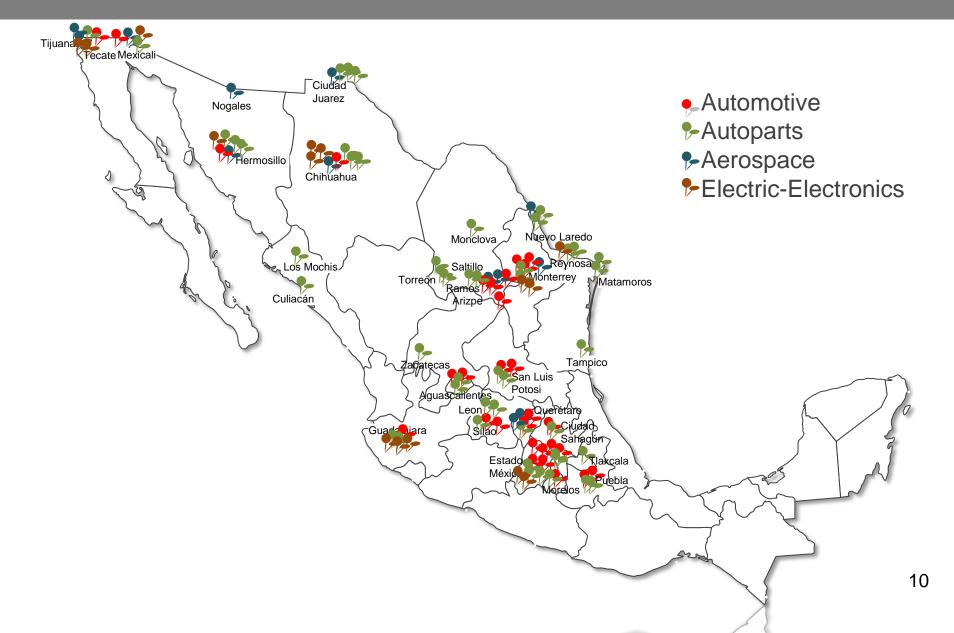
- Largest flat screen TV exporter in the world.
- First exporter of two-door refrigerators with freezer.
- 4th exporter of computers.
- World's 6th exporter of home appliances.



AUTOMOTIVE AND AUTOPARTS

- 8th vehicle producer and 5th exporter.
- Mexico's automotive exports (by value in USD) are 3 times larger than Brazil and India combined.
- 19 global OEMs already established.
- 84 of the top 100 autoparts companies already in Mexico.

Map of Mexico's Advanced Manufacturing



We are recognized globally

THE DAILY NEWS

www.dailynews.com

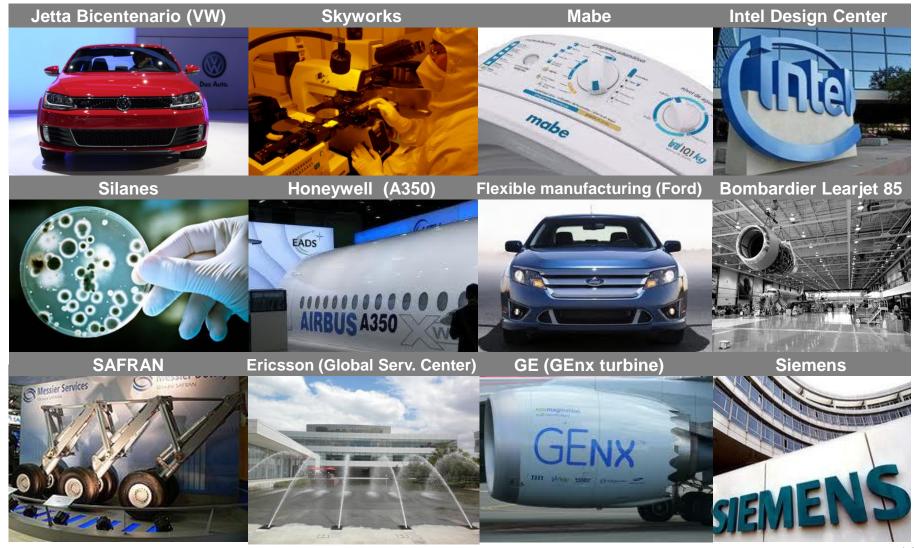
THE WORLD'S FAVOURITE NEWSPAPER

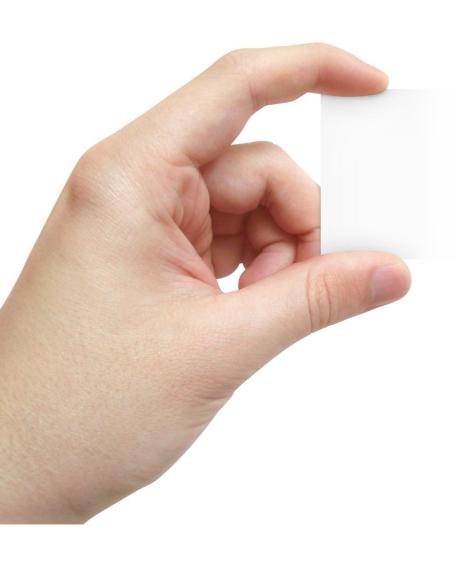
MEXICAN AEROSPACE INDUSTRY: BEYOND EXPRESSION



- The Japanese aerospace companies that visited Mexico in 2012 declared to be "most impressed by the capabilities of the Mexican aerospace industry". Mr. Kobayashi, Chairman of the Society of Aerospace Companies declares:
- "Seeing is believing. Specially, the productivity improvement based on automated manufacturing and lean production system were beyond my expression."
- "I foresaw that Mexican aerospace industry shall expand [...] through the skillful workers and engineers."

Mexico: an excellent business case for advanced manufacturing and more





Thank you!

Manuel Sandoval Ríos

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