

# The Automotive Industry in Mexico and the Challenges Facing a New NAFTA Age

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## The automotive industry in Mexico and the challenges facing a new NAFTA age

#### Subject:

- USA, Canadian & Mexican Automotive Industry from NAFTA Signature to Date
- 2) NAFTA Renegotiation 2018
- 3) Sceneries analysis



NAFTA/TLCAN/ALENA: Began January the 1st. 1994



Why these three countries signed a Free Trade Agreement?





Japanese Threat (manufacturing) Working Structure (Toyota Model) R&D



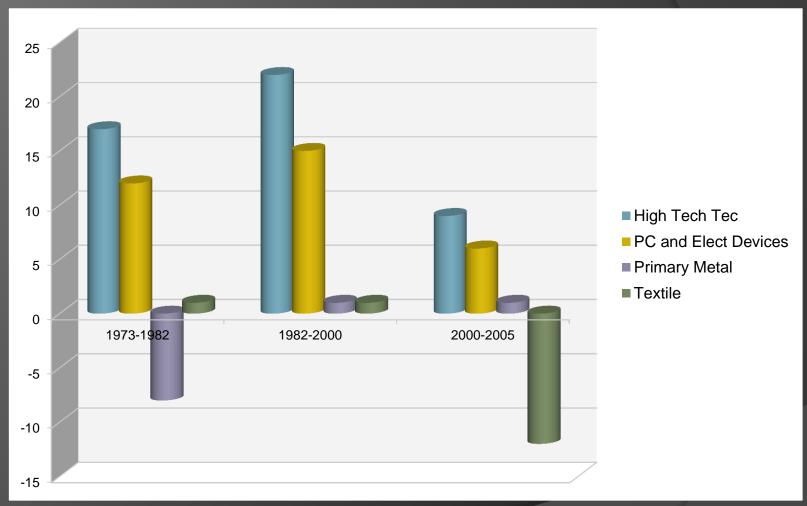
Union strength
High Wages cost
Manpower Unskilled



Asian giant's wake Intensive Manufacturing System of Government

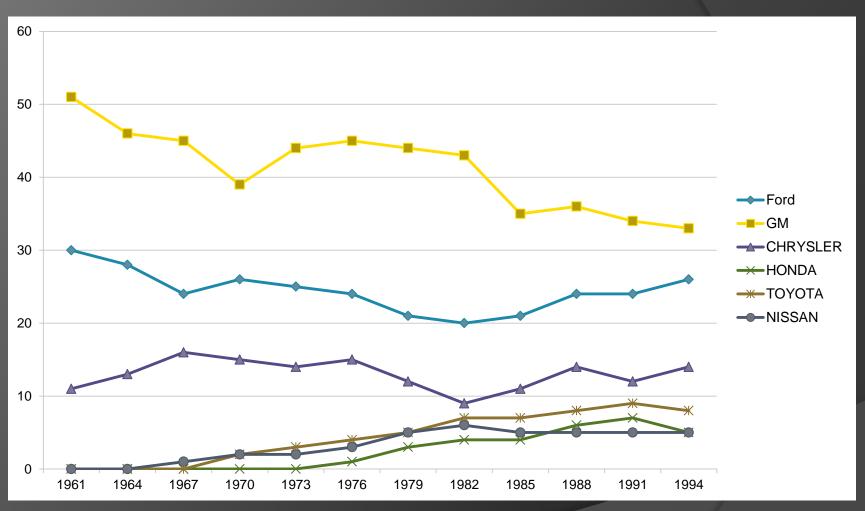
USA: Average Annual Growth (%)







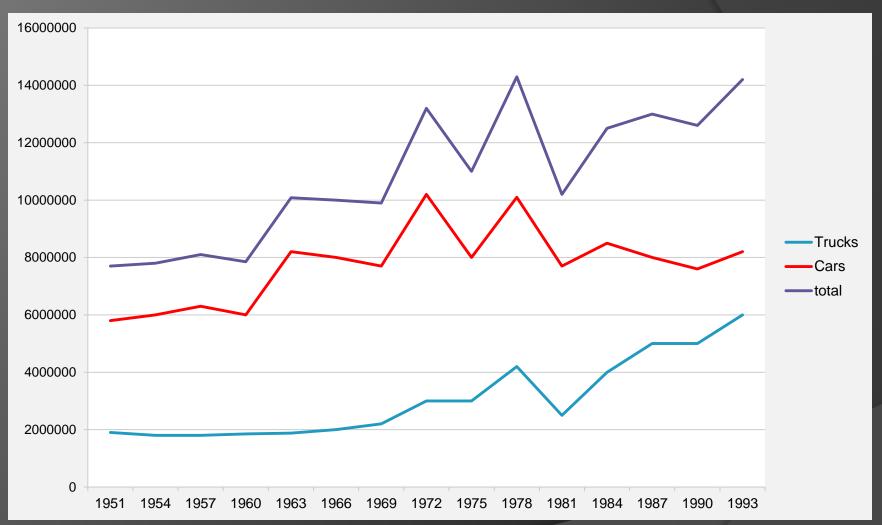
USA: Market Share Car Brands (%). 1951-1994



Source: Auto Wards & OICA 2010



USA: Cars and Trucks Production 1951-1994







National deficit Budget Manufacturing Taxation



High Wage Cost Union strength



Legal and Ecological Problems of the Industry Technology Transfer





Money Exchange (Peso's Devaluation)



External Public Debt increased



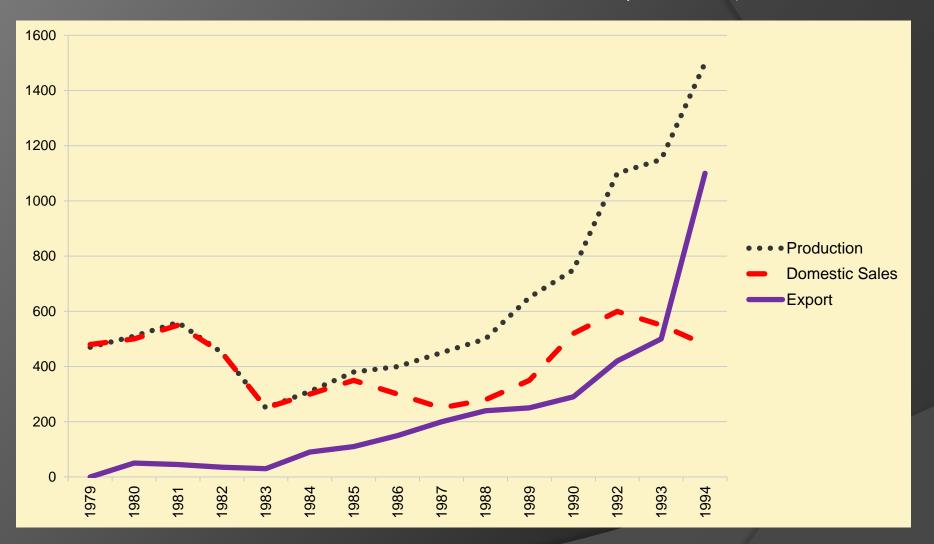
Trade Protectionism (Imported Substitution)

Mexico: Public External Debt as GDP %



Source: NAFINSA (!1988)

Mexico: Cars Production 1979-1994 (Thousands)

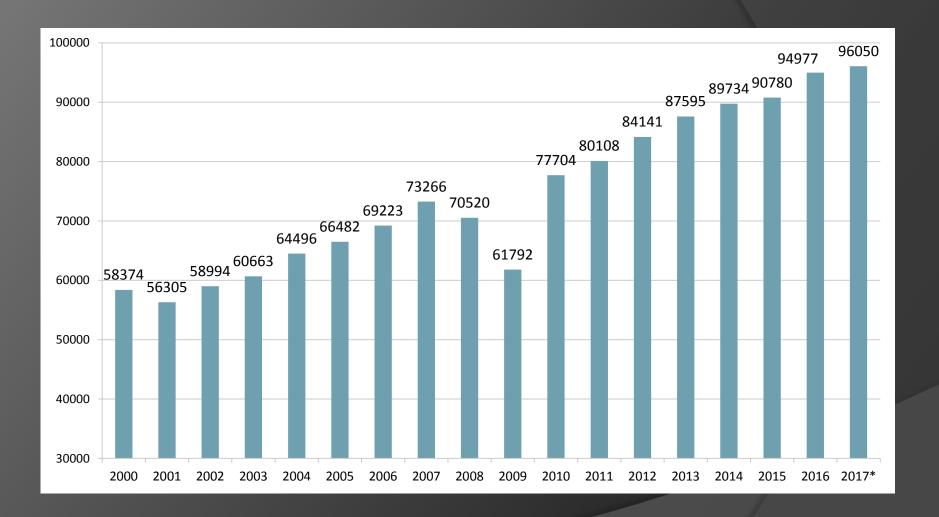


## **AUTOMOTIVE INDUSTRY**



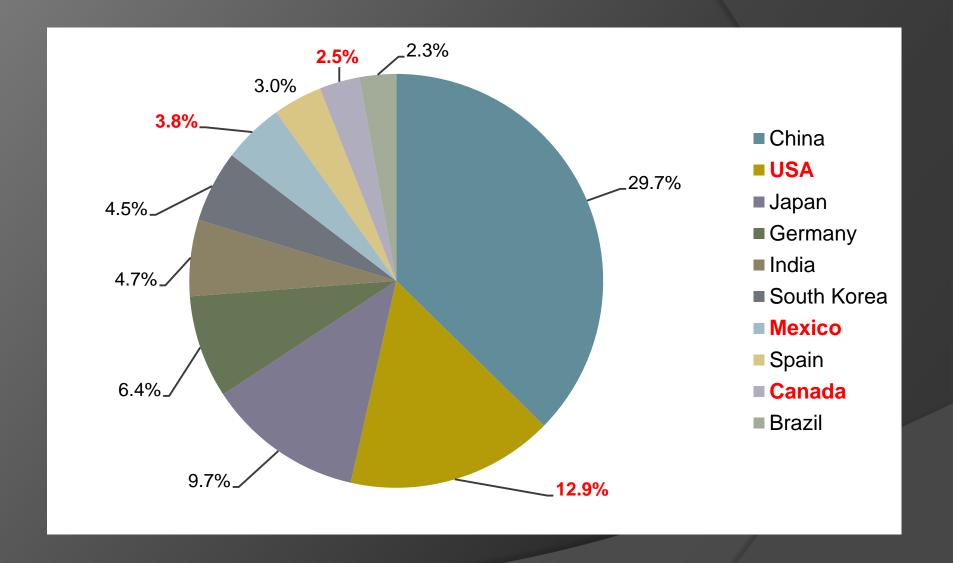
#### WORLD WIDE PRODUCTION

(INCLUDED CARS & COMMERCIAL VEHICLES)



Fuente: OICA. 2017

#### MAIN COUNTRIES PRODUCERS 2016-2017



Fuente: OICA 2017

## Index Cost: Auto Parts International Manufacturing (2011) (USA=100.0)

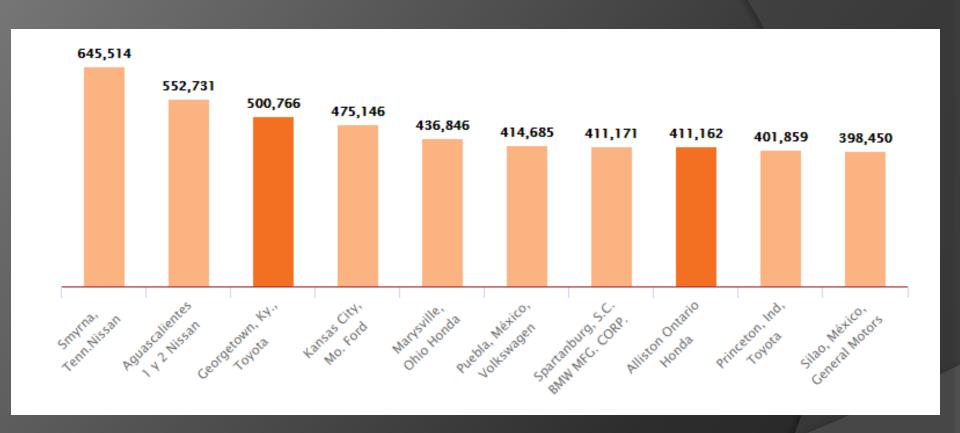


Source: KPMG. 2011

## NAFTA: 24 YEARS LATER

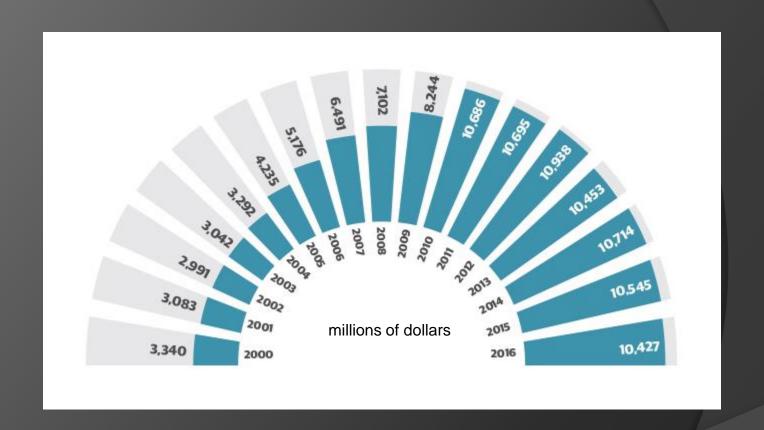


## TOP TEN NORTH AMERICAN MANUFACTURING FACILITIES 2016



Source: PROMEXICO 2016

#### NAFTA: AUTOMOTIVE SUPPLY CHAIN



#### MEXICO: MANUFACTURING CARS FACILITIES



#### MEXICO: COMMERCIAL VEHICLES FACILITIES



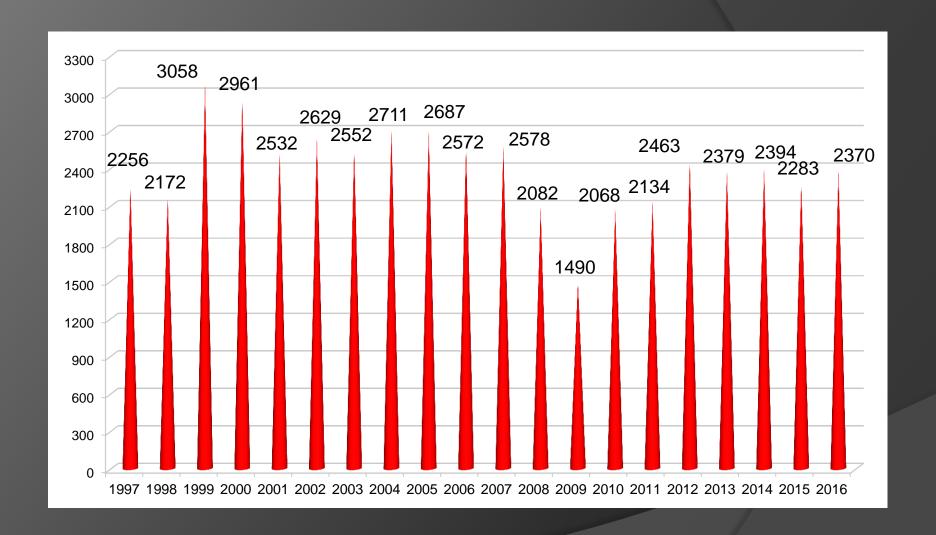
## MEXICO: AUTOMOTIVE R&D 30 DESIGN CENTERS



#### NAFTA: BUSINESS OPPORTUNITIES

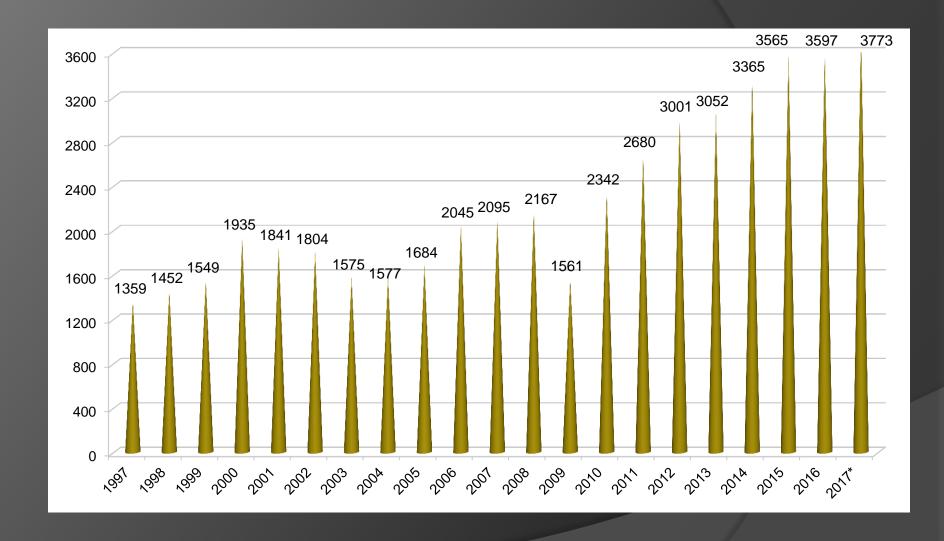
Major Components				
Transmissions	Injectors	Sensors		
Fuel Motors	Safety Systems	Dashboard		
Low Development Process				
extrusion	Die Casting	High Strength Steel		
Steel casting	External Plastic Chroming	"Body Parts"		
Lower Parts: Tier 1				
Pistons	Carter	Hoses		
Lowe Parts: Tier 2				
Plastic Injection	Stamping	Machining		

## CANADA: CARS AND COMMERCIAL VEHICLES PRODUCTION (THOUSANDS)

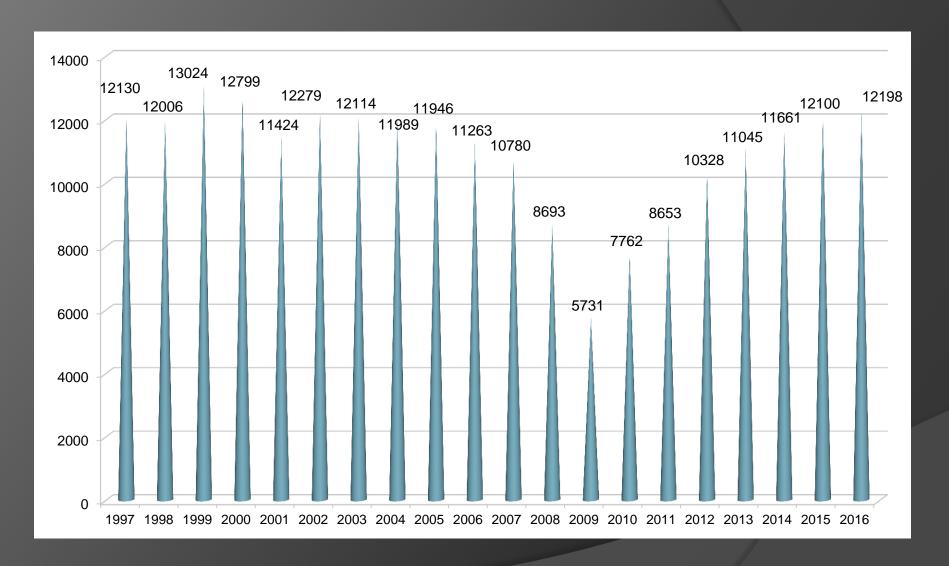


#### MEXICO: CARS AND COMMERCIAL VEHICLES PRODUCTION

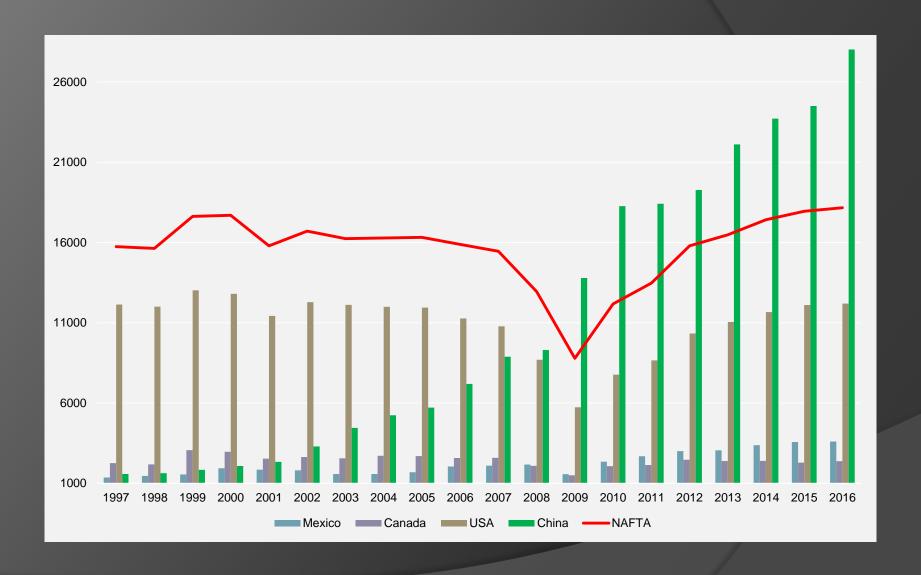
(THOUSANDS)



## USA: CARS AND COMMERCIAL VEHICLES PRODUCTION (THOUSANDS)



#### NAFTA: 1997-2017 PRODUCTION & CHINA

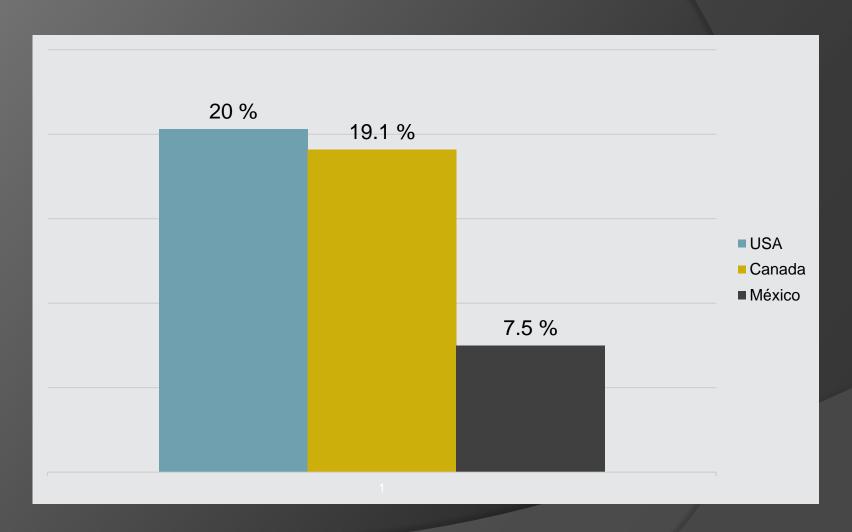


## World Wide Automobile Volume Production Placed Comparison: 2000-2016

COUNTRY	2000 PLACED	2016 PLACED
USA	1 <sup>ST</sup> .	2 <sup>nd</sup> .
JAPAN	3 <sup>RD</sup> .	3 <sup>rd</sup> .
CANADA	5 <sup>TH</sup> .	11 <sup>TH</sup> .
CHINA	8 <sup>TH</sup> .	1 <sup>ST</sup> .
MEXICO	9 <sup>TH</sup> .	7 <sup>TH</sup> .
BRASIL	12 <sup>TH</sup> .	10 <sup>TH</sup> .
INDIA	14 <sup>TH</sup> .	5 <sup>TH</sup> .

Source: AMIA 2017

#### LABOR COST AS % TOTAL COST



Source: KPMG 2013

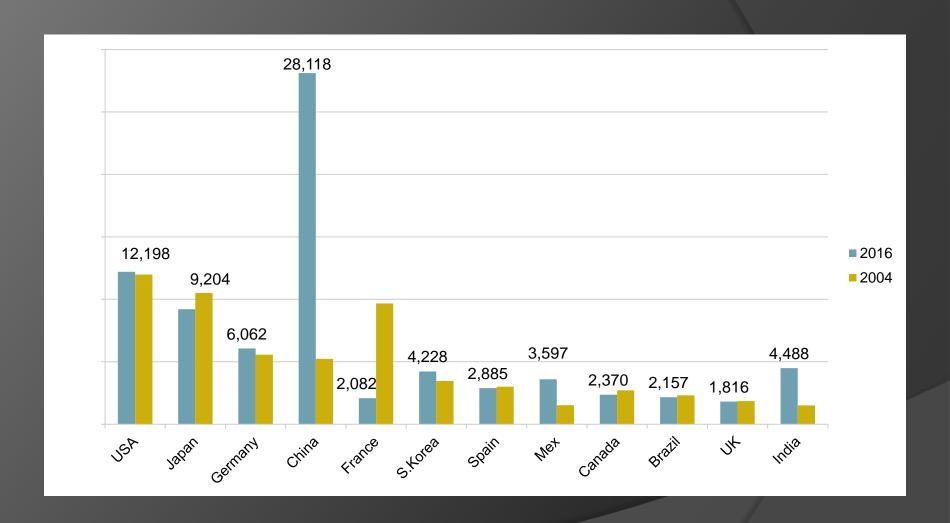
## NAFTA Renegotiation 2018



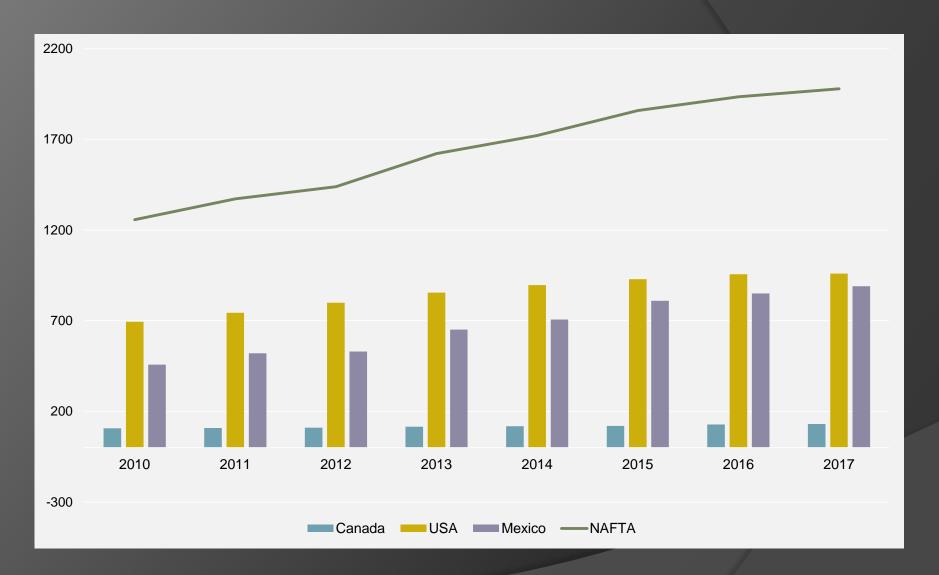
## NAFTA Renegotiation 2018



#### WORLD WIDE AUTOMOBILE VOLUME PRODUCTION: 2004-2016



#### NAFTA: AUTOMOTIVE INDUSTRY EMPLOYMENT



#### **USA: CAR TRADE**

Country	Import	Export
Mexico	57,400	3,683
Canada	44,634	27,878
Japan	40,388	550
Germany	20,634	5,752
S. Korea	15,732	1,531
UK	8,594	1,624
Italy	4,778	163
Sweden	2,026	132
Slovakia	1,996	2
China	1,610	10,071

#### NAFTA: RENEGOTIATION 2017-2018



Donald J. Trump 
@realDonaldTrump

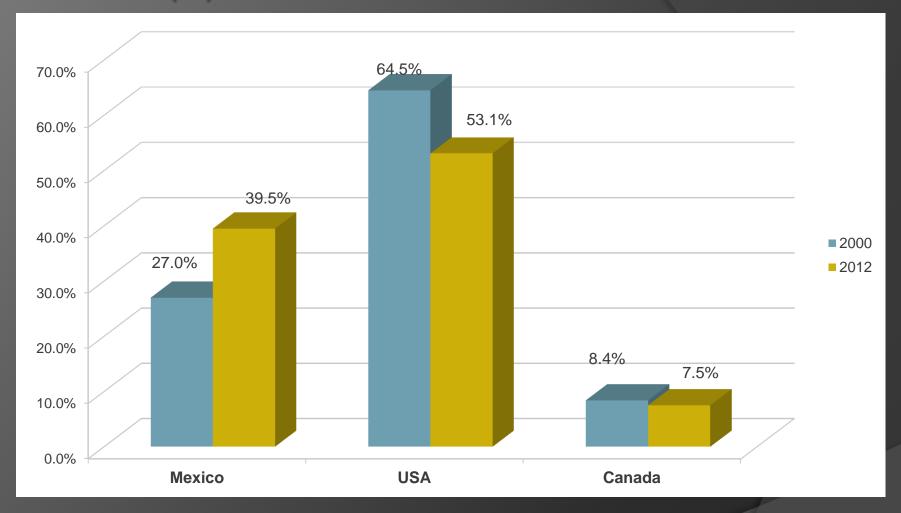


....The Wall will be paid for, directly or indirectly, or through longer term reimbursement, by Mexico, which has a ridiculous \$71 billion dollar trade surplus with the U.S. The \$20 billion dollar Wall is "peanuts" compared to what Mexico makes from the U.S. NAFTA is a bad joke!

5:25 AM - Jan 18, 2018



#### NAFTA: (%) AUTOMOTIVE INDUSTRY EMPLOYMENT



Country	2010-2012
Mexico	132K
USA	108K
Canada	2K

Generation of new jobs

Source: ILO & INEGI 2013

#### NAFTA: RENEGOTIATION 2017-2018

About 14 million U.S. jobs depend on trade with Canada and Mexico
Business: usd\$1.2 trillion a year
Under the current NAFTA, 62.5% of the parts in a car sold in North America
must come from the region. And with 50% required from the United States
It doesn't matter if the parts come from Canada, Mexico or the United States.
They just need to be sourced from within the continent
Trump's trade team wants to raise that threshold up to 85%
The caveat: Trump's negotiators are proposing that half of auto parts sourced
from North America come specifically from the United States. The rest would
go to Mexico and Canada.
Sunset Clause: Mexico's answer: that a U.Sspecific rule would be
unacceptable.
Canada's answer: "extreme proposals" that "we simply cannot agree to."
Canada's proposal: including the Software Development as part of the 85%.

Source: REFORMA/CNN/BLOOMBERG 2017-2018

#### NAFTA2018: SCENARIOS

## 1

#### What if.....

About 14 million American jobs depend on trade with Mexico and Canada
☐ Killing NAFTA would cost 300,000 American jobs
☐ Killing NAFTA would cost 500,000 Mexican jobs
☐ Killing NAFTA would cost 100,000 Canadian jobs
$\square$ U.S. economic growth would be slower in 2019 - 1.5% (today is around 2.5%)
☐ Business investment growth would also slow
■ Mexican peso would drop 8%
☐ Canadian dollar would decline 2.5%
☐ The ending NAFTA would push more Mexicans to seek work illegally in the
United States
☐ Pick Up would pay 25% taxation tariff to United States

Source: REFORMA/CNN/BLOOMBERG 2017-2018

#### NAFTA2018: SCENARIOS

#### What if.....



- ☐ Mexico can export vehicles within 2%-3% taxation tariff
- □ Due Mexico is 40% cheaper than the United States, the plants would continue in Mexico
- ☐ The Mexican Wage is 12 times cheaper, therefore the plants would remain in Mexico
- ☐ The Mexican Manpower is considered as High Standard
- ☐ The US and Canada plants would be competitive too
- ☐ Pick Up would pay 25% taxation tariff to United States

Source: REFORMA/CNN/BLOOMBERG 2017-2018



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## **MUCHAS GRACIAS!**

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