## 2015 Automotive Industry Outlook and Strategic Insight

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A Joint Presentation with
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F R O S T or S U L L I V A N

## Today's Presenters



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## Focus Points of Our Presentation Today

1. Highlights of 2014
2. Key Predictions and Top Trends for 2015
3. Disruptive Trends Influencing the Market
4. US Market 2014 Performance and Outlook - Aziz Ucmakli
5. Discussion

## POLL QUESTION 1

In 2014, the market grew to 87 million. Where do you think the market will finish at the end of 2015?
A. 85 million

What Do You Think
B. 87 million
c. 90 million
D. 93 million
E. 95 million


## Key Highlights of 2014

1 Global Automotive Market hit 87 million units sales.

22 Major OEMs (Toyota and Volkswagen) crossed the 10 million mark in 2014.

2014 set a new record for recalls. Over $\mathbf{6 0 0}$ million vehicles were recalled in the US.

Clear strategy from non automotive players like Google, Apple and Alibaba in the connectivity, retailing and autonomous driving space.

2014 witnessed the entry of volume OEMs into the mobility space with comprehensive mobility offerings (eg.Ford), while existing premium OEMs expanded their footprint.

2014 saw appointment of women leaders (CXOs) within the automotive industry for instance, GM, Citroen etc. Women are also heavily influencing automotive purchases, over 50\% of license holders in North America are women.

## Top Predictions for 2015

Global automotive sales to hit 91.5 million. Sales to peak in 2015 as the average age of the car rises in US and Europe.

Mercedes Benz could overtake Audi and achieve the No. 2 position in the premium vehicle market.

2015 will see the expansion in capacity in North America and the advent of "brand less" factories.

Digital retailing of parts, service and sales of cars to accelerate. Online sales launched by OEMs including BMW, Renault and Volvo to compete with Daimler and Dacia.

Global policy makers to support legislation change and testing for putting autonomous cars on roads.

New frontier for automotive growth to emerge - Stan and Jan and Africa.

## Top Trends for 2015



## POLL QUESTION 2

Which three trends in your opinion would have the greatest impact on the market in 2015 ?

## What Do You

A. Reshuffling in the luxury market - Daimler could become No. 2 overtaking Audi
B. The Plug-in Hybrid Electric Vehicle (PHEV) market to accelerate
c. The new Toyota Mirai fuel cell to be a path breaker like the Toyota Prius and rejuvenate Toyota brand
D. Health and wellness to be a key focus area for OEMs
E. Advanced semi-autonomous car features (Traffic jam assist) to hit the roads


## Global Automotive Production vs. Global GDP vs. Fuel Trends



Year
$\longmapsto$ Passenger cars - global production
GDP growth rate (1990 prices)

Crude Oil Prices (\$ value 2013) growth rate

## Global Light Vehicle Sales by Region in 2015-A Snapshot

Light Vehicle Sales, Global, 2014 and 2015


# Global Light Vehicle Production by OEM in 2015-A Snapshot (Excludes McV and HCV) 

Light Vehicle Production by OEM, Global, 2014 and 2015


[^0]
## 2015 will be the litmus test that determines the success of the new Trifecta proposition that merges three distinct segments



Evolution of New Segments


Sedan (Sports) + Minivan + SUV


Tesla Model X

Hatchback + Sedan + SUV


Volvo S60 Cross Country

## Ultra Premium Brands Coming into the SUV segment launching in new segments to expand their customer base.


$\qquad$


Bentley Bentayga


Lamborghini Urus


2017


Rolls Royce SUV


Increased synergies from platforms sharing between premium SUVs with their high end luxury segment counterparts


Bentley Falcon
Audi Q8 Case Study

- Paves way for Bentley Falcon.
- Shares platform with Lamborghini Urus, Porsche Cayenne III and VW Touareg.

Source: Frost \& Sullivan; Images and logos are only for illustration

## Women will become a larger and more valuable consumer segment than men and 2015 will lead this shift

Women as Customers in the Car Industry - Driving License Holders by Gender, Global 2012


## Over 480,000 electric vehicles to be sold globally in 2015 with North America accounting for $36 \%$ of the market

## Total EV Market - Sales by Country, Global, 2014



Total EV Market: Percent Sales Breakdown by Region,
Global, 2014


Total EV Market: Percent Sales Breakdown by EV Type,
Global, 2014


## High proportion of diesel drivers in Europe are likely to switch to other fuel types: Findings from F\&S Customer Survey

Preferred Type of Powertrain for Next Vehicle- Trend 2010-2014


## Retail to move from a transactional to and experience based approach



Maximizes customer reach; complemented by digital showrooms, pop-up stores, and lifestyle stores.

Unified brand experience and positioning

Informative and experiential customer retail experience in a small space

## Unbundling of the Automotive Business Starts in 2014 The Multi-Channel Strategy for the Future

## Bundled (Single Location, One-stop-Shop)

Traditionally all automotive products and services were offered under one roof.


Unbundled (Multiple services, channels, aggregated online)

Distributors are expected to break up bundled operations to develop a variety of

| Online Stores | Warehouses | Online Insurance | On-the-air diagnostics | Emarketplace |
| :---: | :---: | :---: | :---: | :---: |
| Pop Up Stores | Lifestyle Stores | Rental \& Leasing | Service \& Maintenance | Mobility Solutions |
| Flagship Stores | Store in a Store | Pay-as-you drive | Heavy Repairs | Finance Options | specialized options.

# Digital Touchpoints of a New Customer Journey That OEMs will Implement in 2015 



## Key Connectivity Trends in 2015



## Key Conclusions

Global sales are expected to grow by over 5 percent to reach 91.5 million 1 vehicles. The US market is expected to reach 17 million and China to cross 26 million in sales.

2 The compact vehicle segment is expected to be the most attractive, accounting for over 31 percent share. New vehicle segments to evolve.

3 More than 50,000 cars are expected to be sold exclusively online which includes Daimler, Renault, BMW i brand, Dacia, Ford.

4 Aftermarket solutions will reach beyond insurance into the service and maintenance business.

5 OEM will take ownership of vehicle data from customers and move towards monetization of big data

## US Market 2014 Performance and Outlook

Aziz Ucmakli, Lead Principal, Honda R\&D Americas, Inc.

February 2015


## US Automotive Market Continues to Recover and Return to Pre-crash Levels



While some major global regions witnessed economic headwinds (resulting in stagnant auto sales growth), US was able to maintain robust sales in 2014 - enough to propel sales to pre-crash levels, thus contributing to the marginal global sales growth


## Factors Driving US Economic Recovery

US economy finally appeared to get in to high(er) gear in 2014:

Moderate \& sustainable GDP
Accommodative Fed monetary policy
Top line inflation remained in check Generally positive corporate balance sheets

Lower fuel costs = 'tax cut'
Rising stock markets (wealth creation)
Homebuilding \& housing price recovery (wealth creation)
Declining un-employment

However, lingering issues remain in 2015 and beyond

Long term unemployed/ underemployed
High state and federal debt levels
Income growth stagnation
Aging population
Stagnant workforce growth
Political gridlock on taxes and entitlement programs

American consumer confidence reached
11-year high in January given strengthening labor market \& declining fuel prices

## 98.1

U.Mich. Consumer Confidence Index Jan '15

Economic growth \& consumer confidence has not gone unnoticed by OEMs with new products and model refresh/ upgrades.

OEMs have been investing in US market and reaffirming their commitment over the past few years

## US economy recovery fueled by the automotive market (or does the automotive market recovery fuel the US economic recovery?)

2014: 'Sweet Spot' in the Automotive Market Cycle


US fleet average age remained (11.4 yrs) Pent-up demand reduced but still strong factor

Transactions prices remain firm Auto credit availability improved Inventory (production) remained in balance Incentive activity remained fairly under control Used car market prices remained firm


## Macro Segment Market Performance: CUV/SUV Showing Continued Strength



## Takeaways from 2014/ <br> Influence on 2015 sales:

1. Continued high demand for CUV
2. Generation $Y$ makes its size/ presence felt as it continues to enter to market in ever growing numbers.
3. Strong demand for luxury brands (especially German makes), including new lower priced entry models (CLA, A3) as well as range toping high end models (S-class, RR).
4. Technology (connectivity/ infotainment/ safety) is front and center in the market.

How can these factors sustain US market in the coming year(s)? source: Honda R\&D Americas, Inc.

## Consumers continue to turn to LDT products, especially within the CUV Segments

2014: CUV sales challenge traditional sedans in terms of popularity. Sedans are not 'unpopular' - instead CUV products have improved (and more nameplates are offered)

## Mainstream Body Style Sales: 2014*



Improving economy and falling fuel prices motivated consumers to purchase higher-margin and more functional LDT, especially in the CUV segments

- Entry CUV market (Csegment Honda CRV, Ford Escape) products offer right combination of size/ maneuverability, function, price and fuel economy.
- Entry CUVs perform similar to passenger cars in terms of ride \& handling, plus they offer higher positioning, AWD option and have improved fuel economy, in addition to more room for seating and cargo
- New growth segment: Bsegment CUV (Honda HRV)



## What factors would allow US automotive market to sustain, and possibly challenge the expected peak of 17/18M in the coming years?

Generational factors support long term sustainability of US automotive market - Although slow to enter automotive market, Gen Y impact is starting to be felt as they represent $1 / 4$ of US population


Convergence of several factors is helping to bring more Gen Y to the market place.

## Gen Y shows great potential for future new vehicle sales as life stage factors and improving economic conditions converge

As the US economy fell into the 'great Recession' in '08/'09, Gen Y's reluctance to show interest in the automotive market was attributed to the belief Generation Y was disinterested in owning \& driving cars.


Millennial malarkey: The myth that a generation hates cars


MTV Study Debunks 5 Myths About Millennial and Cars

"Generation Y like cars as much as any previous generation. They just haven't been able to afford them until now... they were just putting off (car buying) until they could afford them... being practical....As Gen Y consumers enter new life stages, earn higher incomes and grow their families, their ability and desire to acquire new vehicles is increasing."*

Convergence of demographic and economics factors to help Generation Y move into the automotive market


- 2014: Gen Y automotive shoppers (26\% of retail sales) overtakes Generation X (24\%)*
- Gen $Y$ is passionate about cars:70\% of Gen $Y$ enjoys driving vs.. 58\% Boomers \& 66\% Gen X*

Generation Y will enter their peak HH formation \& earning years by 2020 - as a result, shifting life stages requirements will precipitate new mobility needs -- as result, they are becoming the primary target for auto industry.

## Within the complex US income inequality story is the growth of the 'mass affluent'

Growth in affluent HHs sustaining demand for luxury vehicles along entire price range spectrum.



| 18 M |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |

"...(new) research suggests affluent Americans are more numerous than government data depict, encompassing 21\% of working-age adults for at least a year by the time they turn 60. " *
*Source: Washington University in St. Louis
Luxury Segments 2014 vs. 2010


## Connectivity Influencing Automotive Markets



Tech represented at CES is integral to the speed of change facing the automotive industry and societal expectations/needs

## Overview of the Upcoming 2015 Intelligent Mobility Workshop to be

 Held on $1^{\text {st }}$ and $2^{\text {nd }}$ Julyhtto://ww2,frost.com/event/calendar/urban-mobility-30-2015

$1^{\text {st }}$ day at the House of Lords/Common Day1: Structured debate \& Networking in the House of Commons



2 Day event Interactive workshop hosted by Frost \& Sullivan in collaboration with Industry Partners


Over 200 Senior executives, decision makers, Government stakeholders, Industry experts and thought leaders are expected to attend


Highly Informative Panel discussions, interactive sessions and knowledge sharing on Intelligent and Urban mobility trends and future vision.


Key networking opportunity with Industry and government stakeholders.

All of these are in line to discuss and understand key trends within the industry and bring together high profile industry experts from mobility- related functions across the globe.

## Next Steps



Growth Partnership Service Become a Growth Partner to develop your visionary and innovative skills


Events
Join our Board of Advisors to discuss your next project or training \& learning needs


Join our GIL Global Community Share your growth thought leadership and ideas

Growth Consulting http://ww2.frost.com/consulting/


GIL University
Arrange a GIL Workshop at your company

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[^0]:    Note: All figures are rounded; the base year is 2013. Sources: LMC Automotive, Frost \& Sullivan.

