



Satellite-Enabled Vehicle Multimedia Systems Current Status and Future Prospect

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ITU-T SG16 FG-VM, September 2019

Outline

- ❑ SUVs Market Status in China
- ❑ Satellite-Enabled Vehicle Multimedia Systems: Services
- ❑ Satellite-Enabled Vehicle Multimedia Systems: Solutions
- ❑ Future Prospects

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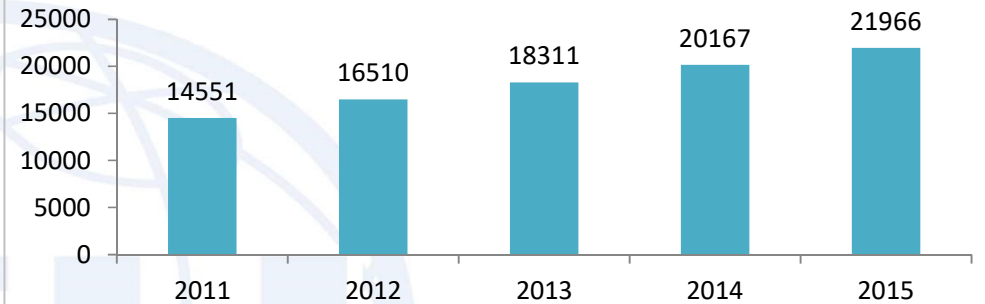
Consumption Upgrade is Creating Demands for Cross-Country Driving

2015年三次产业对GDP贡献率

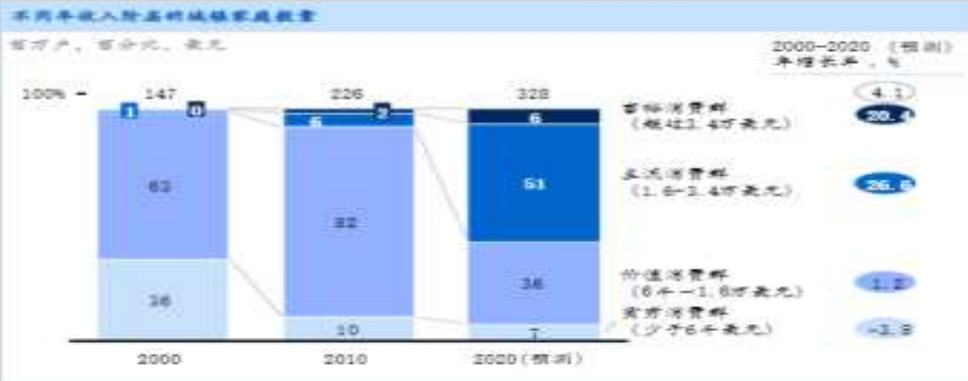


Tertiary sector accounts for greater than 50% of GDP

全国居民人均可支配收入



Disposal income per capita increases dramatically



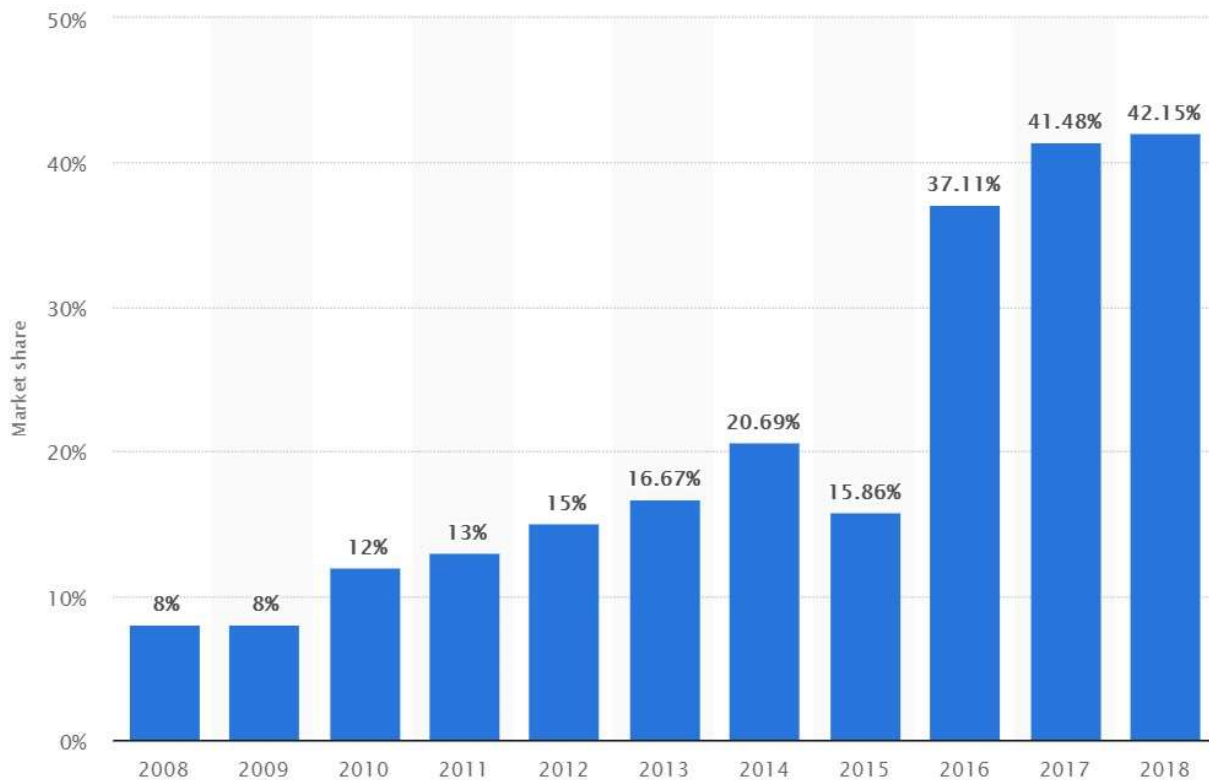
China's middle class is exploding



Cross-country driving becomes popular



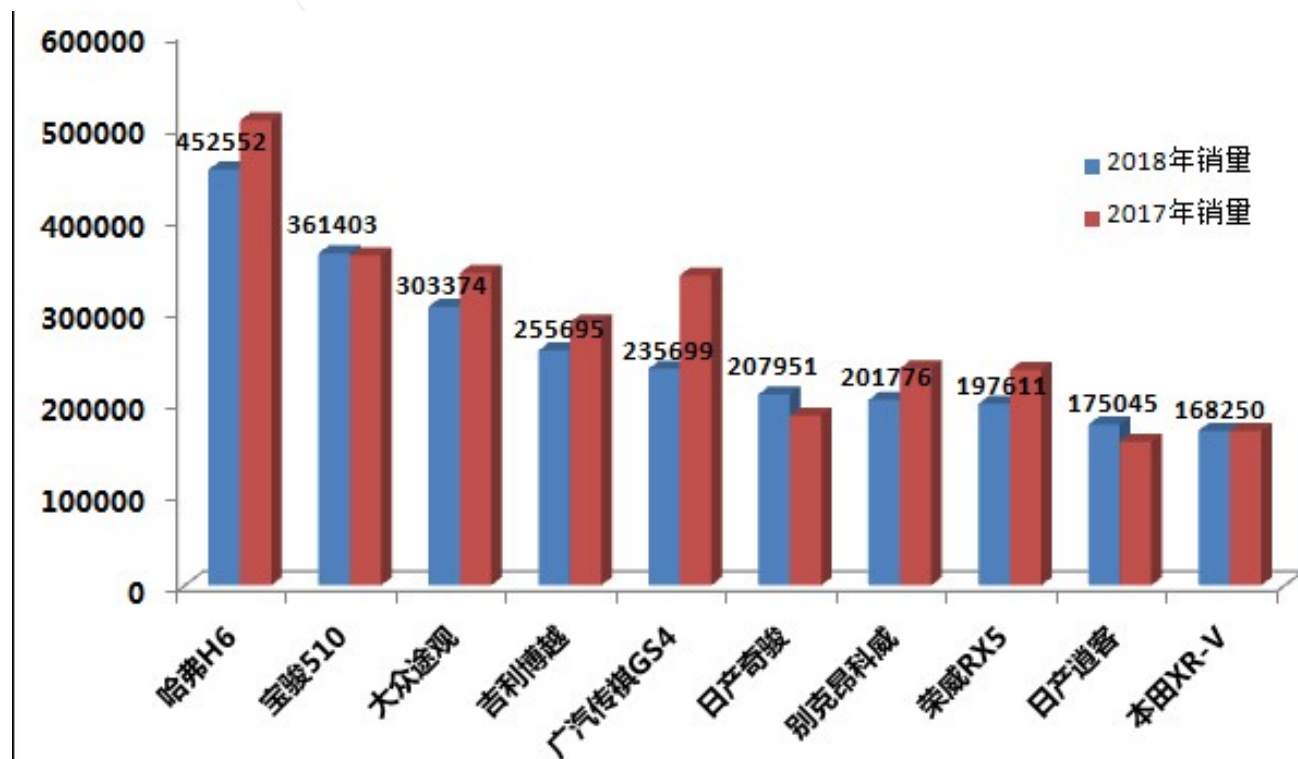
SUV Popularity Entrenched in China Passenger Vehicle Market



- In 2018, SUV sales accounted for 42% of the China passenger vehicle market.



Ten Best-Selling SUVs in China in 2018: Challenges



- Sales of the most popular SUV brands fell in 2018.
- Brings more intense competition in increasingly crowded SUV market.
- Innovations in in-vehicle infotainment (IVI) services could boost sales.



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Satellite-Enabled Vehicle Multimedia Systems: Services



Satellite Communications: Emergency Call (eCall) Service



Satellite Broadcast: Multimedia Services

TV / Radio

- HD Digital Radio Broadcast
- UHD/HD/SD Digital TV Broadcast

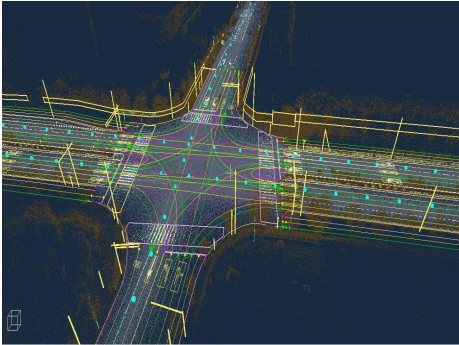
Internet Media

- Streaming or File Push for On-Line Movies, and etc.
- Data Offload for Internet Applications

Datacast

- Emergency Broadcast
- Remote Vehicle Updating Services
- HD Map Updates for Autonomous Driving and Driver Assistance

Satellite Navigation: High Precision Positioning Service



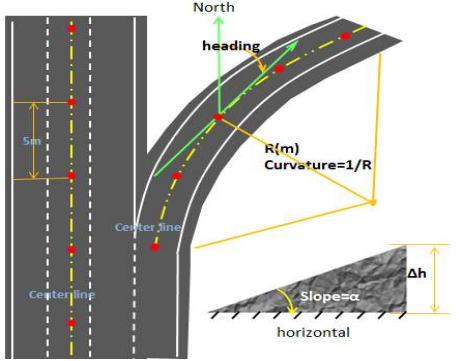
Autonomous Driving

Unmanned Aerial Vehicles



Driver Assistance

Unmanned Agriculture Machinery

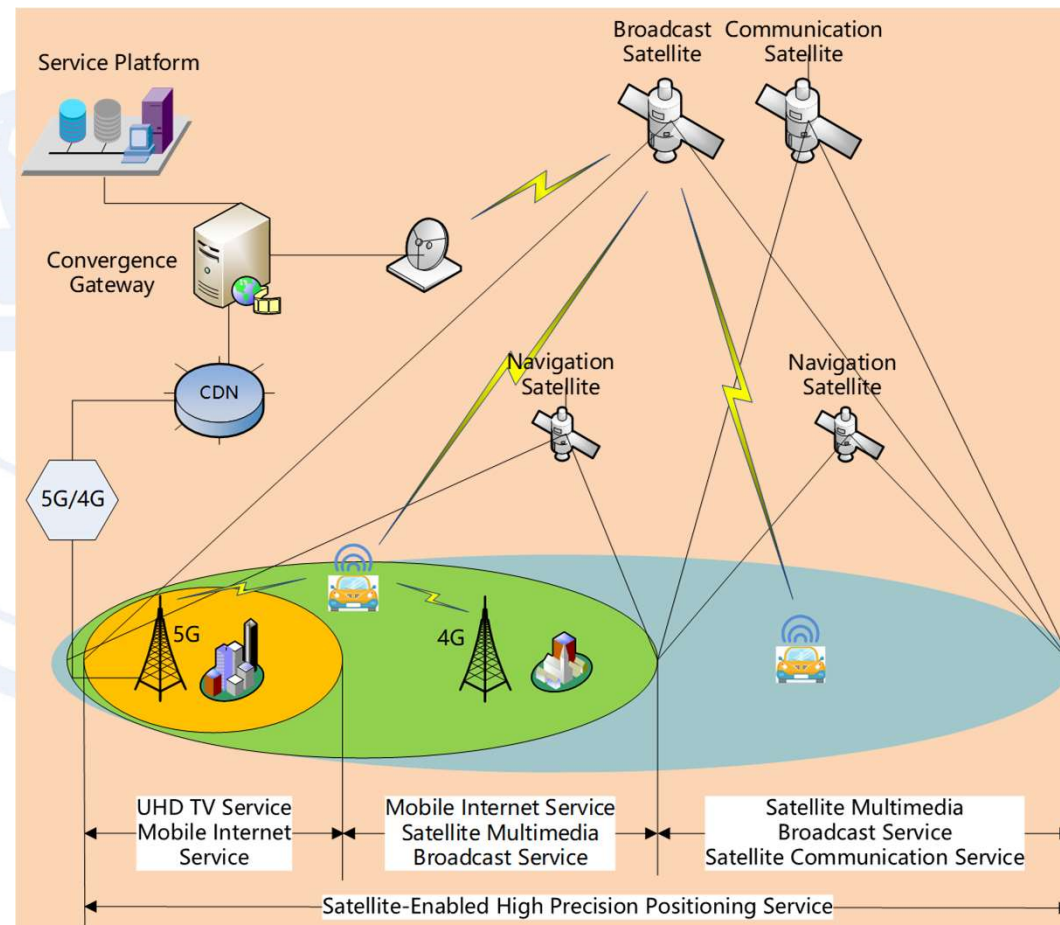


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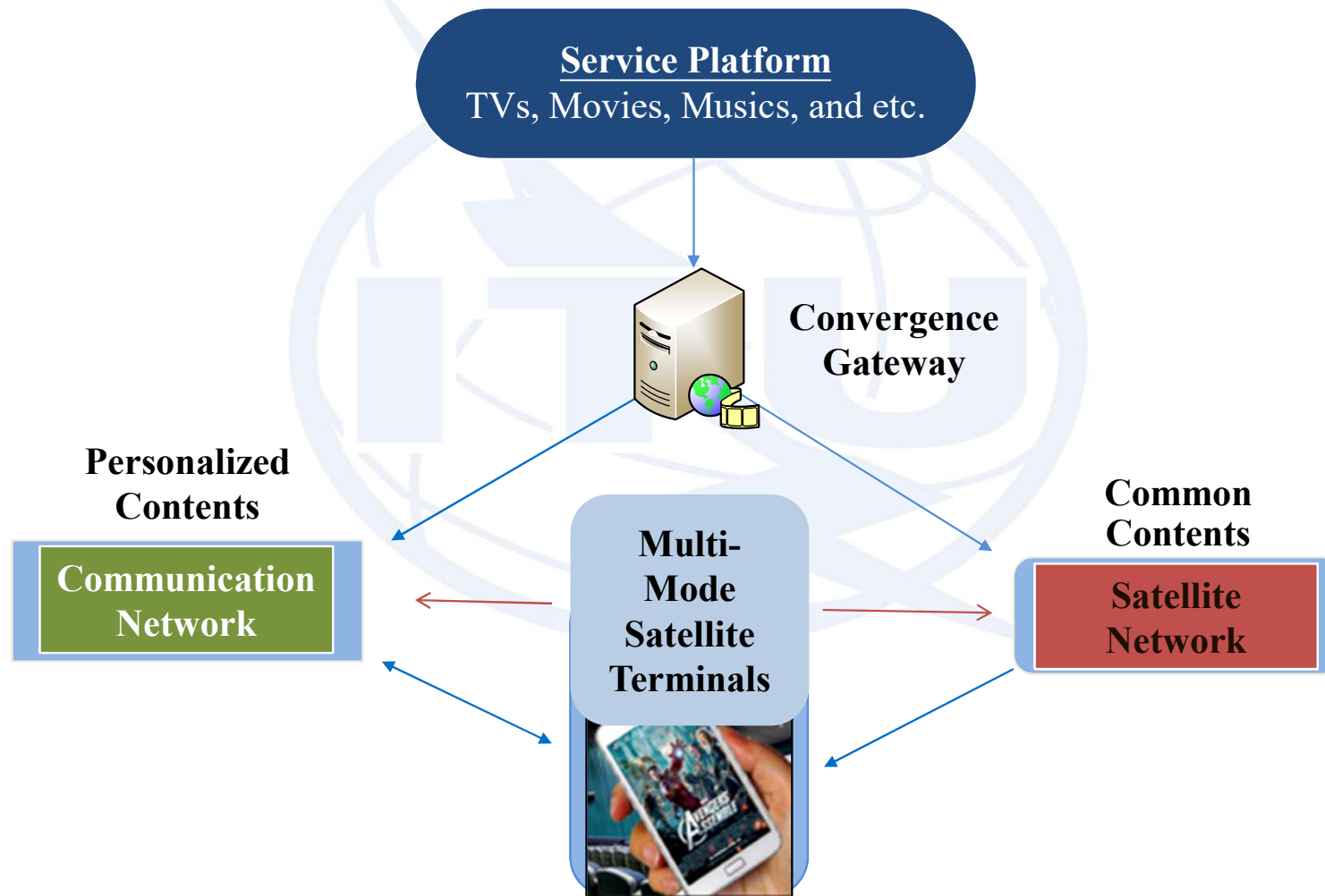
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All-in-One Solution by GVMedia: Platform and Networks

- Service Platform
- Networks
 - Satellite Networks
 - CDNs
 - Cellular Networks



All-in-One Solution by GVMedia: Convergence Gateway



All-in-One Solution by GVMedia: Terminals

- Integrated IVI Device with Multi-Mode Satellite Units

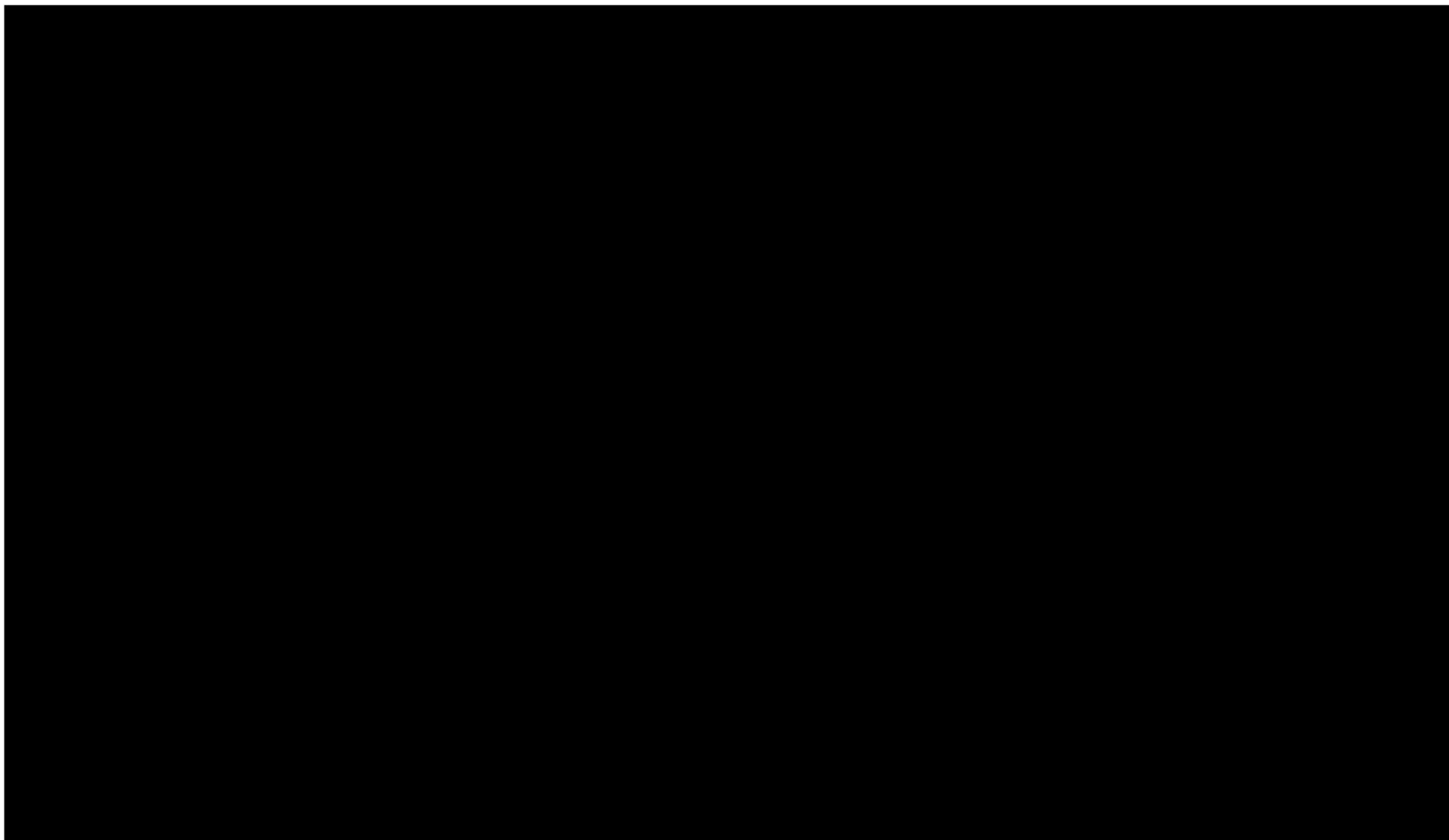


All-in-One Solution by GVMedia: Terminals

- Standalone Multi-Mode Satellite Devices



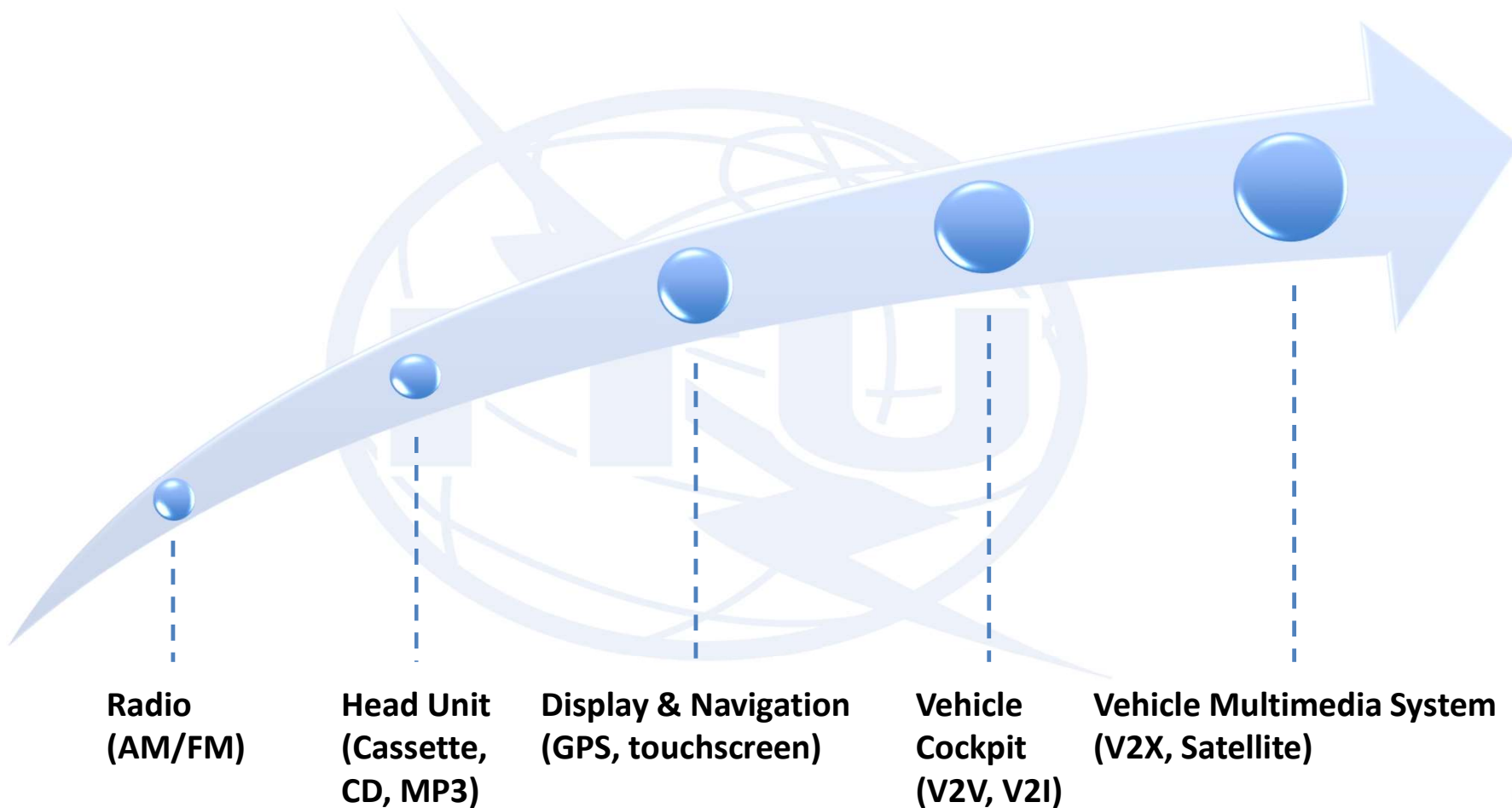
A Short Clip for the All-in-One Solution by GVMedia



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Car Infotainment Systems Trends in China



Showcase of All-in-One Solution GVMedia & Great Wall Motors & FAW Oct. 1 ~ Oct. 5, 2019 – Alashan, China



