

Car Infotainment Tech Trends

Last three decades and the exciting next 5 years

DESAY SV
automotive

Ewe Teik Eng
Head of Advanced Development



01 Contents

● Overview

● Tech Trends

● Transformative
Technology

● Reinventing
The Future



Development Of Car Industry In China

1952



The Beginning

- Military Needs
- FAW Jiefang CA-30
- Russian Technology

1984



Market Liberation

- JV with the West
- Toyota, Nissan, Daihatsu AMICA, Chrysler, VW, Citroen, Hyundai

1994



Local Branding

- Originated from defense industry
- Geely, Great Wall, Changan Motors, Changhe

2011



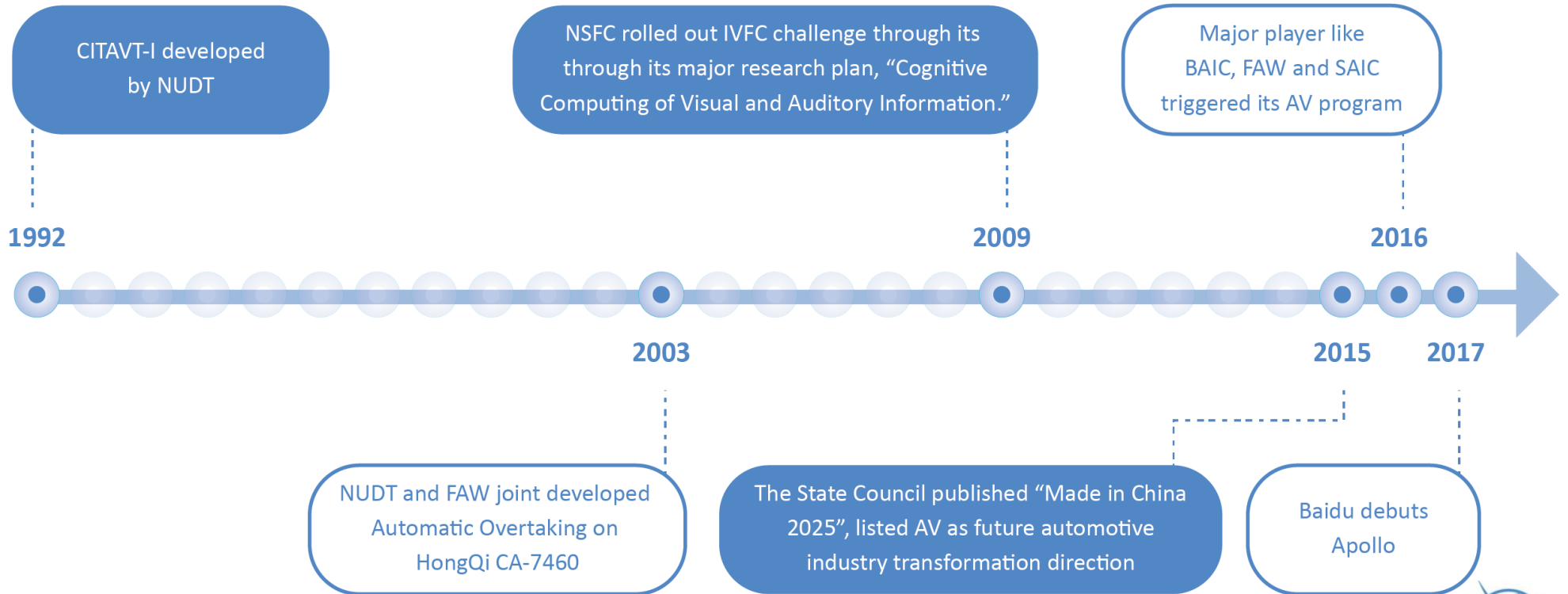
New Energy Vehicle

- Initiated in 10th 5 year plan
- SOP at 2011, >500k unit on 2016
- 1.7 million unit

Becoming world No.1 vehicle producer since 2009



ICV Technology Development In China



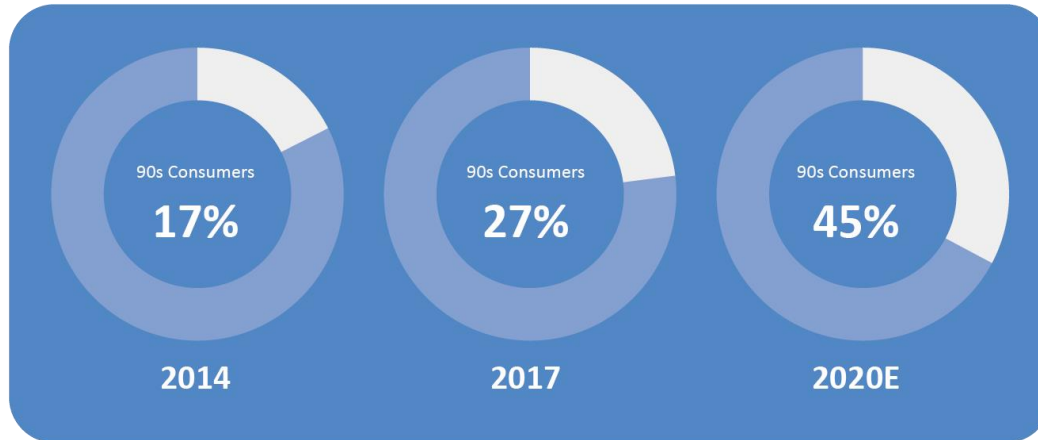
Policy Drive of ICV in China

Event	Date	Impact
<Made in China 2025>	May 2015	The first government policy that clearly defined ICV as future transformation direction for automotive industry
<Equipment Manufacturing Standardization and Quality Improvement Plan>	April 2016	Commencement of standardization work on ICV industry
<National Automotive Industry Medium-Long Term Development Plan>	Jun 2017	Increase support for R&D, push for broadband infrastructure development and cross industrial development of big data sharing platform for automotive, accelerate the construction of cyber security & traffic safety system development
<National Standards System of Telematics Industry (Intelligent & Connected Vehicles)> –draft	Jun 2017	Establish intelligent & connected vehicle industry based on “Car as the core, integration of intelligent capability as main aim, seconded by connectivity effort”
<Development Plan on the New Generation of Artificial Intelligence>	July 2017	Advocate open and coordinated innovative AI system, elevate AI industry into the global high-end value chain, Research coordination sensing and interaction aimed at autonomous unmanned systems



Power of Youth: China's Consumer Culture

China 90s grow up with Internet, highly interest in internet culture.



More force on Car's cosmetic, entertainment and high-tech.

- Brand Conscious
- Social Media Reliance
- Tech Savvy
- Instantaneous & Sophisticated



02

Contents

● Overview of Automotive & Multimedia in China

● Trend Variation

● Key Technology

● Reinventing The Future



Development Of Car Industry In China



Previous



Current

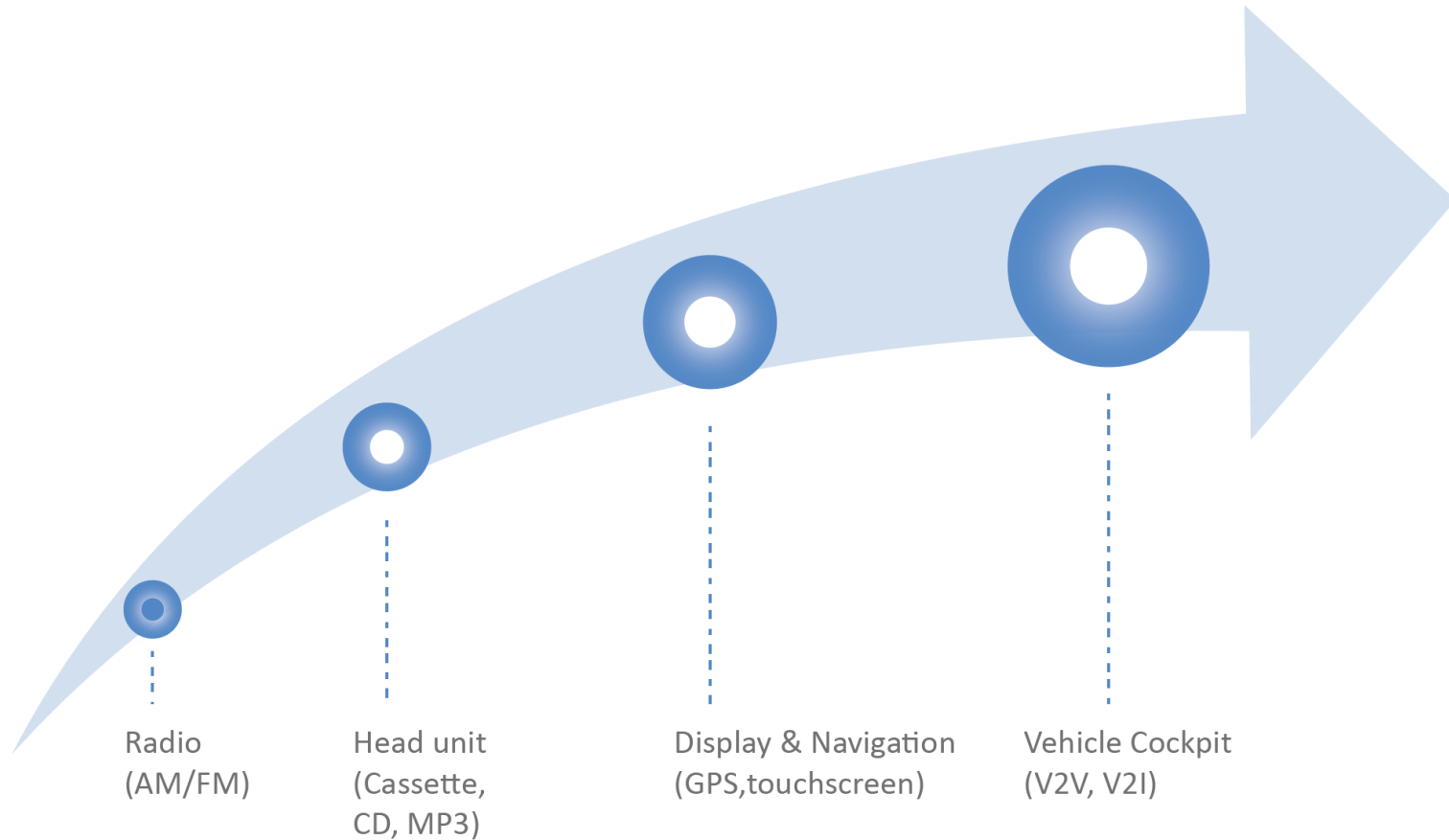
The evolution of the interior



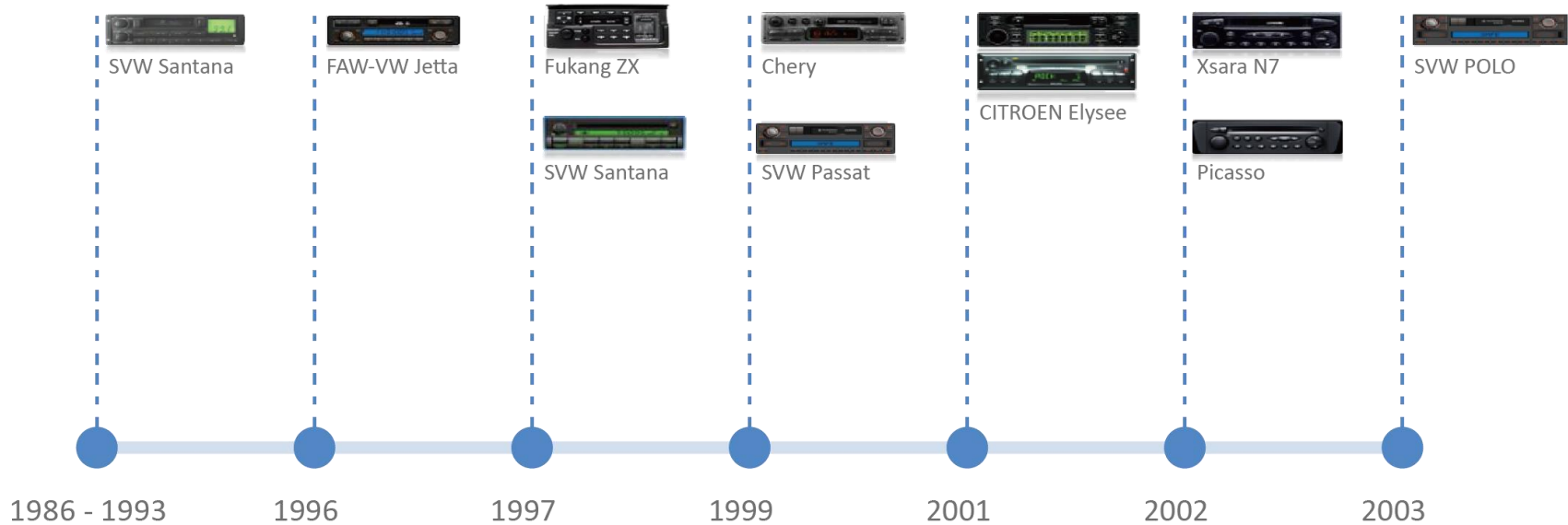
Previous

Current

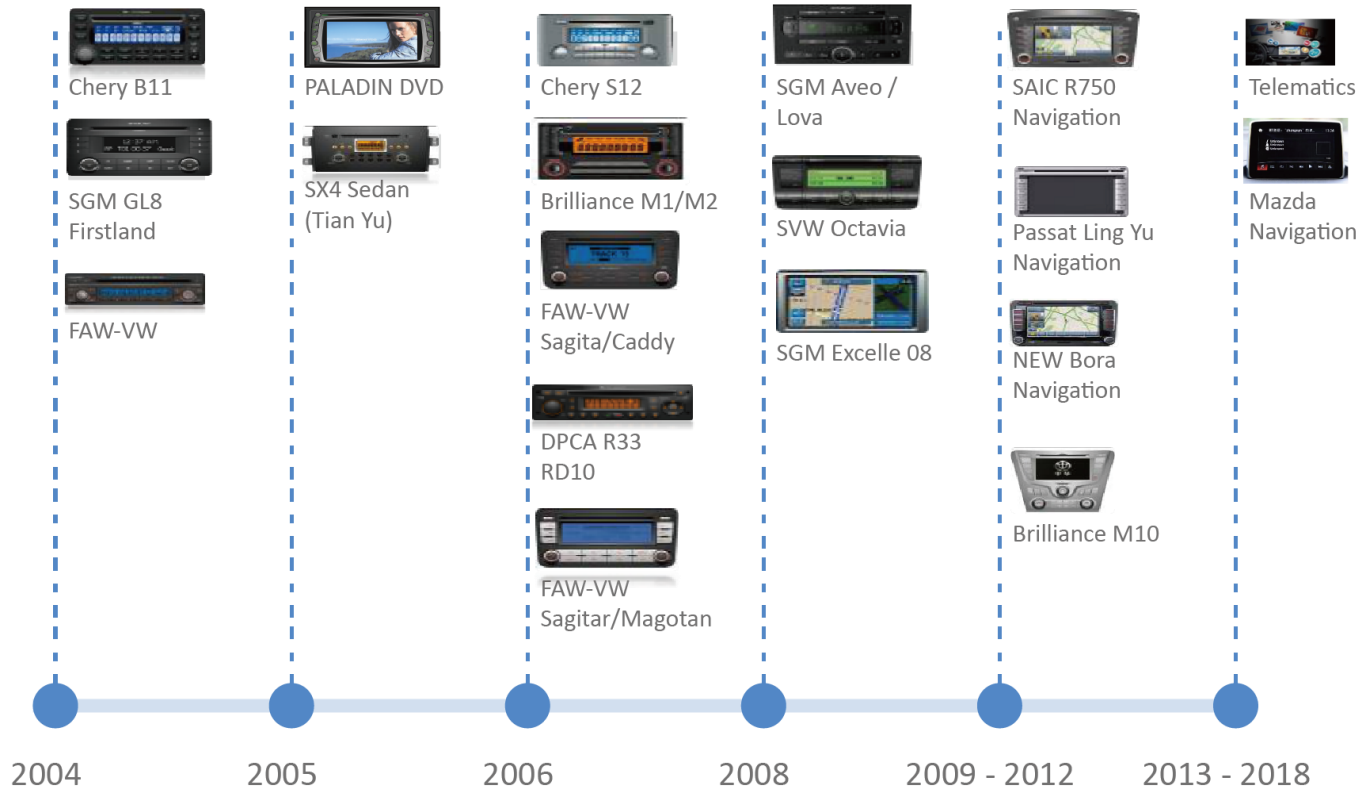
Car Infotainment Systems Trends in China



Infotainment products in China market (Standalone unit)



Infotainment products in China market (Standalone unit)



IVI Building Blocks & Features



Radio Series

AM/FM/
RDS

USB/SD/
Aux

Bluetooth

Media



Display Audio Series

RVC

Video

CarPlay

Car Life



Navigation Series

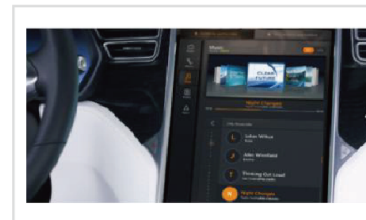
Touch HD

Navi

Android

Internet

Wi-Fi



Smart Internet IVI Series

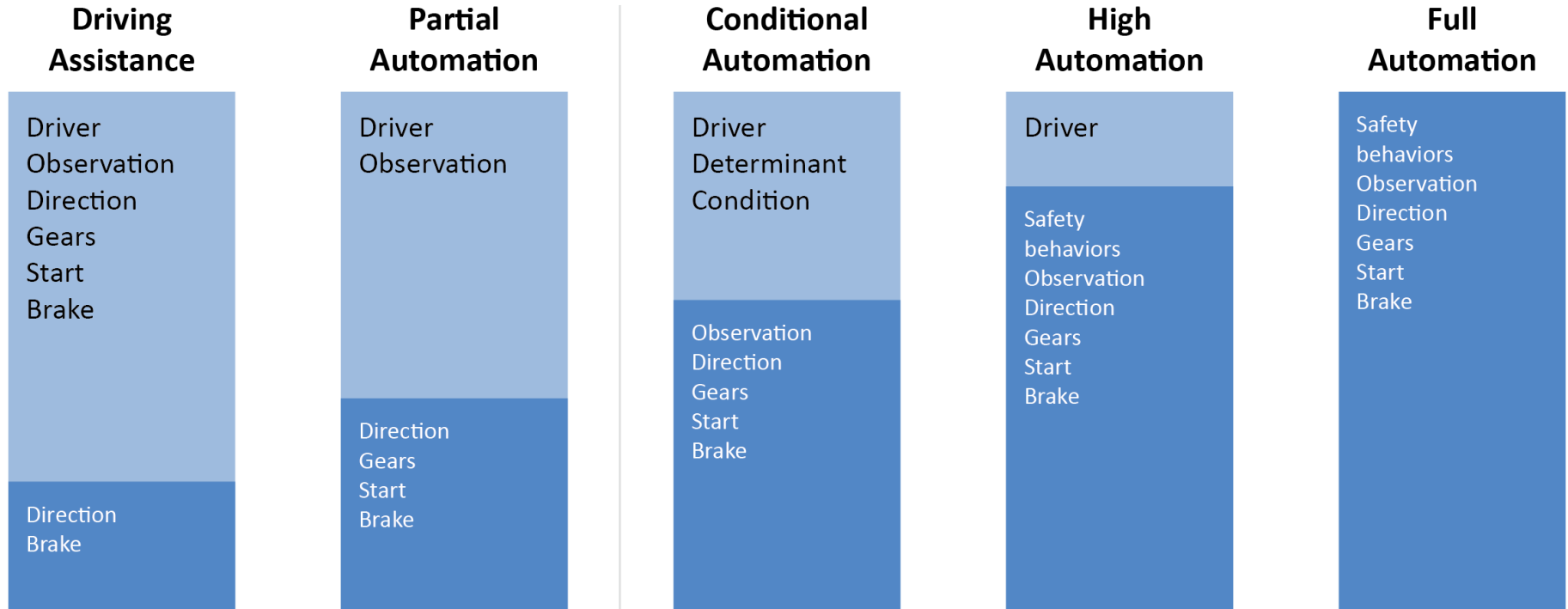
VR

HTML5

T-Box

Multi-
screen

Changes brought by ICV (Intelligent Connected Vehicle)

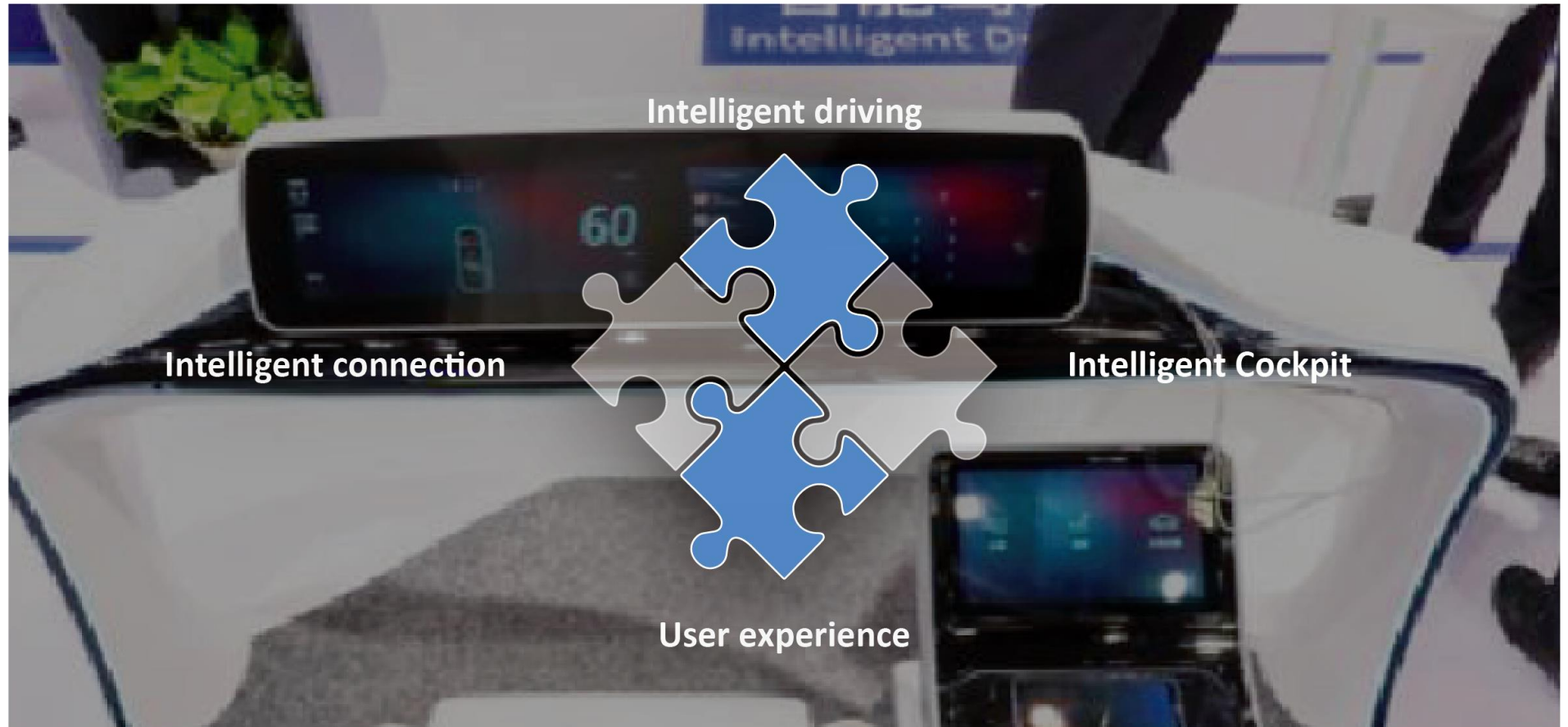


Driving Assistance

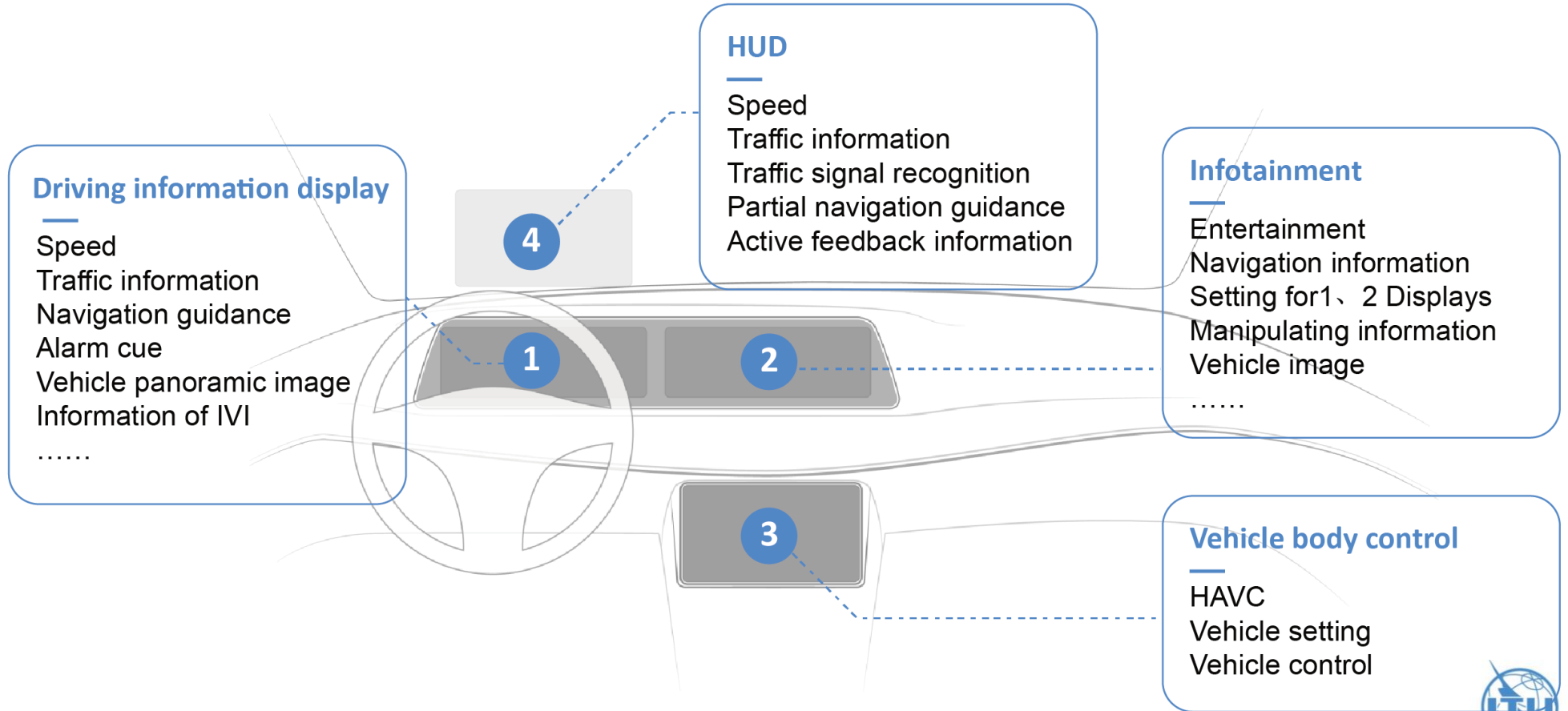
Intelligent Driving



Intelligent Cockpit



Functional division of different screens



03

Contents

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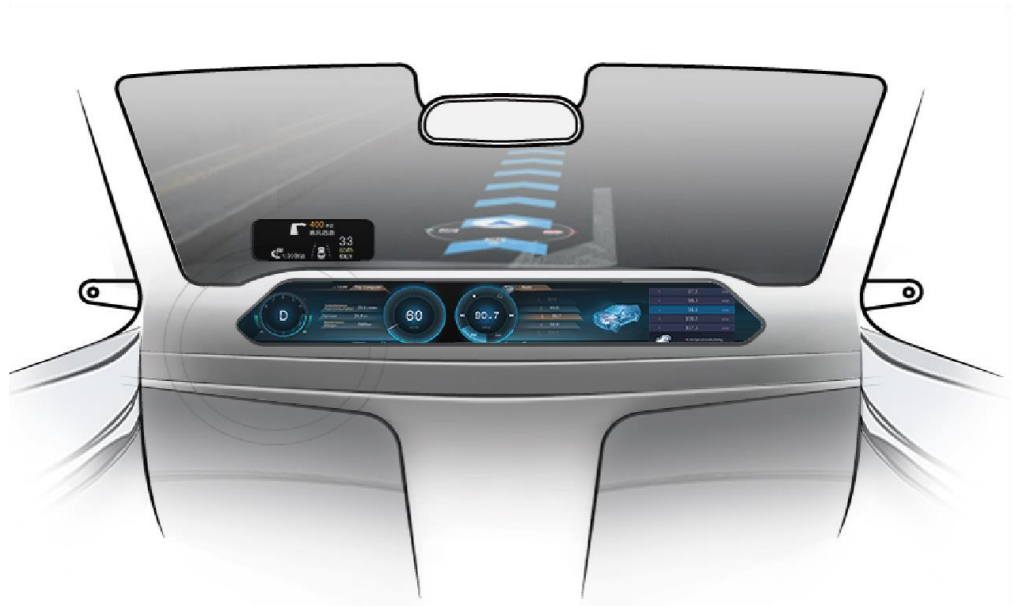
● Key Technology

● Reinventing The Future

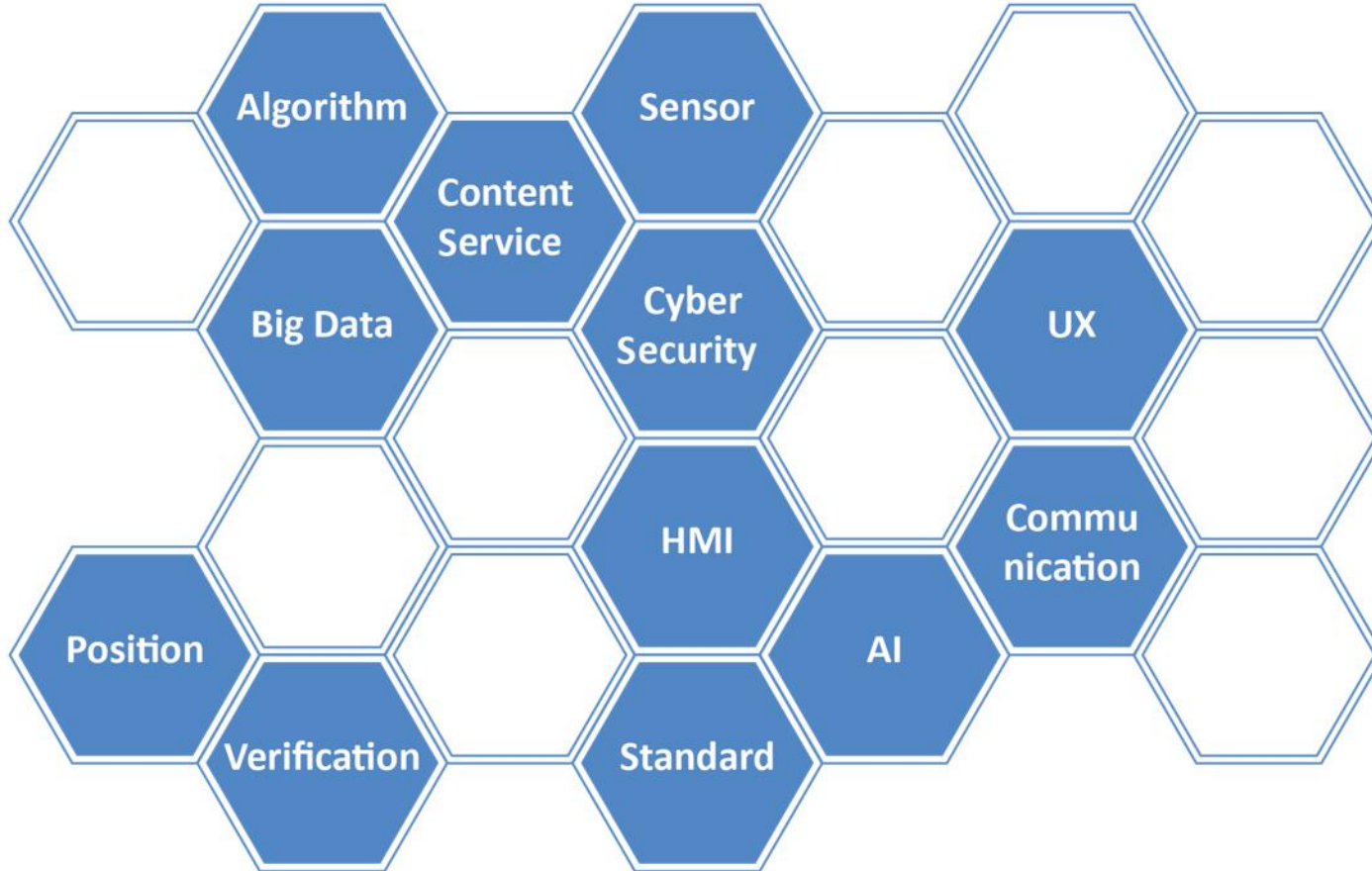


Key Technology Trends

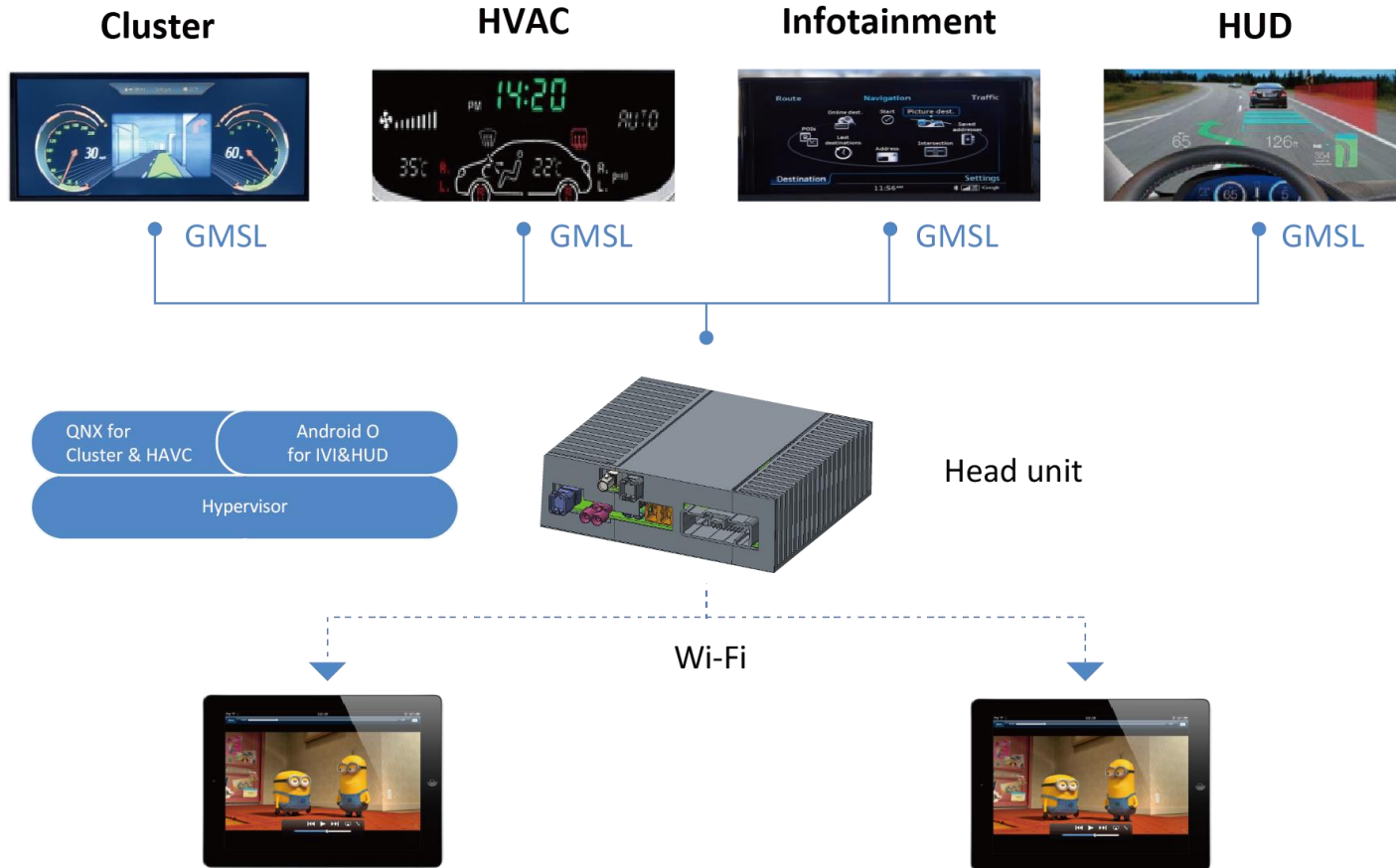
- Integrated design
- Hypervisor
- Automotive Network: high bandwidth, low latency.
- Connected
- Cyber Security
- Augmented Reality application
- Artificial Intelligence
- User Experiences



Key Technical Fields



Intelligent cockpit solution



04

Contents

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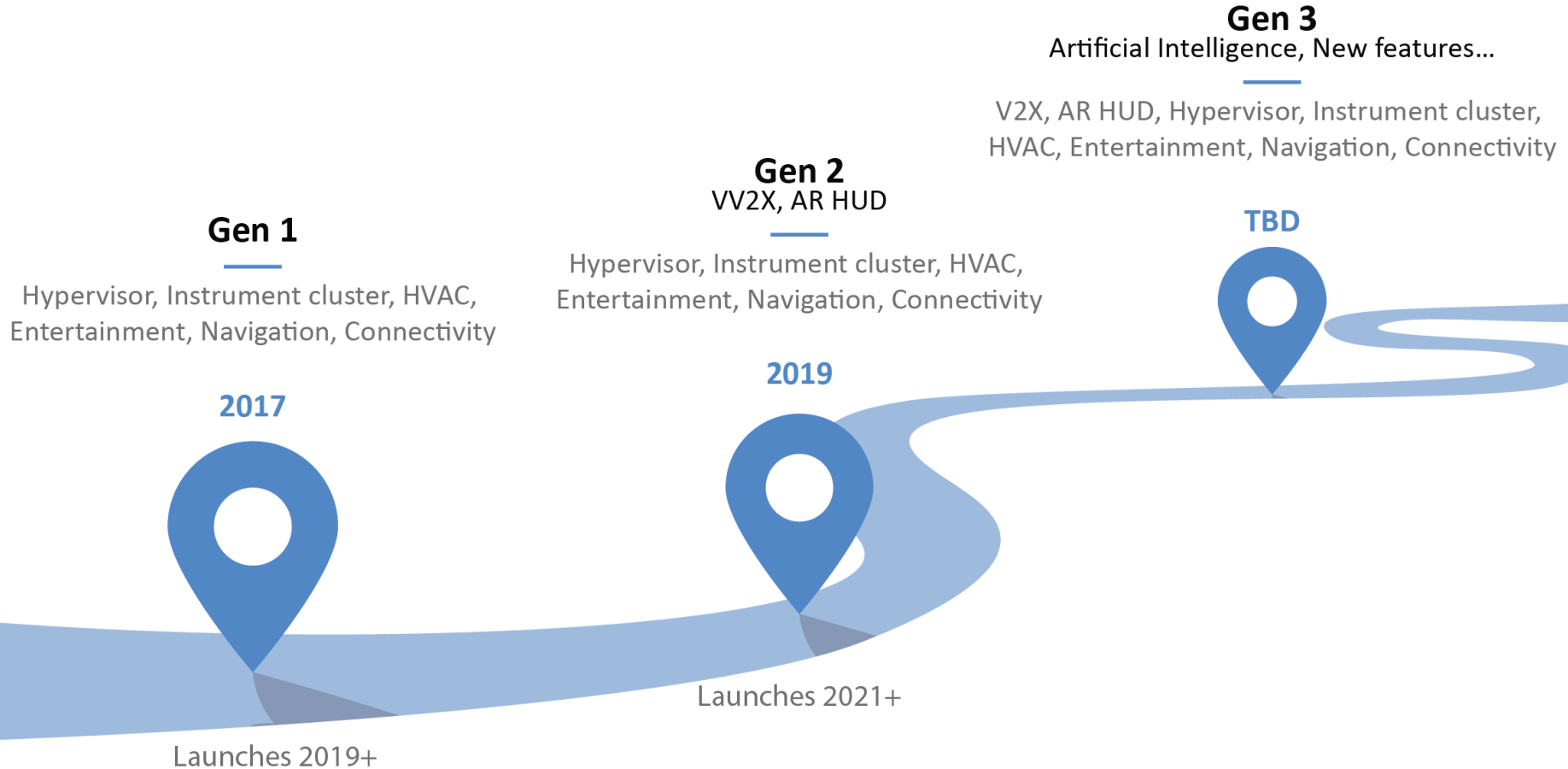
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Integration Cockpit Roadmap



Concept of Development

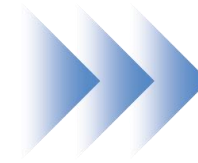
Standalone

Independent function
No information interaction
Simple HMI



Interconnected

Multifunction display
Information interaction
Complicated HMI



Integration

Large screen display
Mass information integration
Comfortable HMI



Vision

To be the preferred partner of global automotive industry through innovation and supplying value professionally

DESAYSV
automotive

