NISSAN

Connected Car

NISSAN INTELLIGENT MOBILITY

Nissan Intelligent Mobility transforms your car into a more exciting partner by redefining how your car is driven, powered and integrated into society.

Intelligent Driving

More Confident

Intelligent Power

More Excited

Intelligent Integration

More Connected

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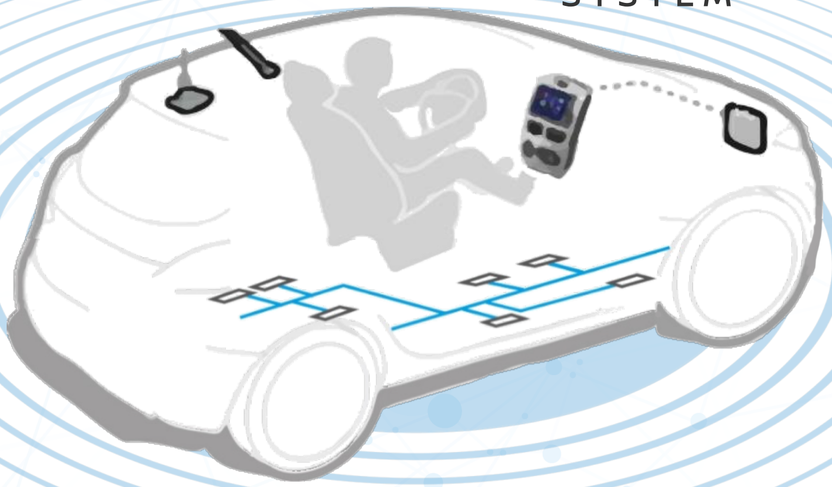
Wide scope of Connected Car benefits

- Key areas where Connected Car will contribute the most value

Autonomous Drive & EV

Alliance Intelligent Cloud

ALLIANCE INFOTAINMENT SYSTEM



ALLIANCE CONNECTIVITY MODULE

Personal services

NissanConnect
CONNECTED CAR. CONNECTED FAMILY.

amazon alexa

New Mobility

Data business

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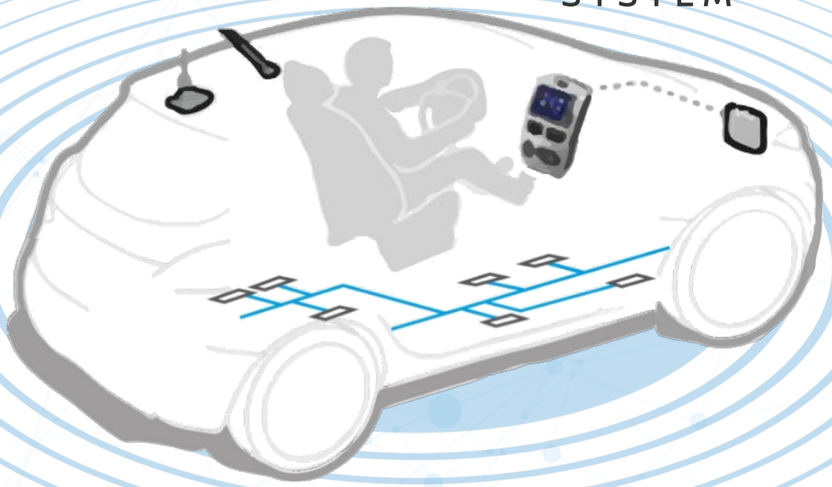

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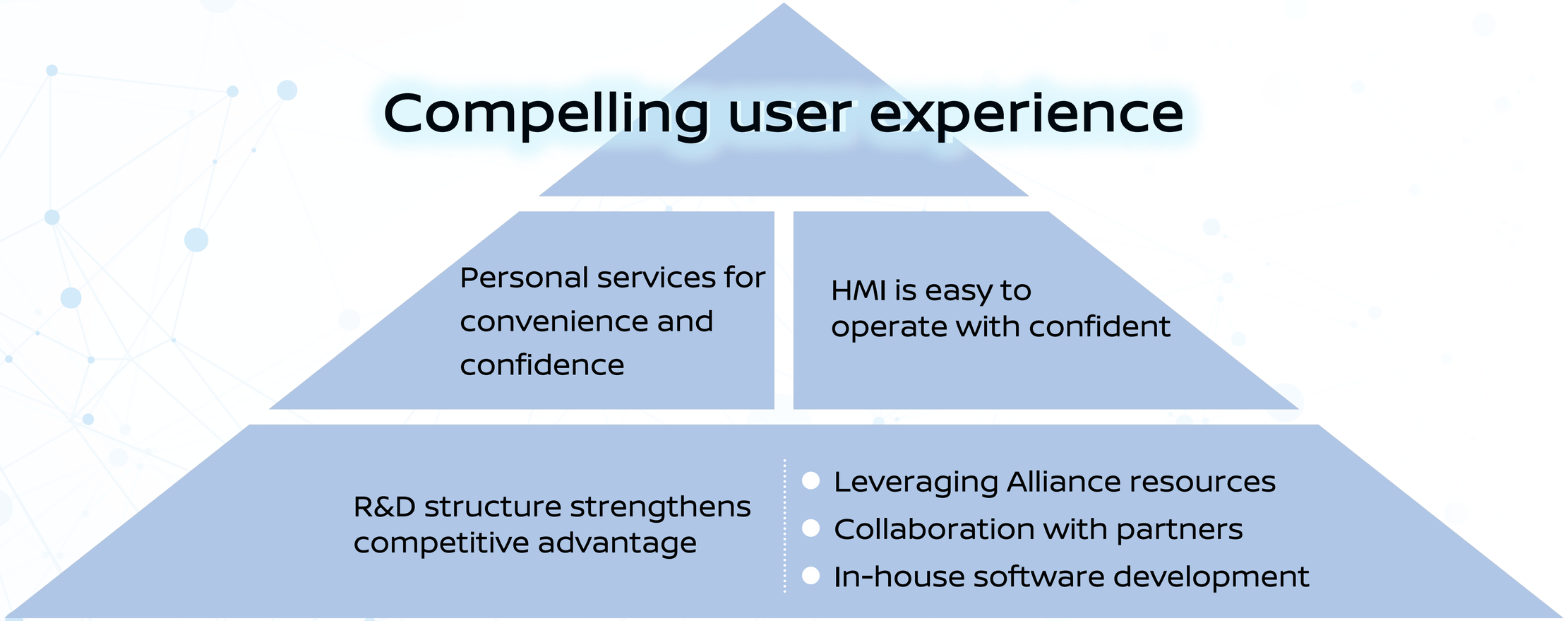
Seamlessly connected personal services

- Compelling services seamlessly connect your experiences before departure and while driving, to after arrival

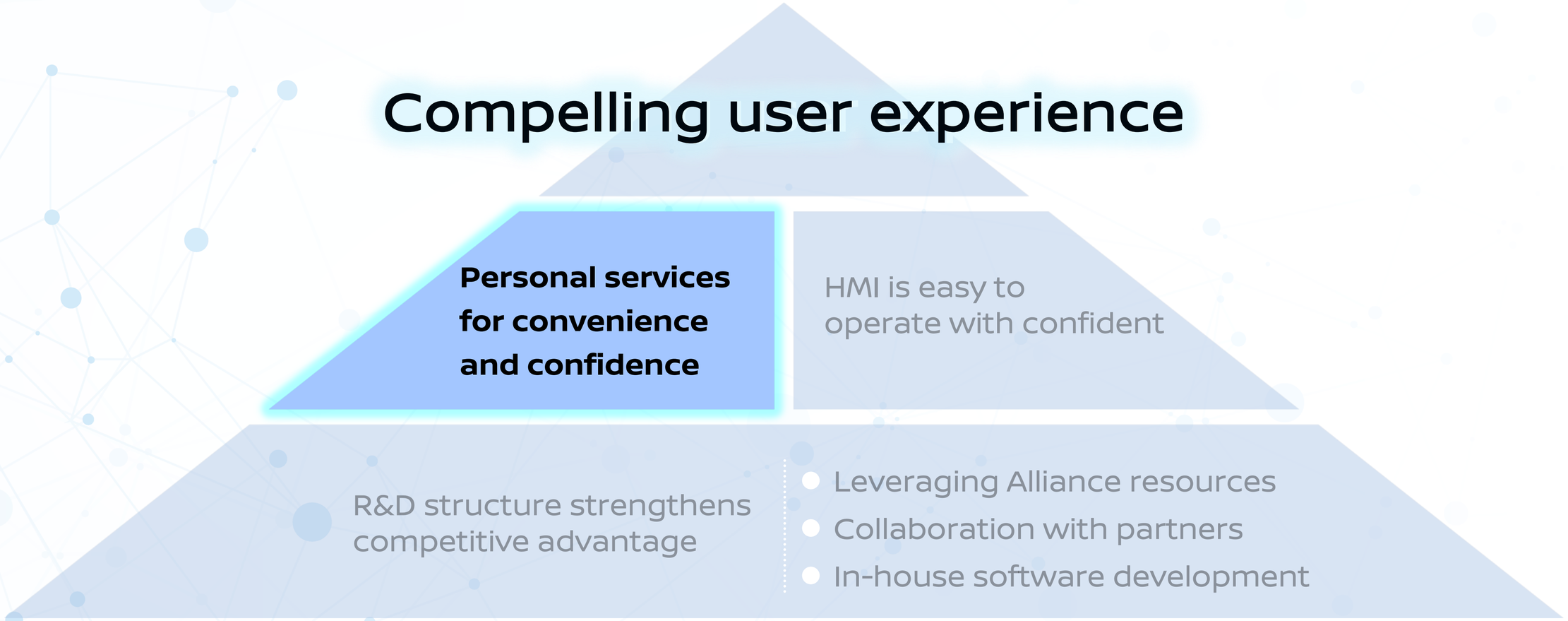
Creating a compelling user experience

- By integrating services with HMI, Nissan provides a uniquely seamless and compelling user experience



Personal services for convenience and confidence

- By integrating services with HMI（Human-machine interface, Nissan provides a uniquely seamless and compelling user experience



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Personal service examples

- Seamless personal service evolution

NissanConnect
CONNECTED CAR. CONNECTED FAMILY.

Existing services

- Remote engine start
- Remote air conditioning setting

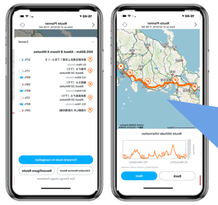
amazon alexa

Upcoming services

Today's demo

Confidence enhancing service for EV owners

Smart route planner



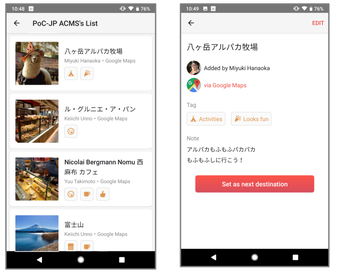
- Set destination on smartphone
- Routes vehicle through charging spots depending on battery level
- Can reserve charging spots

In-car payment

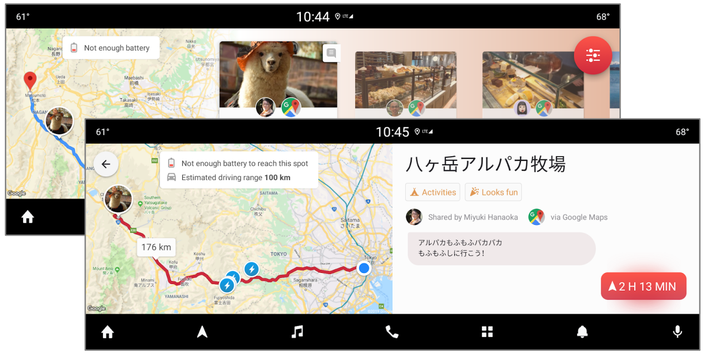
Automated payment from within vehicle

New user experience

Connected app concept



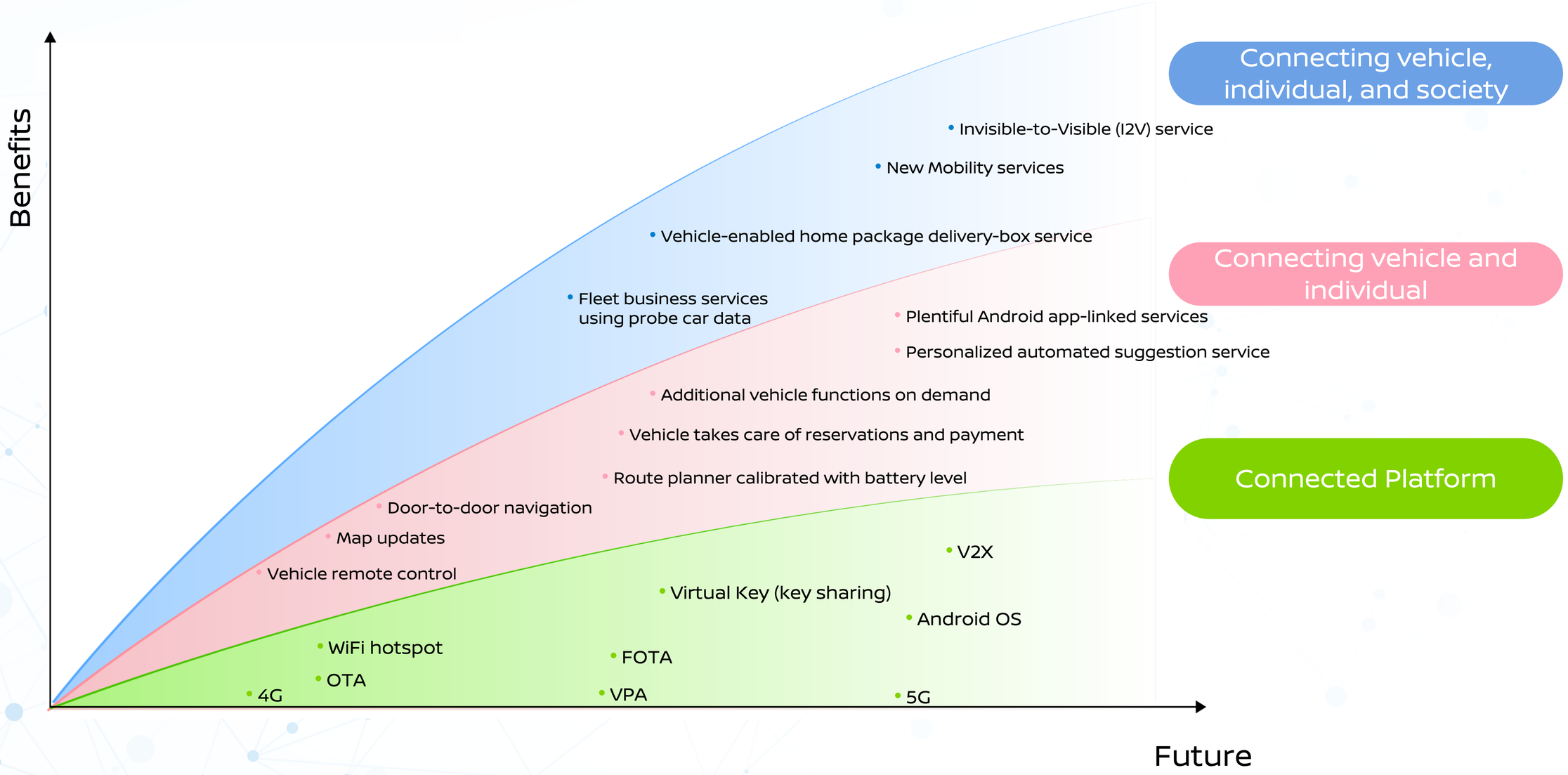
Smartphone application



In-car infotainment system

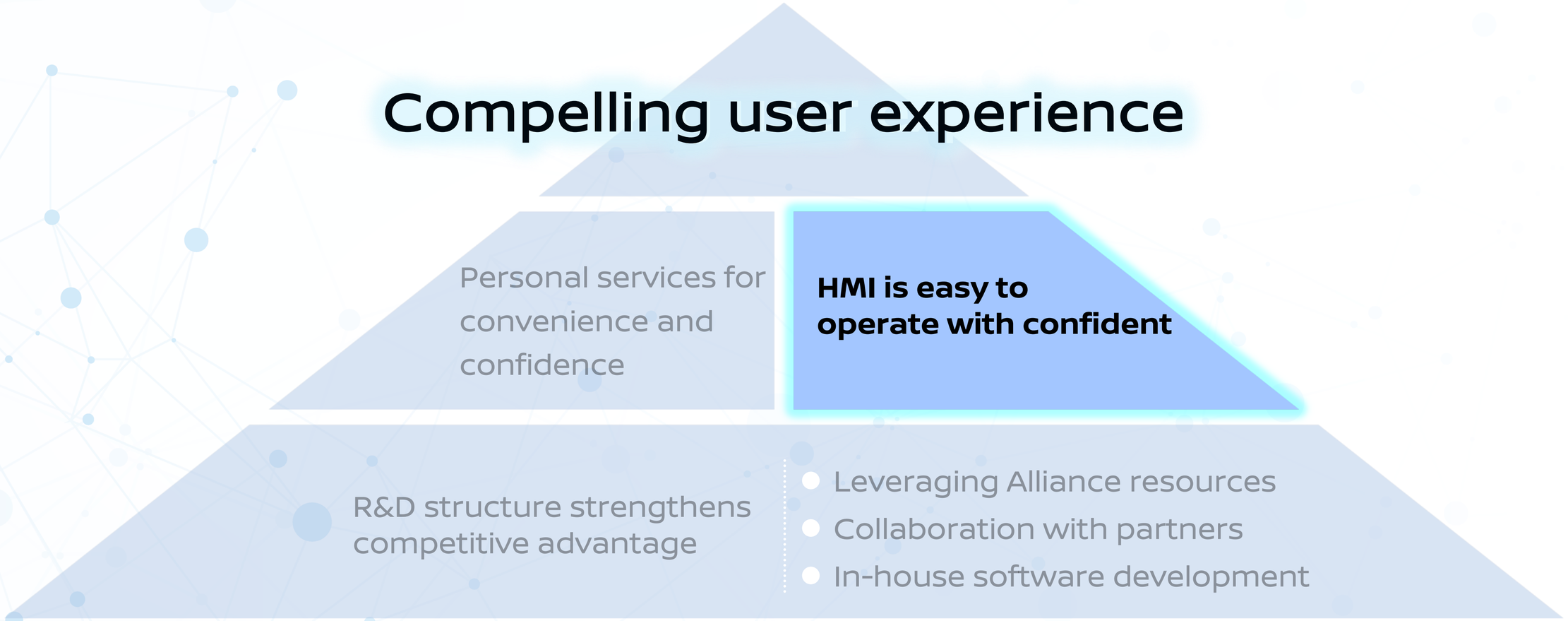
Evolution of services

- Seamless service coverage expands to include vehicles, individuals and society



HMI is easy to operate with confident

- By integrating services with HMI, Nissan provides a uniquely seamless and compelling user experience



HMI roadmap

- The human-centric HMI inspires confidence and is easy to use; it provides information as needed at the appropriate place and time

Easy to operate with confidence

Clean design and intuitive operation

Seamless integrated display

Semi mixed-reality display

Invisible-to-Visible (I2V)

Information is displayed as needed at the appropriate place and optimum time

HMI demonstration

Seamless integrated display

Today's demo

Shows speed and other vehicle information integrated with GPS and other service information

Semi mixed-reality display

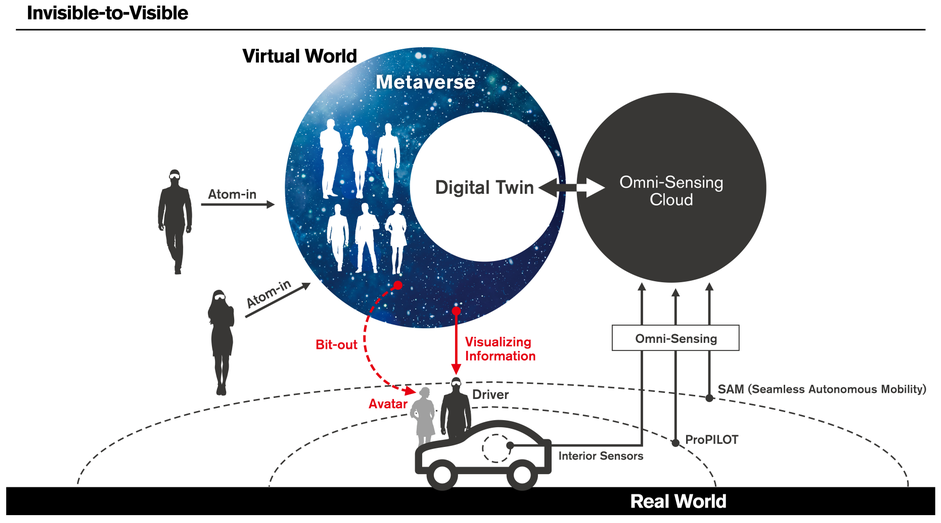
Today's demo

Well-timed display of scenario-dependent information linking cockpit to outside world

Invisible-to-Visible (I2V)

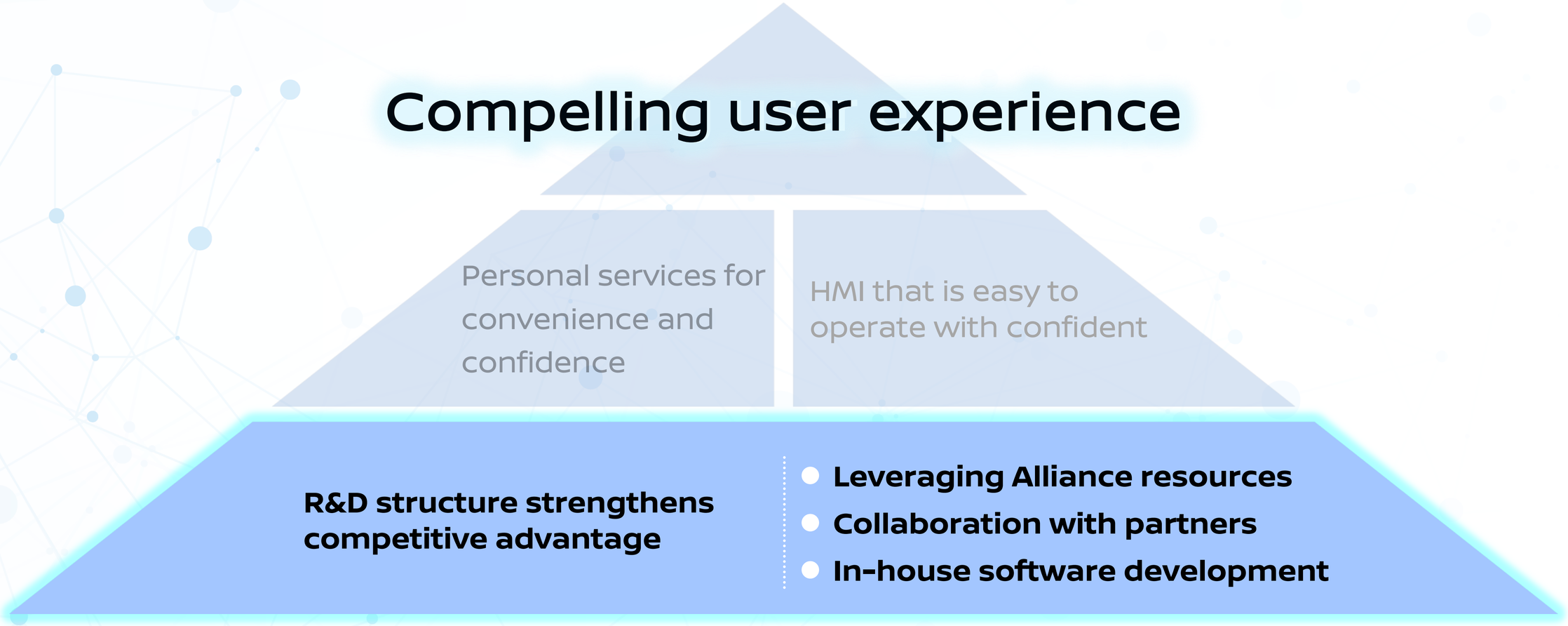
Demo@GRANDRIVE

New HMI uses AR (augmented reality) to link virtual and real worlds



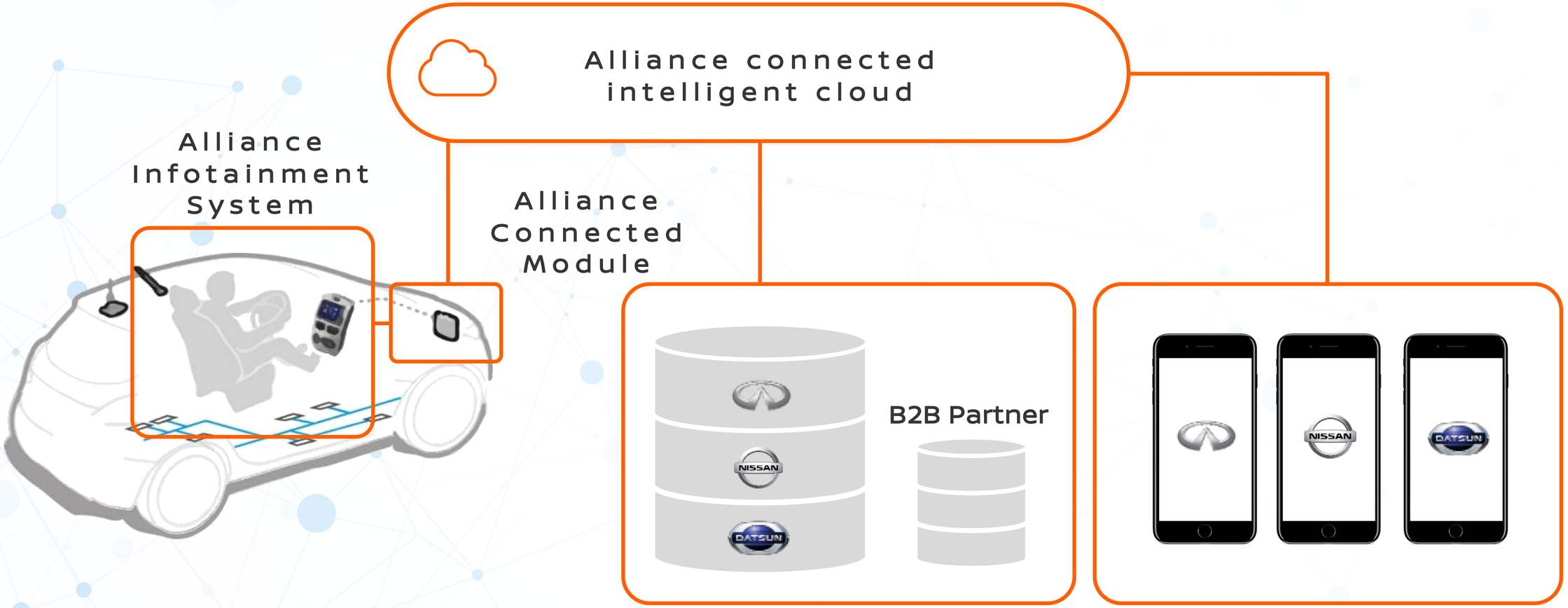
R&D structure strengthens competitive advantage

- By integrating services with HMI, Nissan provides a uniquely seamless and compelling user experience



Efficient development, leveraging Alliance resources

- Efficient development of Cloud services, on-board devices, and smartphone apps



Collaboration with partners

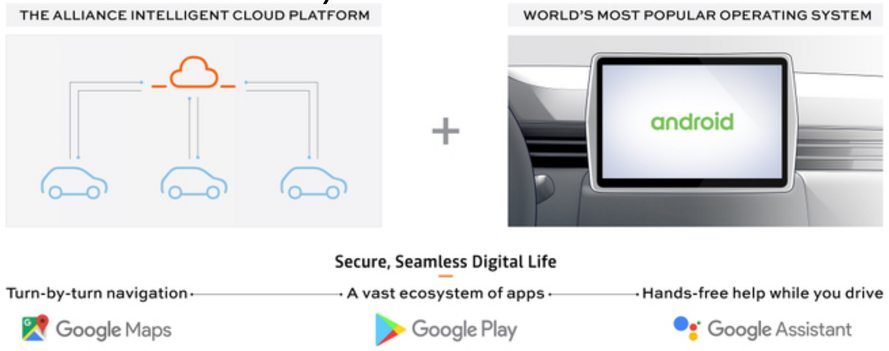
- Leveraging industry-leading partner technology for quicker development and quality assurance

Server technology development

Collaborating with Microsoft for development of Alliance Intelligent Cloud

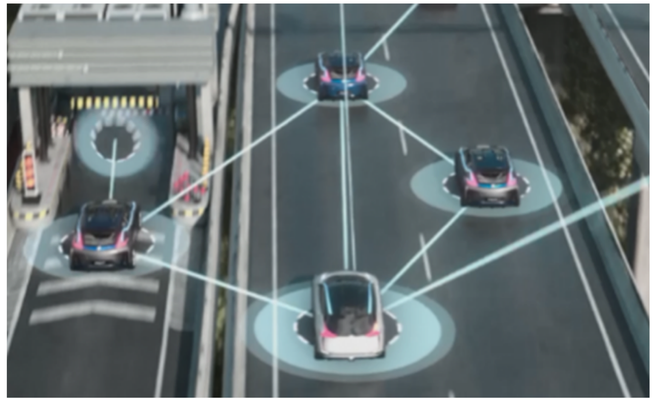
Development of on-board technology

Integrating Google services in next-gen infotainment system

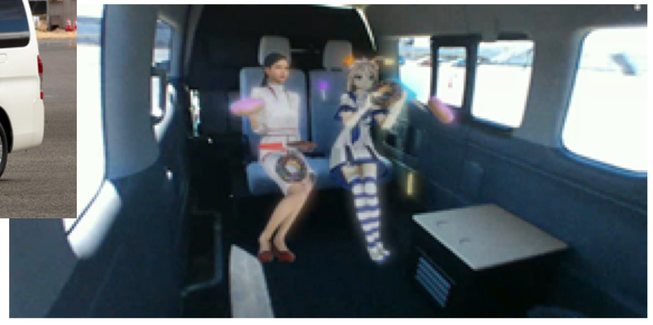


Connected technology development

C-V2X with Continental, Ericsson, NTT docomo, OKI, Qualcomm



5G & AR HMI with NTT docomo



In-house software development for enhanced service development capability

- Advanced technology and new services developed rapidly with high quality
- In-house development of HMI and smartphone apps help facilitate nimble updates and assure a consistent user experience

Software architecture is designed for effective use of in-house software and partner software to secure user

※HAL: Hardware Abstraction Layer

Software training center established November 2017

Training engineers to have the skill sets needed for both vehicle engineering and software development

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