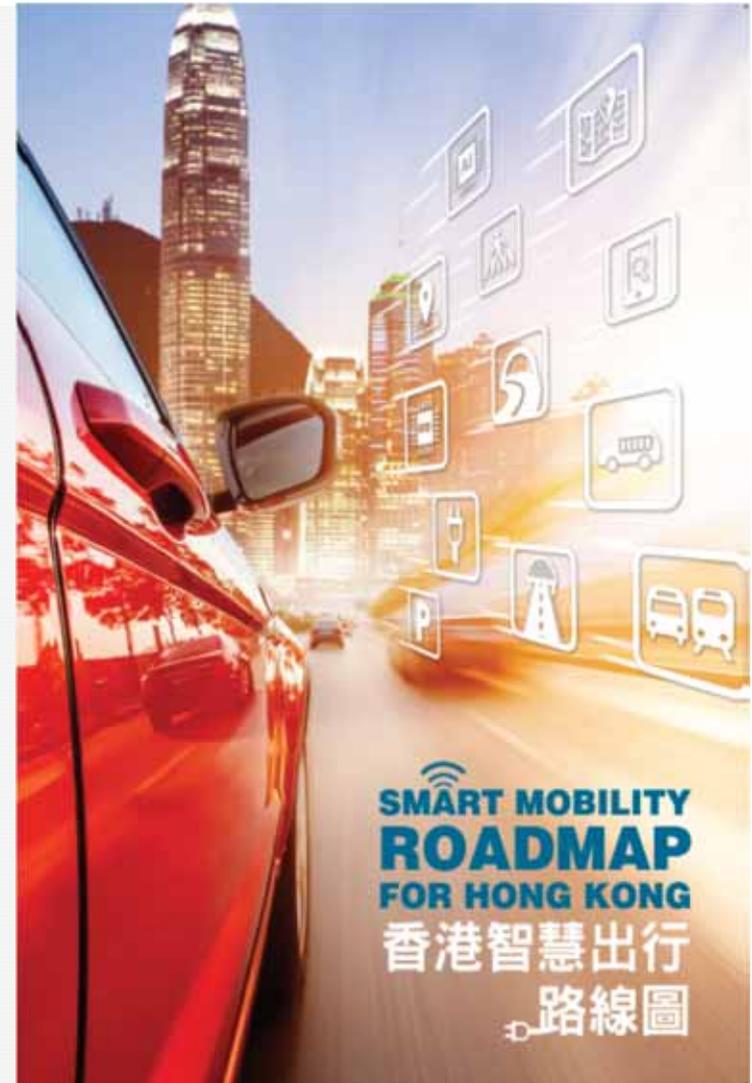


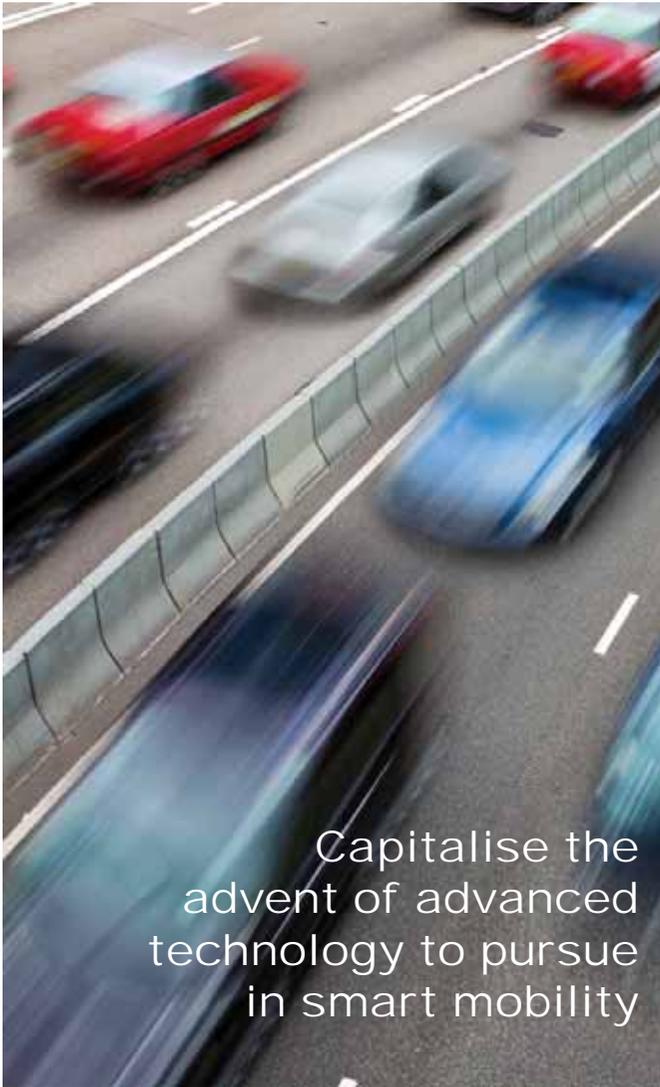
Technology Forum

Smart Mobility Roadmap

Mr. Joe HSIE
Smart Mobility Division
Transport Department

25 September 2019





Σ **Safe** **Green** **Accessible** **S** **I** **G** **M** **A** **Informative** **Mobile**



Safe:

Reduces the risk of traffic fatality or injury.



Mobile:

Moves people and goods expeditiously and efficiently, meeting the needs of both users and operators.



Informative:

Provides useful information to road users.



Accessible:

Delivers easily-reachable and reliable transport services.



Green:

Promotes the use of environmentally-friendly modes of transport.

The diagram features three large interlocking gears: a green gear on the left, a dark blue gear at the top, and an orange gear at the bottom. A small white gear is positioned between the dark blue and orange gears. In the bottom left corner, there is a circular inset showing a traffic detector device, with a small white gear below it. The background is a blue geometric pattern of triangles and lines.

**Smart
Transport
Infrastructure**

**Application
and Services**

**Data Sharing
and Analytics**

**Traffic
detectors**



The diagram features a central green gear labeled 'Smart Transport Infrastructure'. To its right is a dark blue gear labeled 'Application and Services'. Below the green gear is an orange gear labeled 'Data Sharing and Analytics'. The background is a blue geometric pattern with several smaller white gears scattered around. In the bottom left, there are two circular icons: one of a smart lamppost and one of a traffic detector, each with a text label below it.

**Smart
Transport
Infrastructure**

**Application
and Services**

**Data Sharing
and Analytics**

**Smart
lampposts**

**Traffic
detectors**









AV & V2X



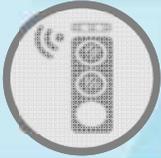
Geo-fencing



IVU & FPTS



Intelligent junctions



Smart lampposts



Traffic detectors



**Smart
Transport
Infrastructure**

**Application
and Services**

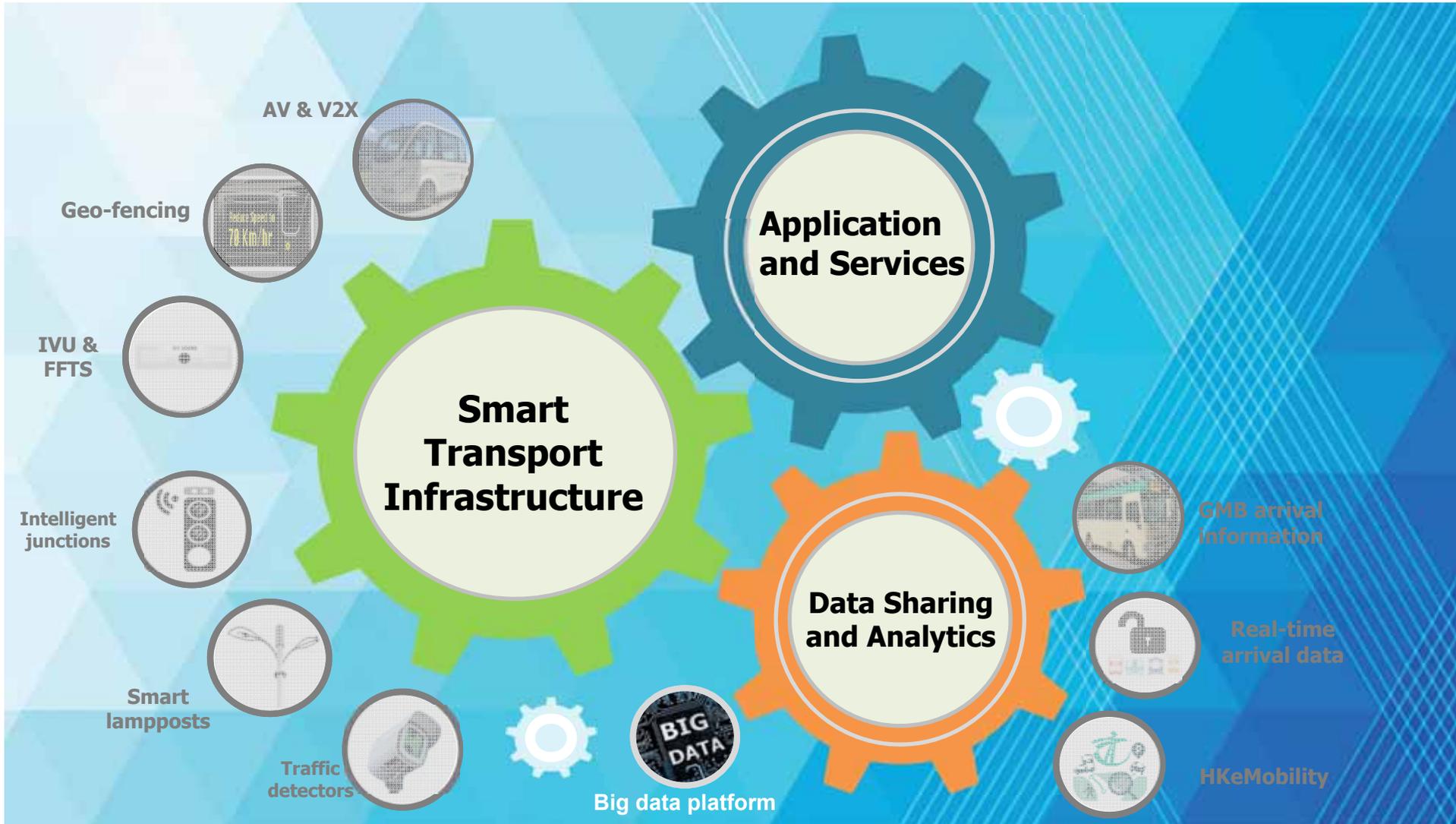
**Data Sharing
and Analytics**

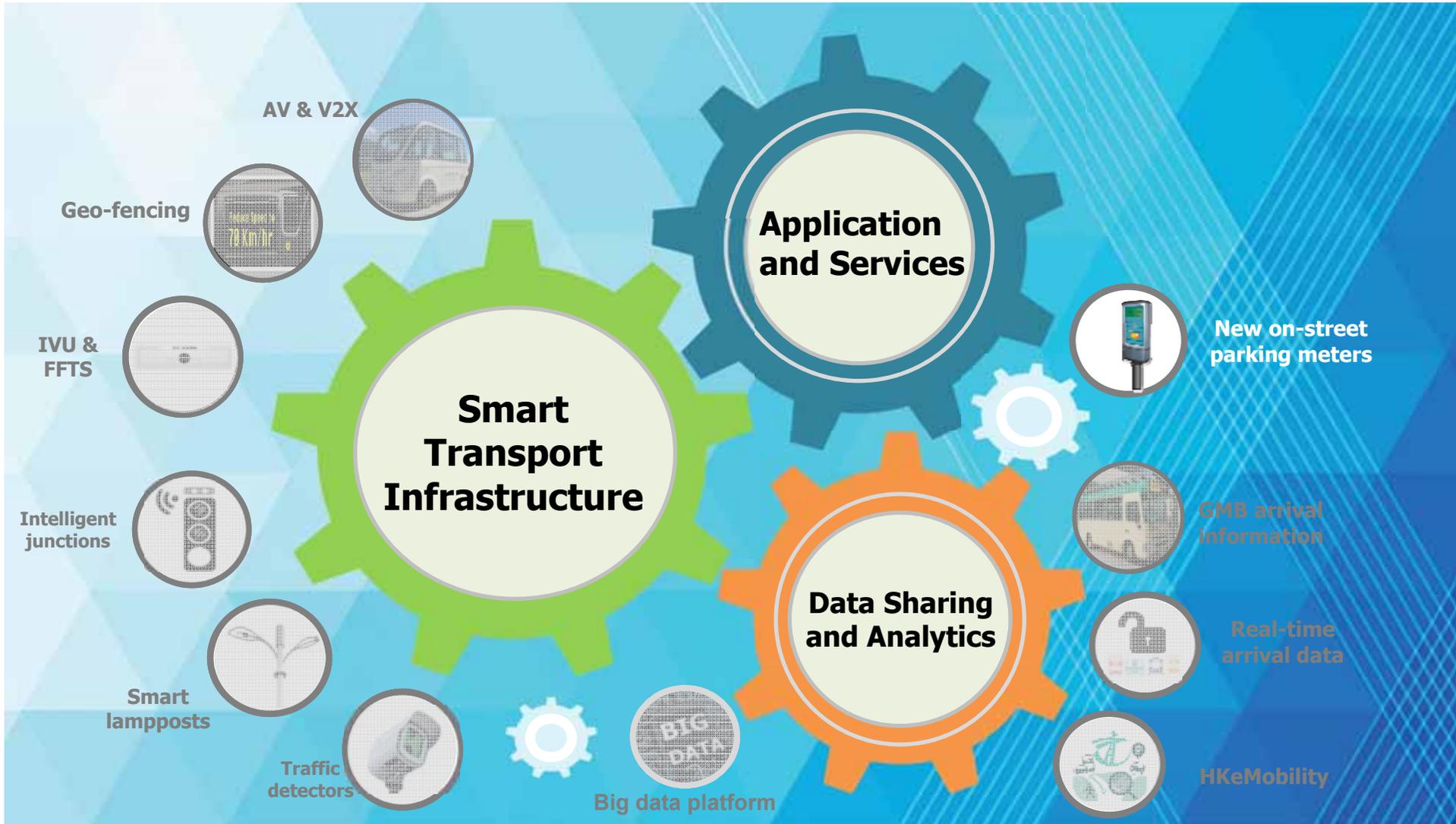


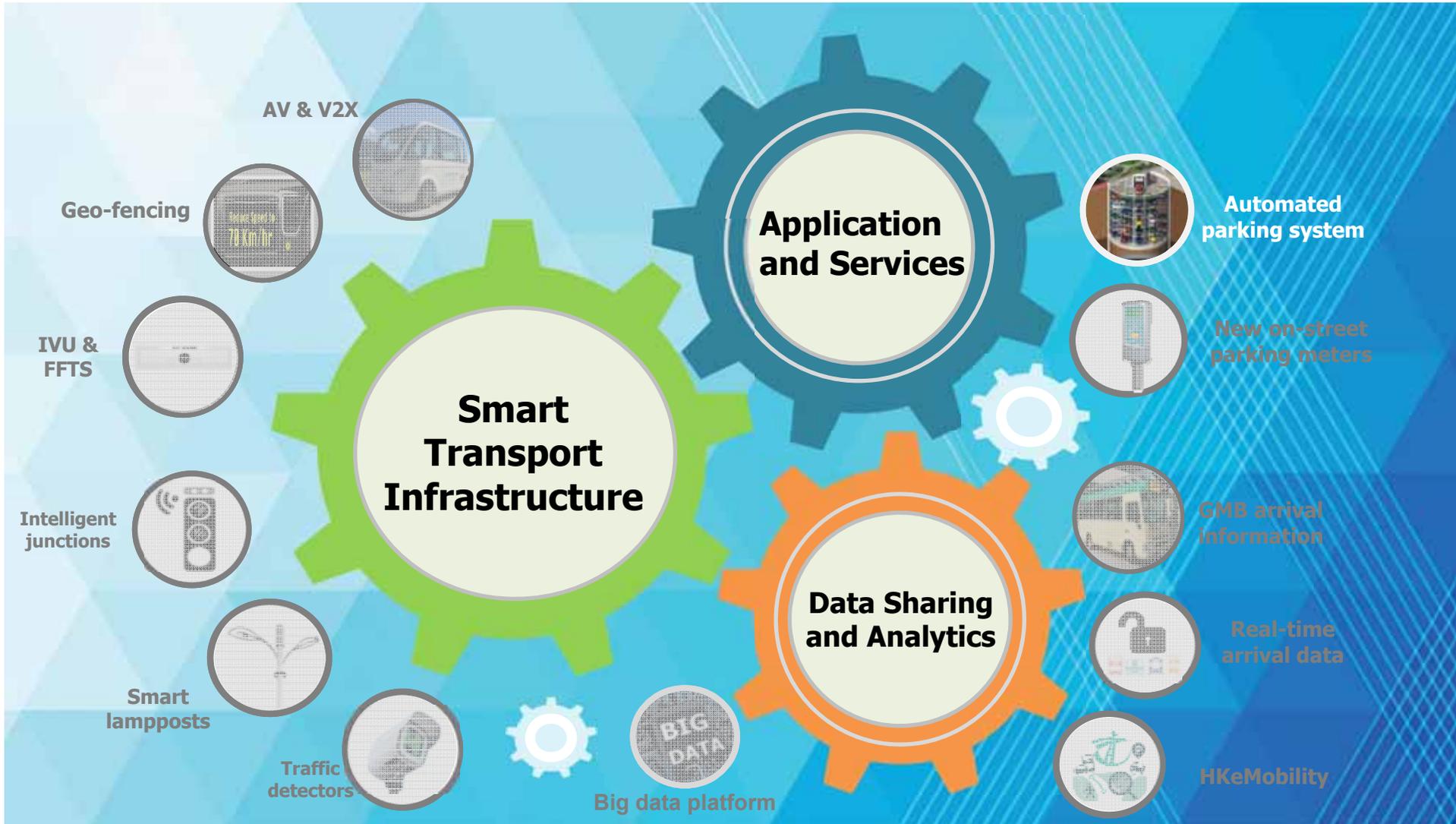
HKEMobility



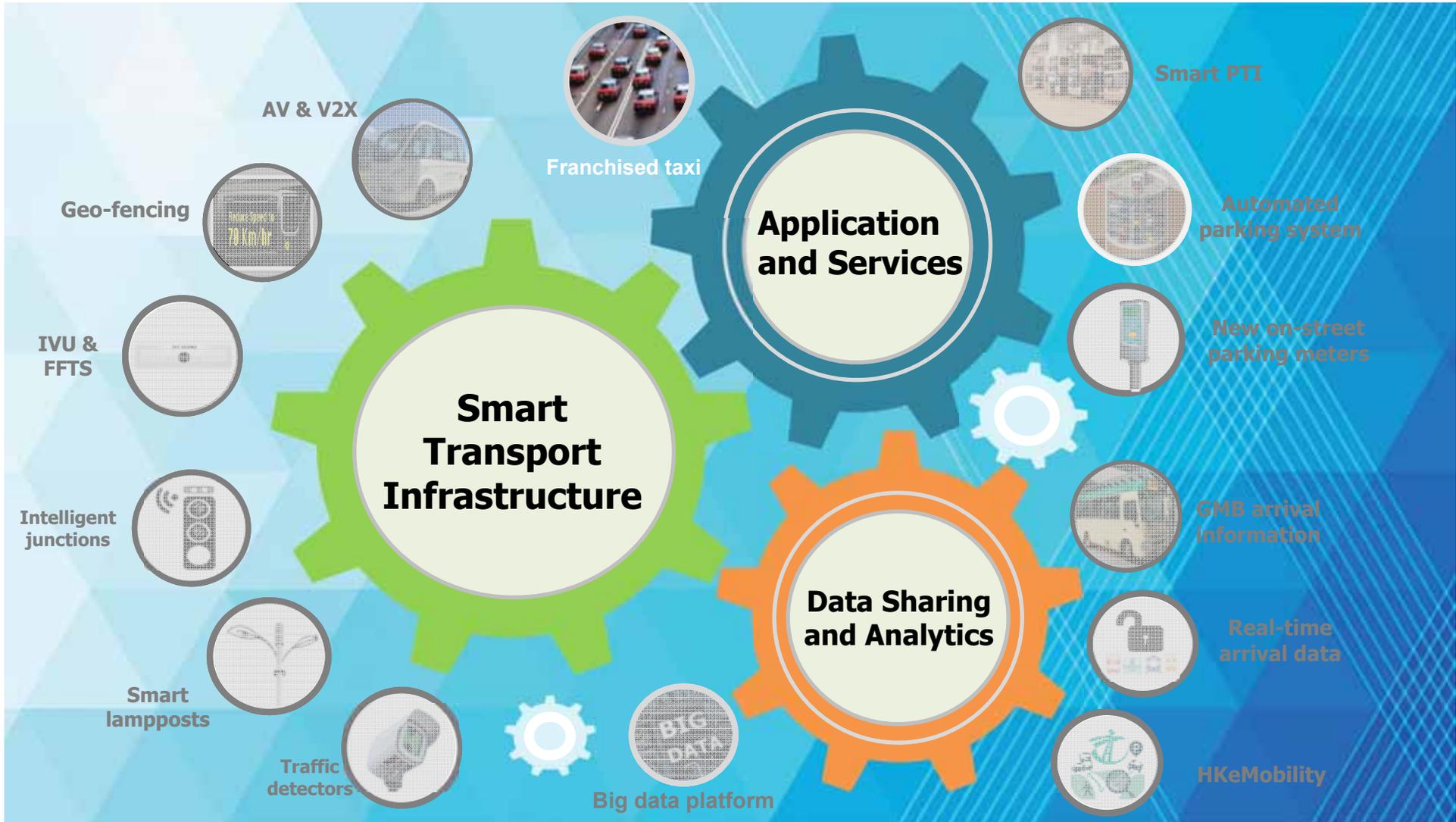


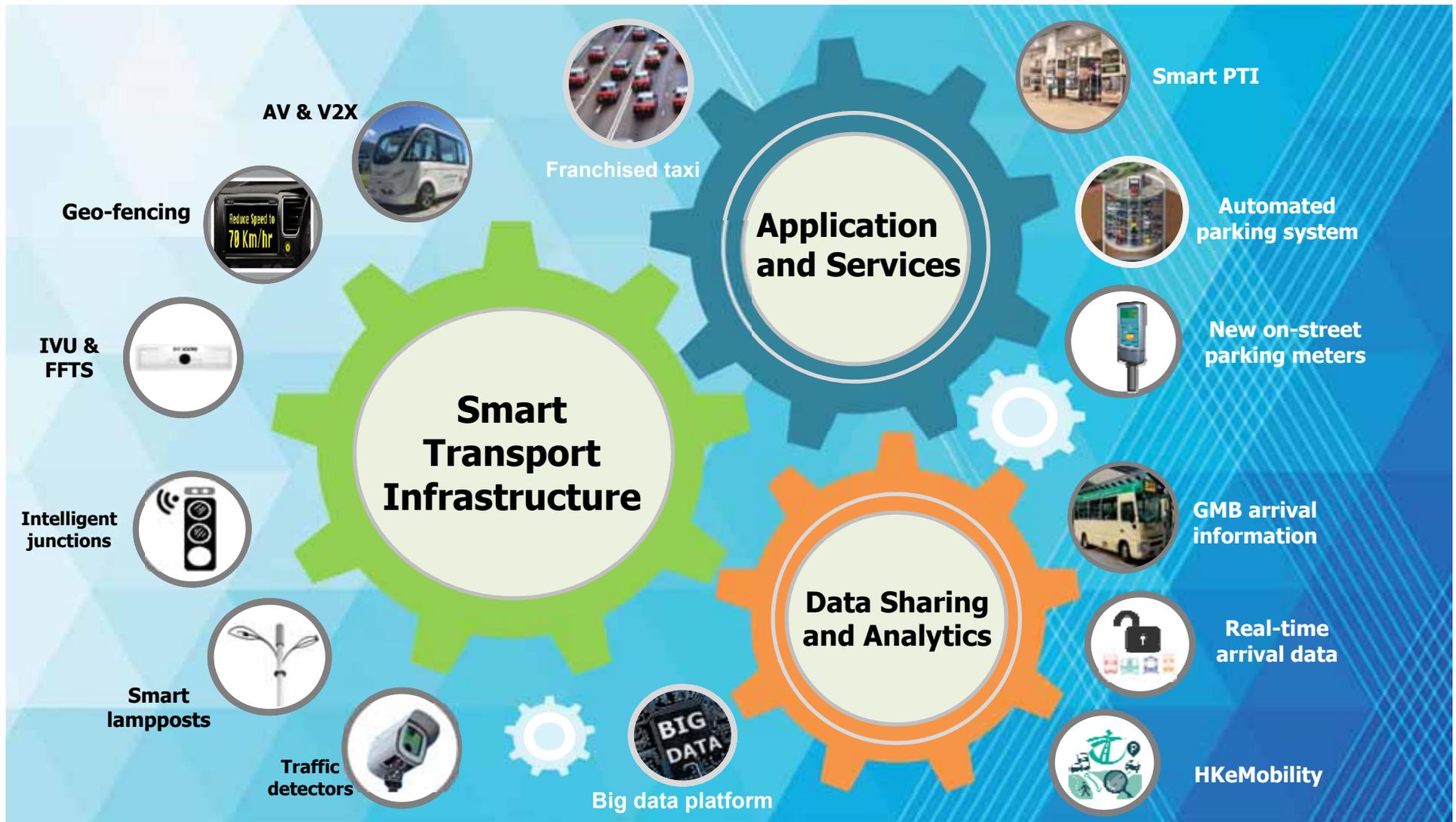












AV & V2X

Geo-fencing

IVU & FFTS

Intelligent junctions

Smart lampposts

Traffic detectors

Franchised taxi

Application and Services

Smart PTI

Automated parking system

New on-street parking meters

Smart Transport Infrastructure

Data Sharing and Analytics

GMB arrival information

Real-time arrival data

Big data platform

HKeMobility

Big Data Platform



Gateway



Cloud Integration

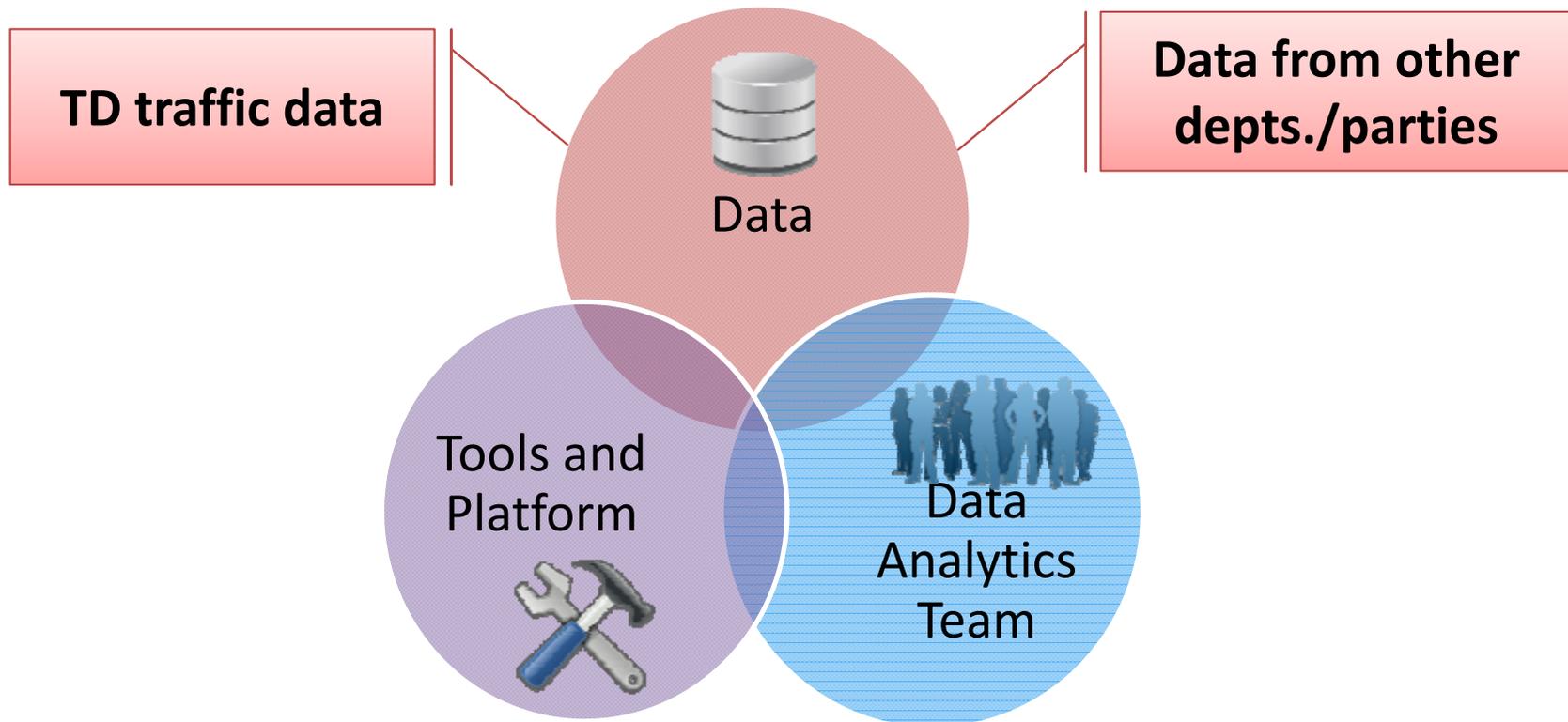


Mobile Apps



Data Analytics

Big data analysis



Way Forward

- Implementation of Smart Mobility initiatives
 - TD
 - Academic institutions
 - Research and development centres
 - Industry





Thank you

