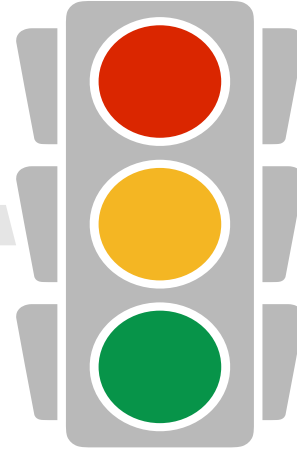


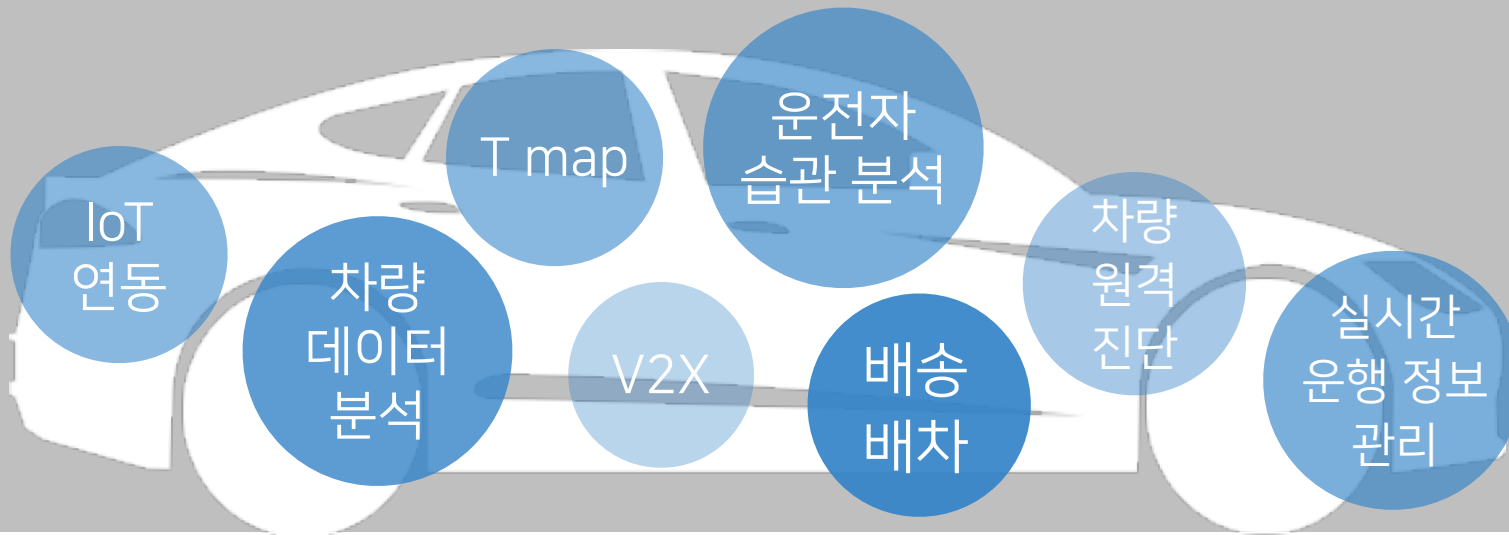
# Smart [Fleet] Platform

Vehicle Tech Lab | Network R&D Center  
SK Telecom

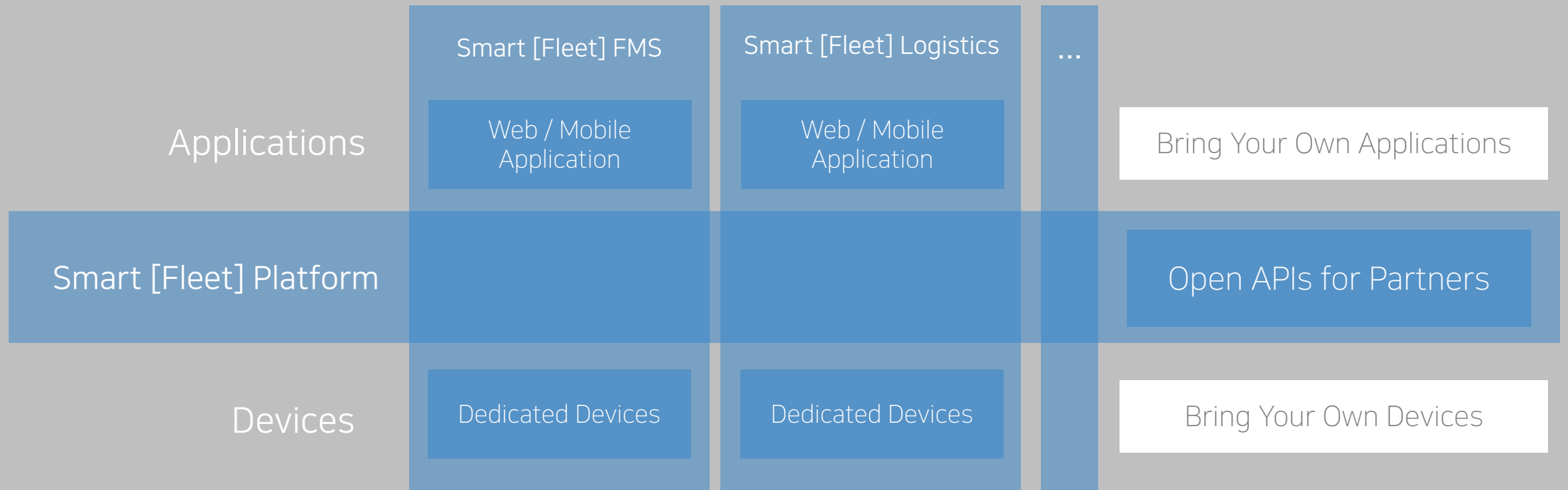


## 차량 관리의 스마트한 방법, Smart [Fleet]

Smart [Fleet] Platform  
Smart [Fleet] FMS  
Smart [Fleet] Logistics  
...



SKT 솔루션 뿐만 아니라 개방을 통한 협력과 상생

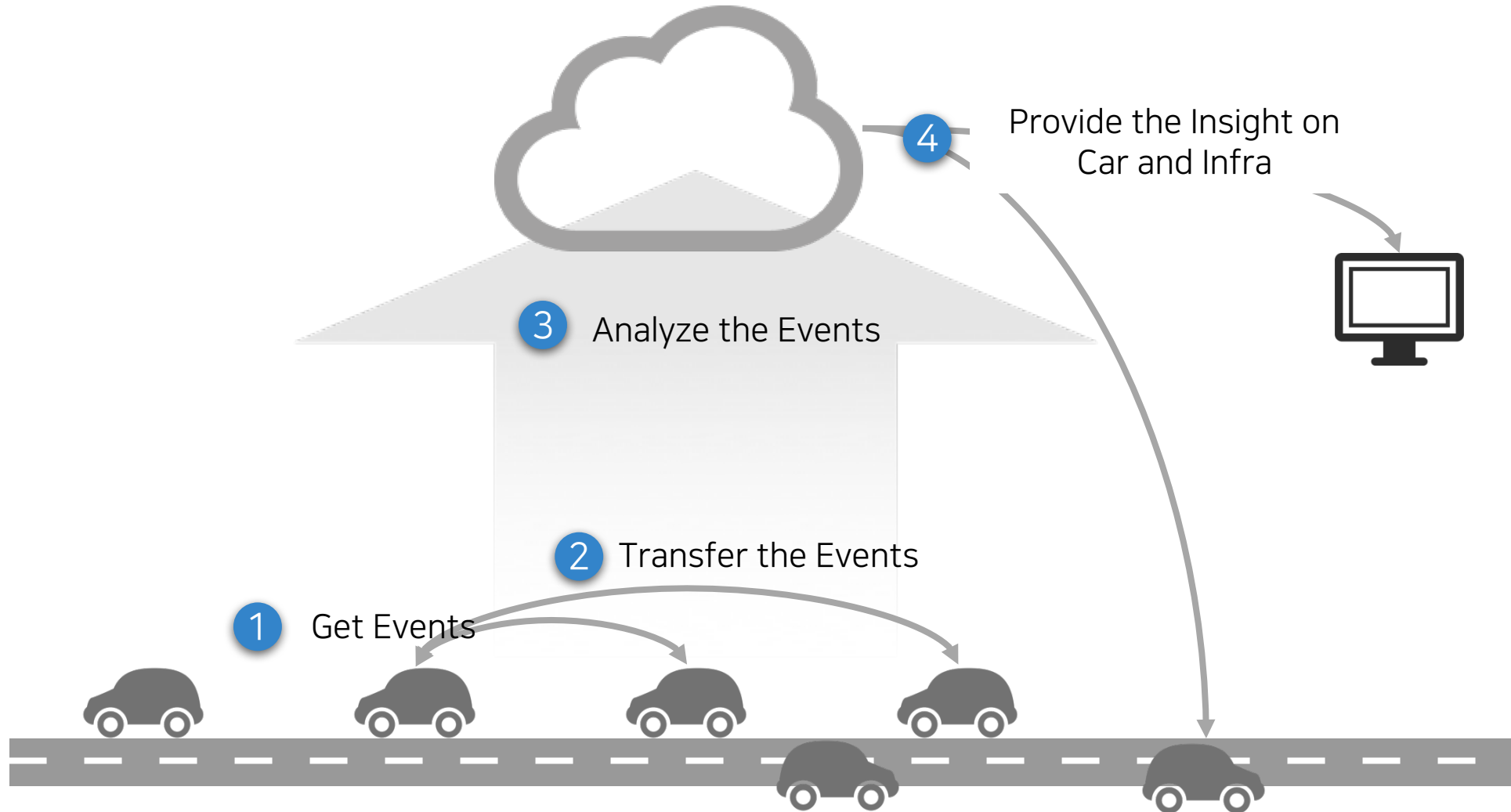


Designed and operated by SKT

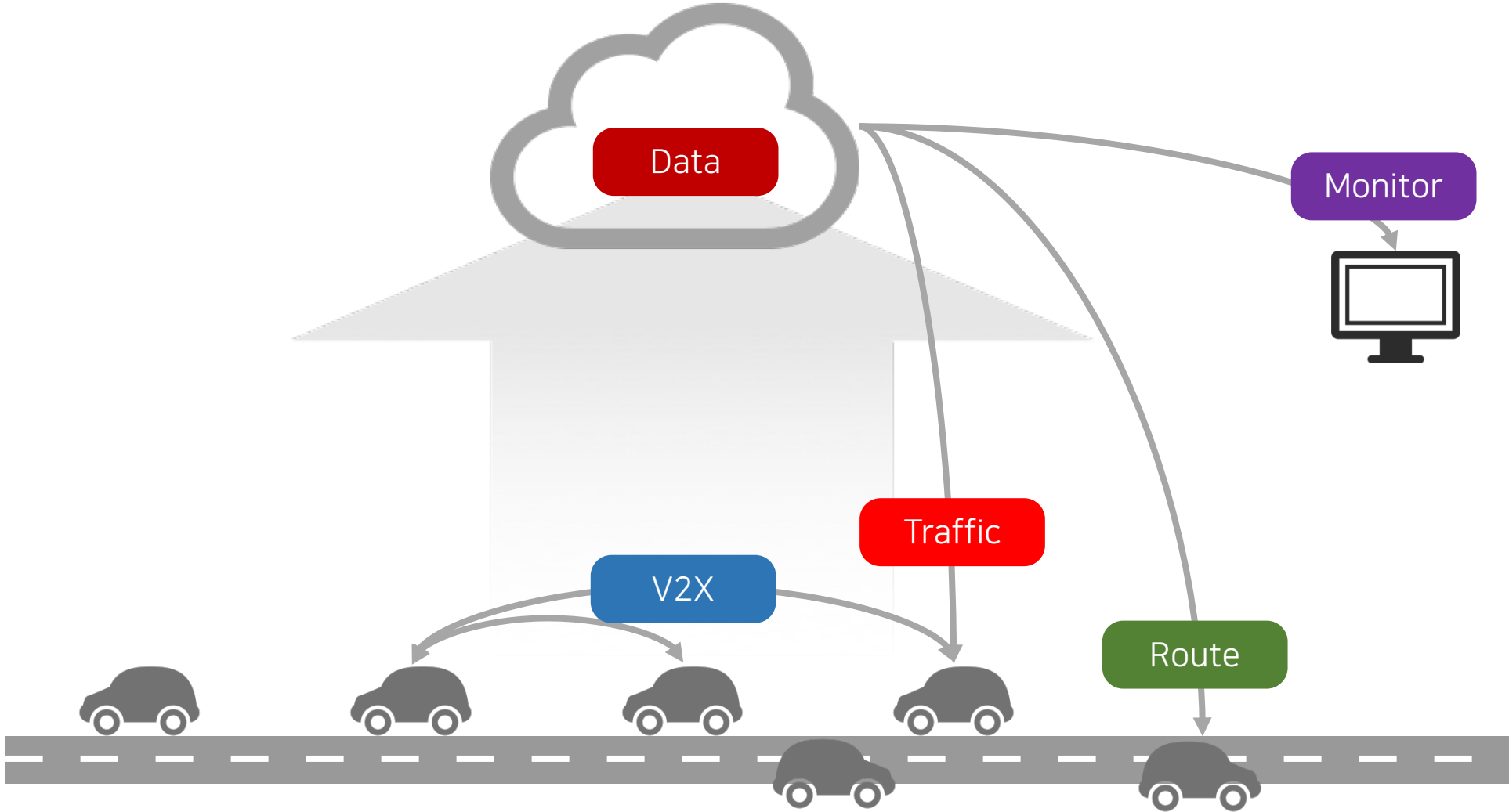


Designed and operated by Partners

## | Questions on Connected Car

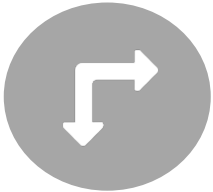


| Questions on Connected Car





차량 관제



배송 최적화



산업 특화 관제



안전 운행 지원



차량 원격 진단

Smart [Fleet] Platform

Monitor

Route

V2X

Data

Traffic

4G



OBD

5G



ADAS

LPWA LoRa, LTE-M, LTE-M1



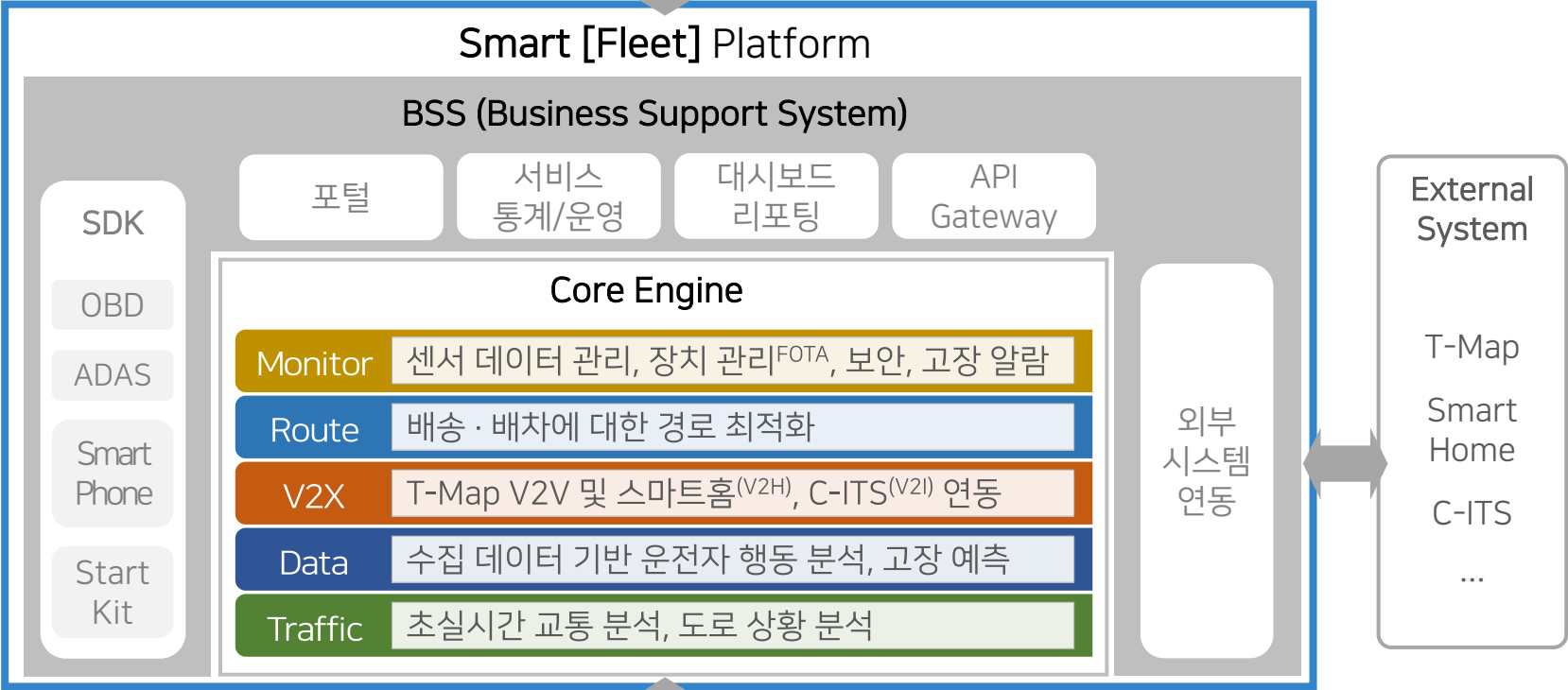
GPS

# | Platform Functional Architecture

Applications

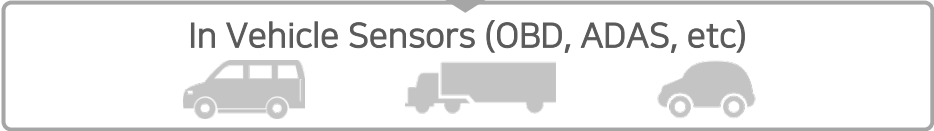


Platform



\* 일부 Engine은 개발 중

Devices



# | Features



## Just for Connected Car

커넥티드카 시장의 요구에 맞도록 설계된  
유연한 데이터 구조



Easy out, Complex in

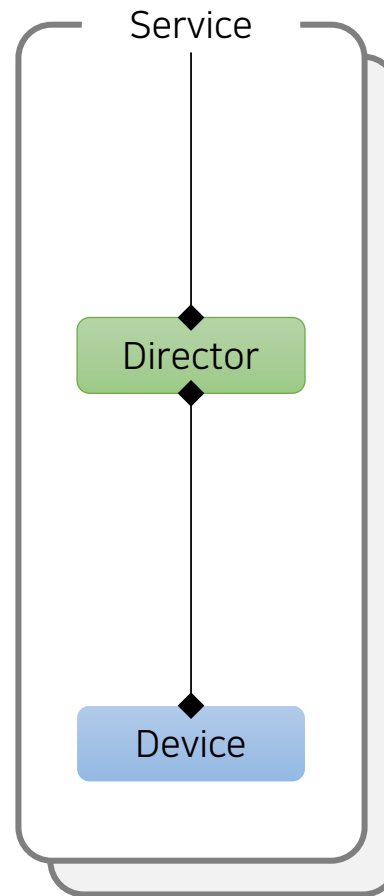


Useful APIs for Applications

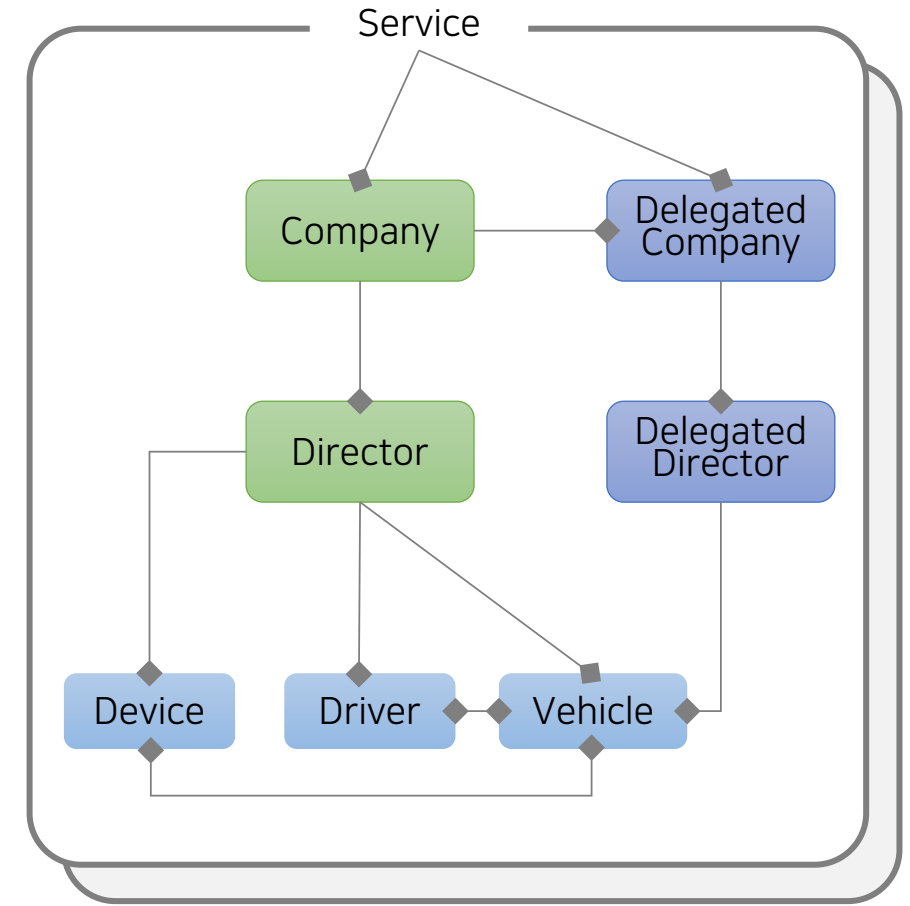


Security First

## Common IoT Platform



## Smart[Fleet] Platform



— one-to-one —◆ one-to-many ◆—◆ many-to-many



# | Features



Just for Connected Car



Easy out, Complex in

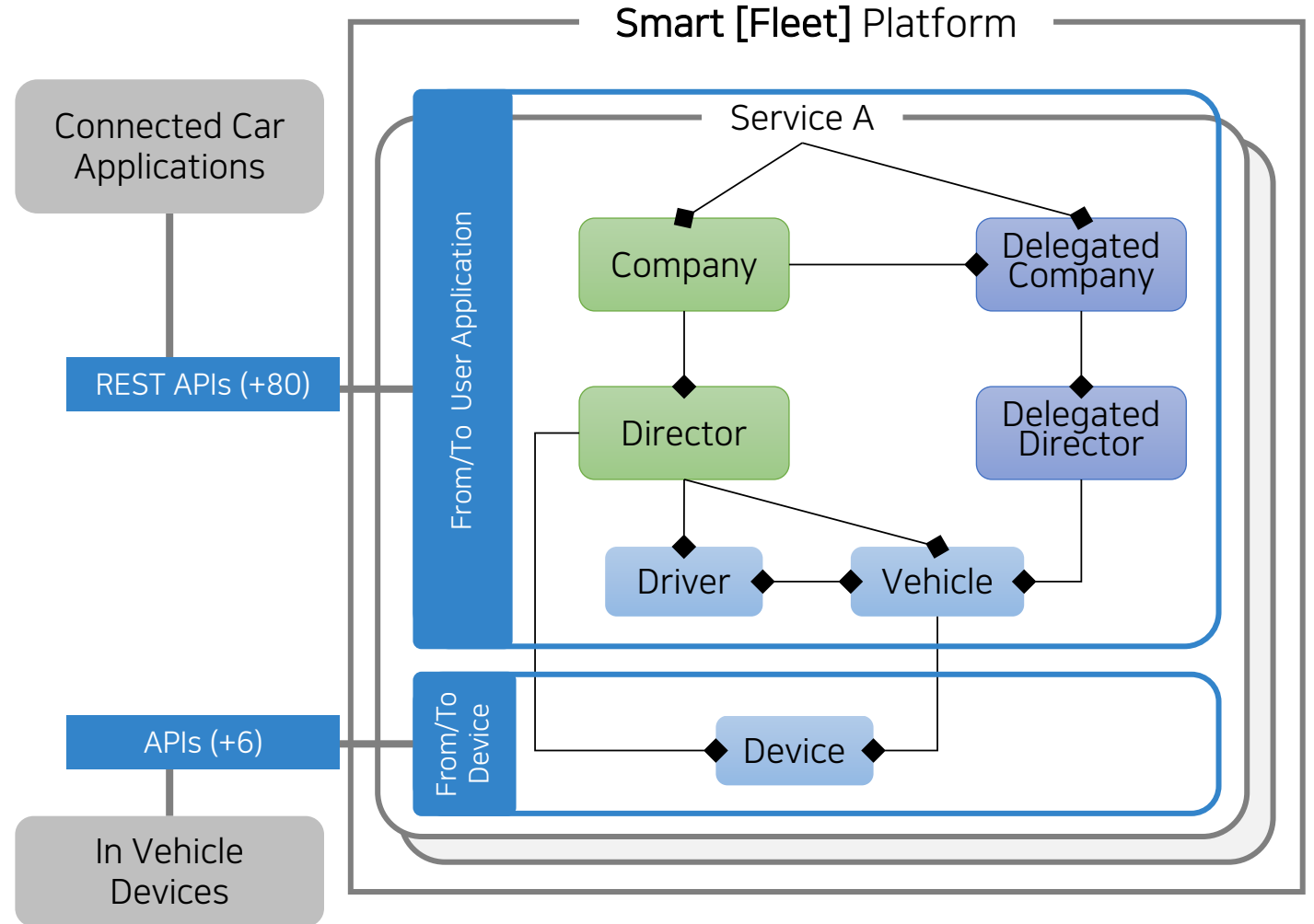
단말과 API는 쉽게,  
복잡한 분석이나 제어는 플랫폼이



Useful APIs for Applications



Security First



# | Features



Just for Connected Car



Easy out, Complex in



Useful APIs for Applications

커넥티드카 솔루션에 필요한 90 가지  
이상의 다양한 기능을 REST API로 제공



Security First

## Smart [Fleet] Platform



차량 등록 · 관리



운행 관리

사고, 운전 습관 분석



차량 진단

DTC, 예측 정비



정비 이력 관리



센서 관리

FOTA, 원격 제어 등



배송 · 배차 관리



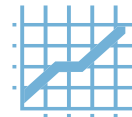
서비스 연동

권한 위임, 관리



리포팅

빅데이터 통계/분석



실시간 교통



V2X



외부 연동

T map, 스마트홈 등



대시보드 · 포털

\* 일부 API는 개발 중

# | Features



Just for Connected Car



Easy out, Complex in



Useful APIs for Applications



**Security First**

단말부터 플랫폼의 데이터 보안까지  
빈틈 없이 관리

## Smart [Fleet] Platform



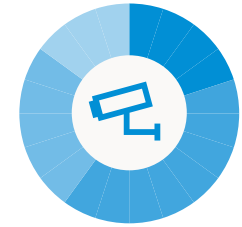
**단말 보안 강화**

- PKI-based Mutual Authentication
- Secureboot
- Secure Key Storage
- Secure F/W



**전송 보안**

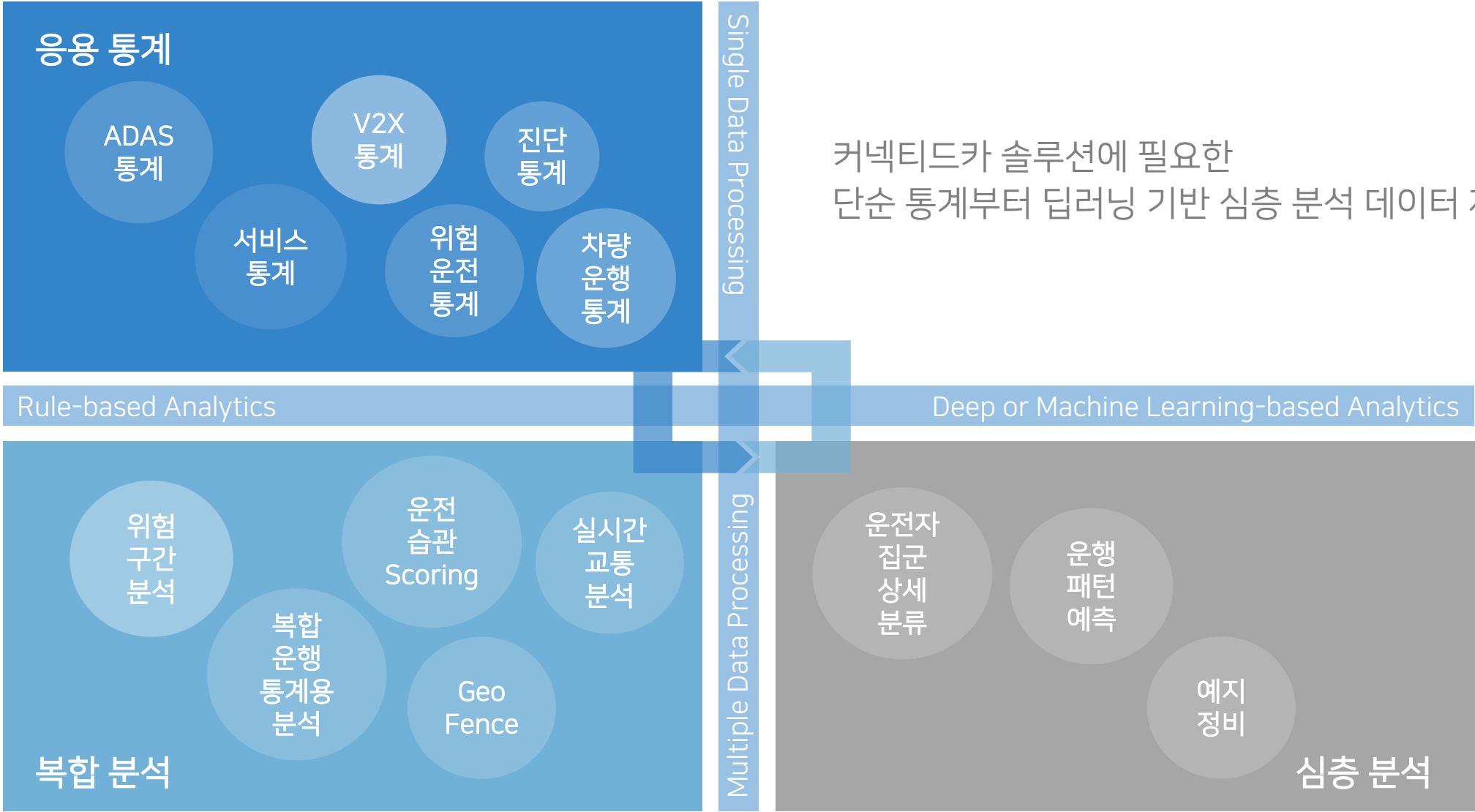
- HTTP, MQTT over TLS 1.2
- Access Control based on JWT Token



**서버 보안**

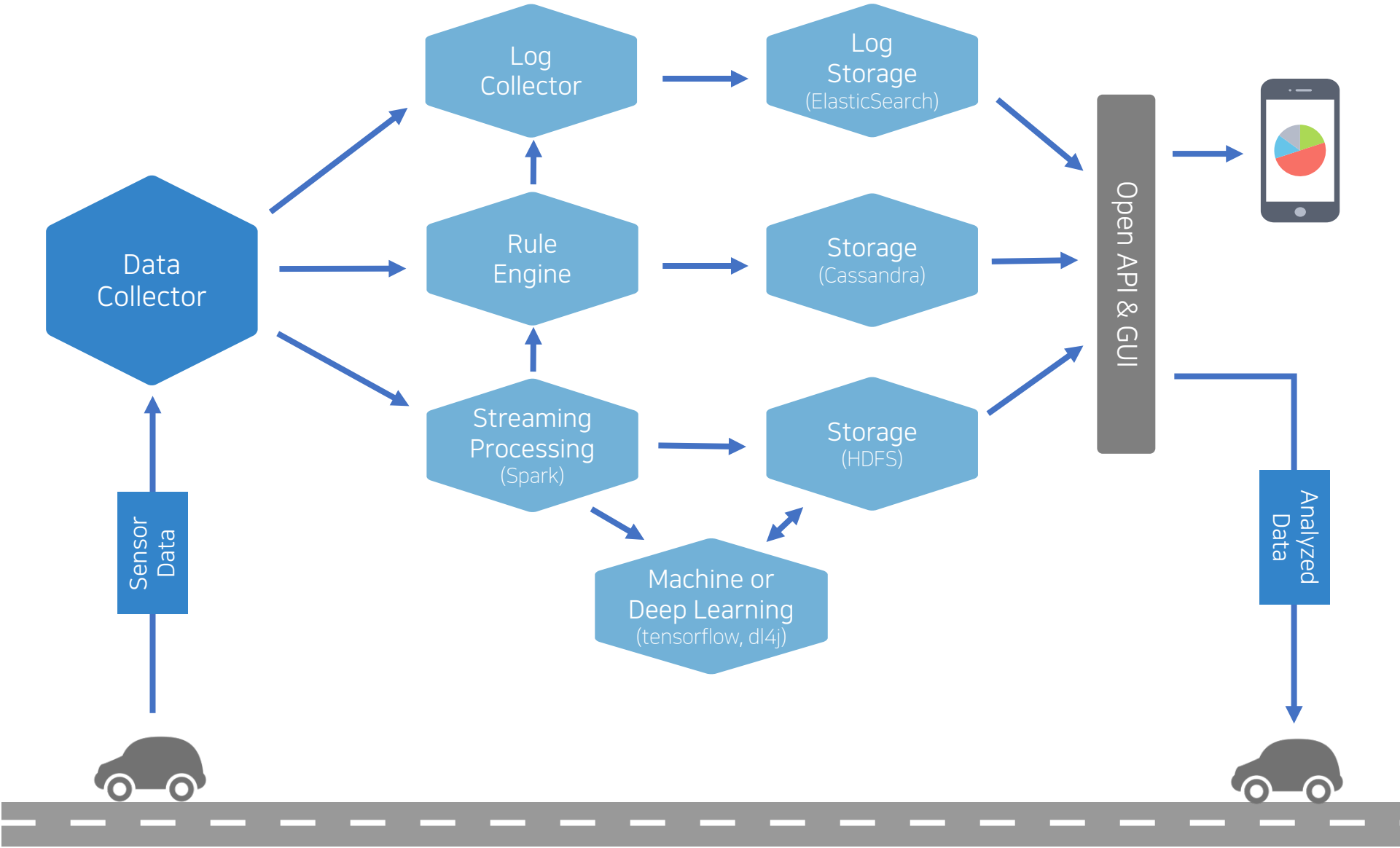
- 3-Tier Server Architecture
- Database Security
- Privacy Control

| Data Analytics for Connected Car



\* 일부 Engine은 개발 중

# | Data Analytics for Connected Car



Any Questions?

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Github : <https://github.com/skt-smartfleet>

WebDoc : <http://smart-fleet-docs.readthedocs.io/ko/latest/>

Portal : <https://smartfleet.sktelecom.com>

