

# High-performance auxiliary power supply system for EPS

" LIC" is a registered trademark of SUBARU Corporation

## Aim

- ✓ Highly functional electric power steering (EPS) ⇒ Automatic operation (machine) / Contribution to xEV
- Auxiliary power systems provide the following functions

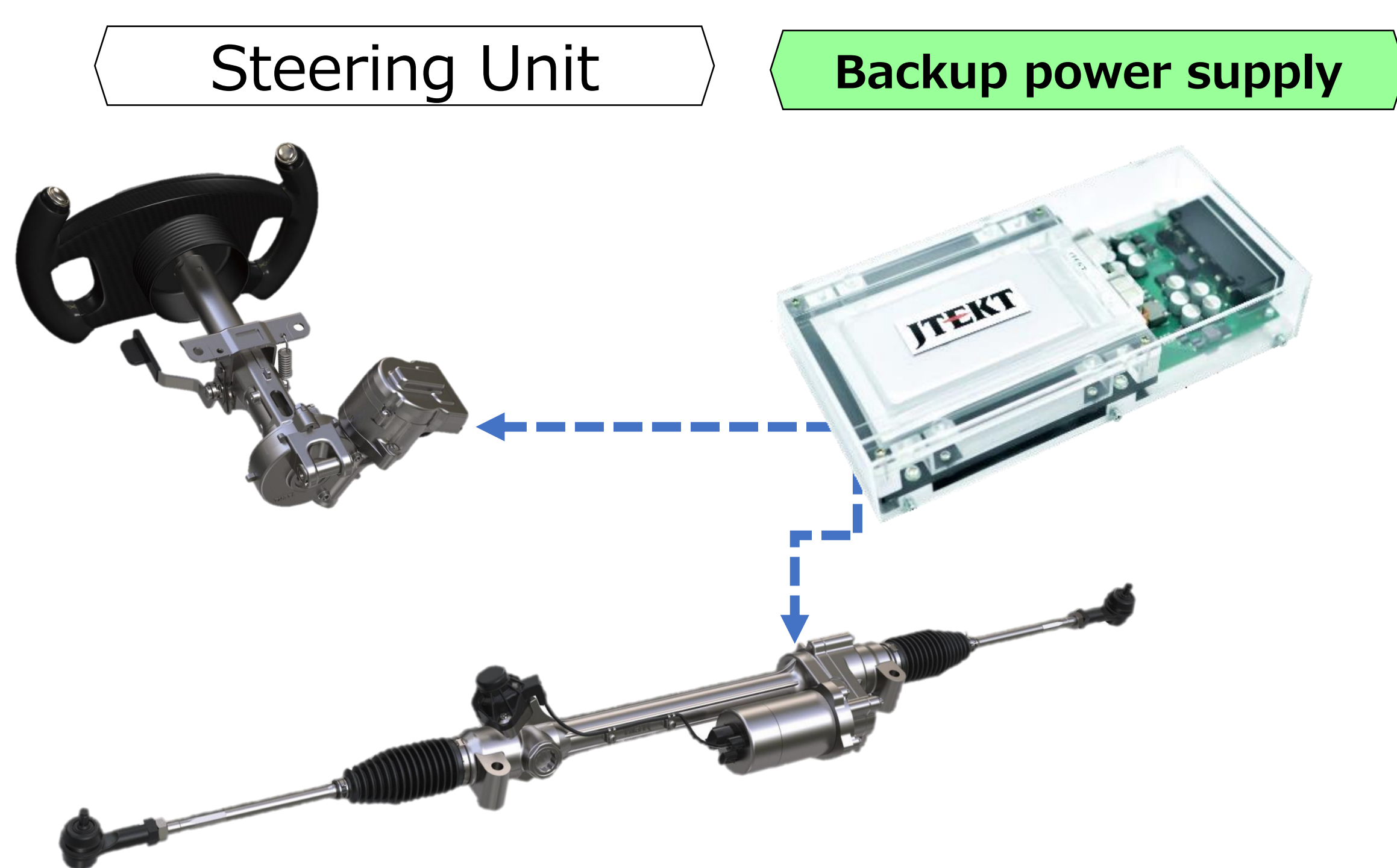
No	Functions	Development Aims	Merit to EPS
①	Power backup	Prevention of sudden torque change during power failure	Support for advanced automated driving systems
②	Higher output	Power assist during power shortages	Electrification of heavy-duty and EV vehicles
③	Voltage compensation	Suppresses voltage drops at high output	

## Structure/Features

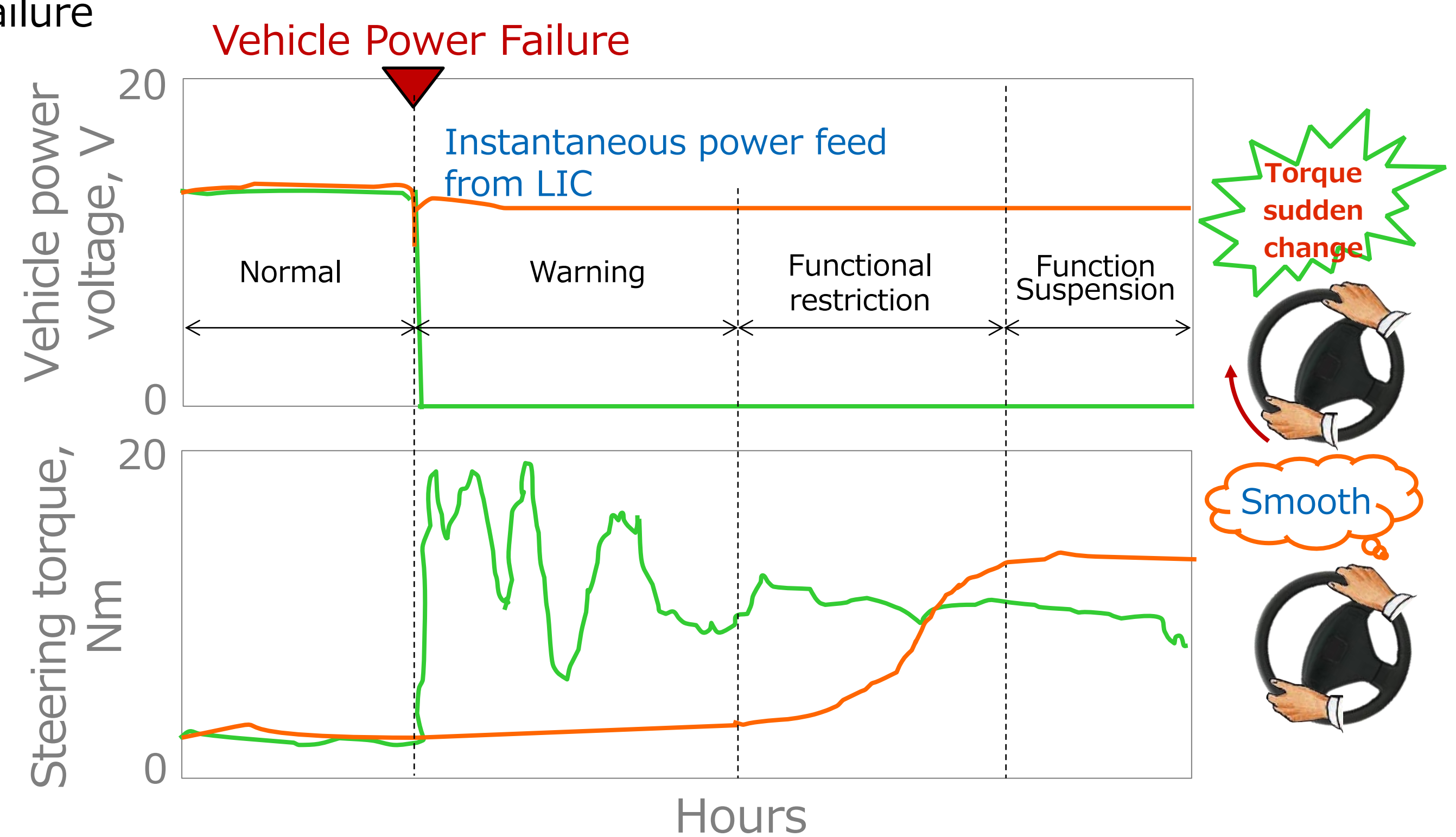
### Adopted as a backup power supply for steer-by-wire

#### <System configuration>

Supplies power from backup power supply in the event of power failure

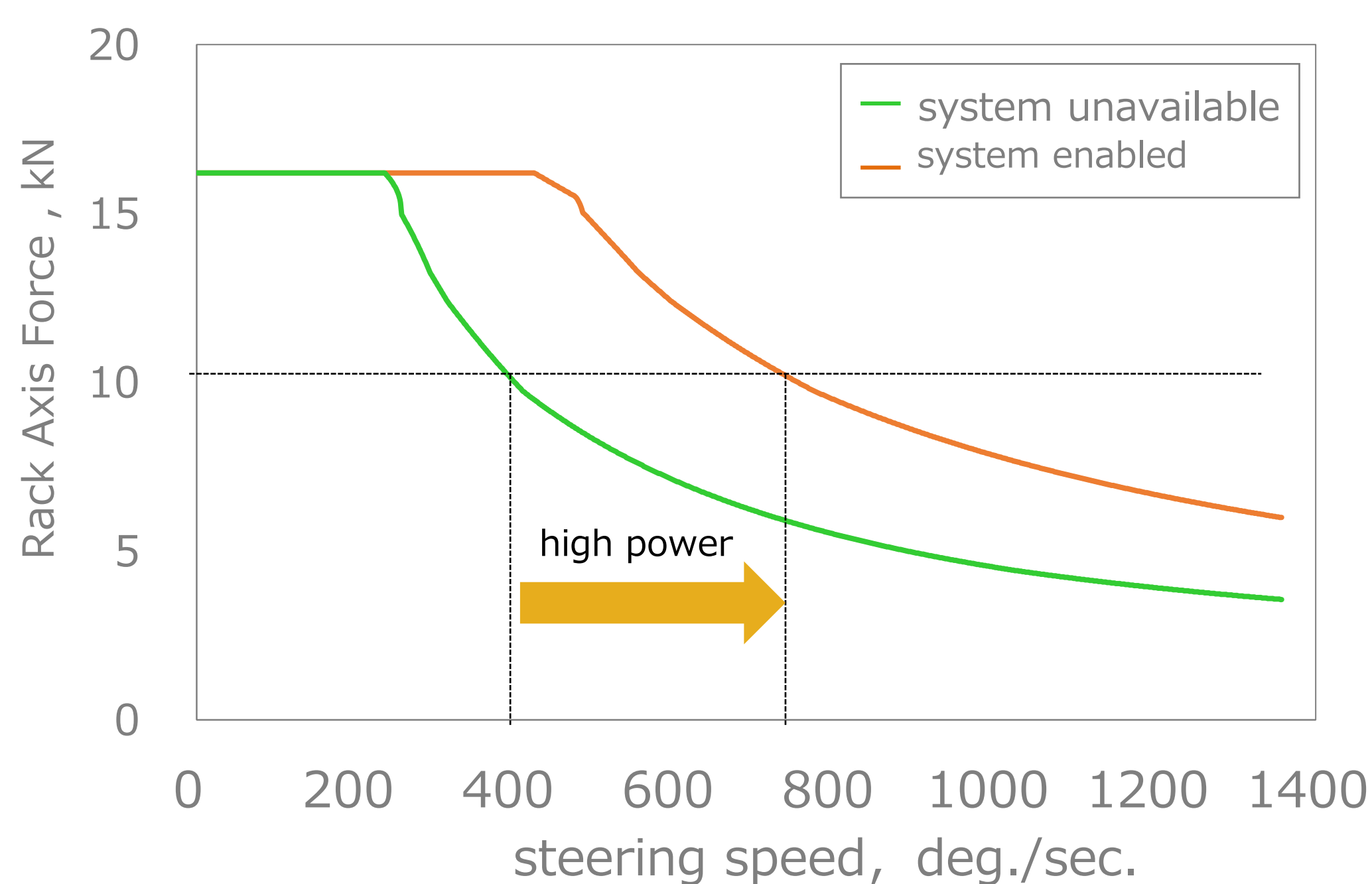


#### <① Power backup>



Safety in case of power failure

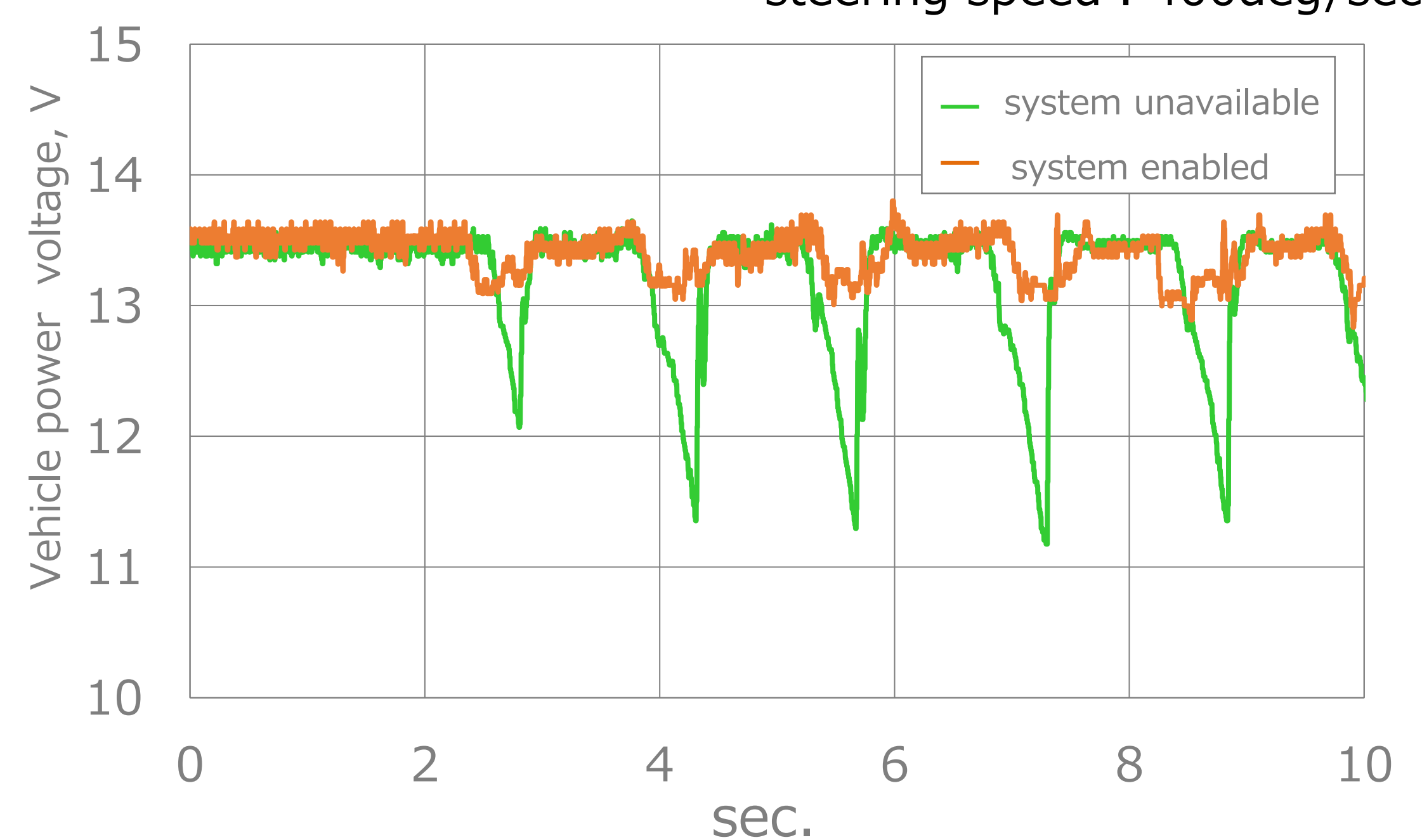
#### <② Higher output>



Improved steering response

#### <③ Voltage compensation>

steering speed : 400deg/sec.



Reduce load on vehicle power supply

## Applications

- ① Power backup : Advanced automatic driving systems, various by-wire systems, etc.
- ② Higher output : Large vehicles, xEV vehicles, AGVs, drones, robots, etc.
- ③ Voltage compensation : Idling stop system, etc.

Please feel free to contact us for more info. on how to utilize our system