

High-performance auxiliary power supply system for EPS

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Aim

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

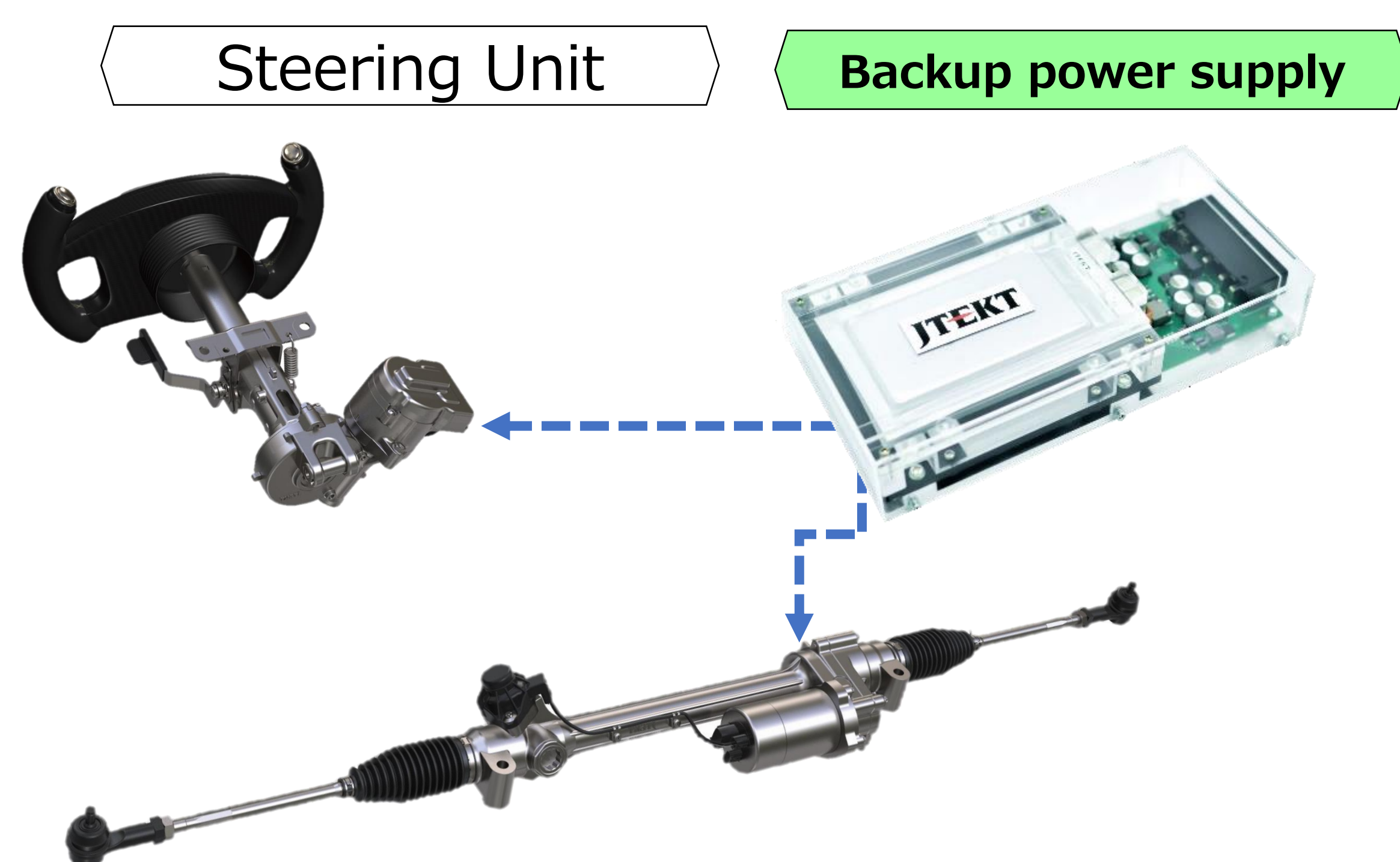
No	Functions	Development Aims	Merit to EPS
①	Power backup	Prevention of sudden torque change during power failure	Support for advanced automated driving systems
②	Higher output	Power assist during power shortages	Electrification of heavy-duty and EV vehicles
③	Voltage compensation	Suppresses voltage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

Structure/Features

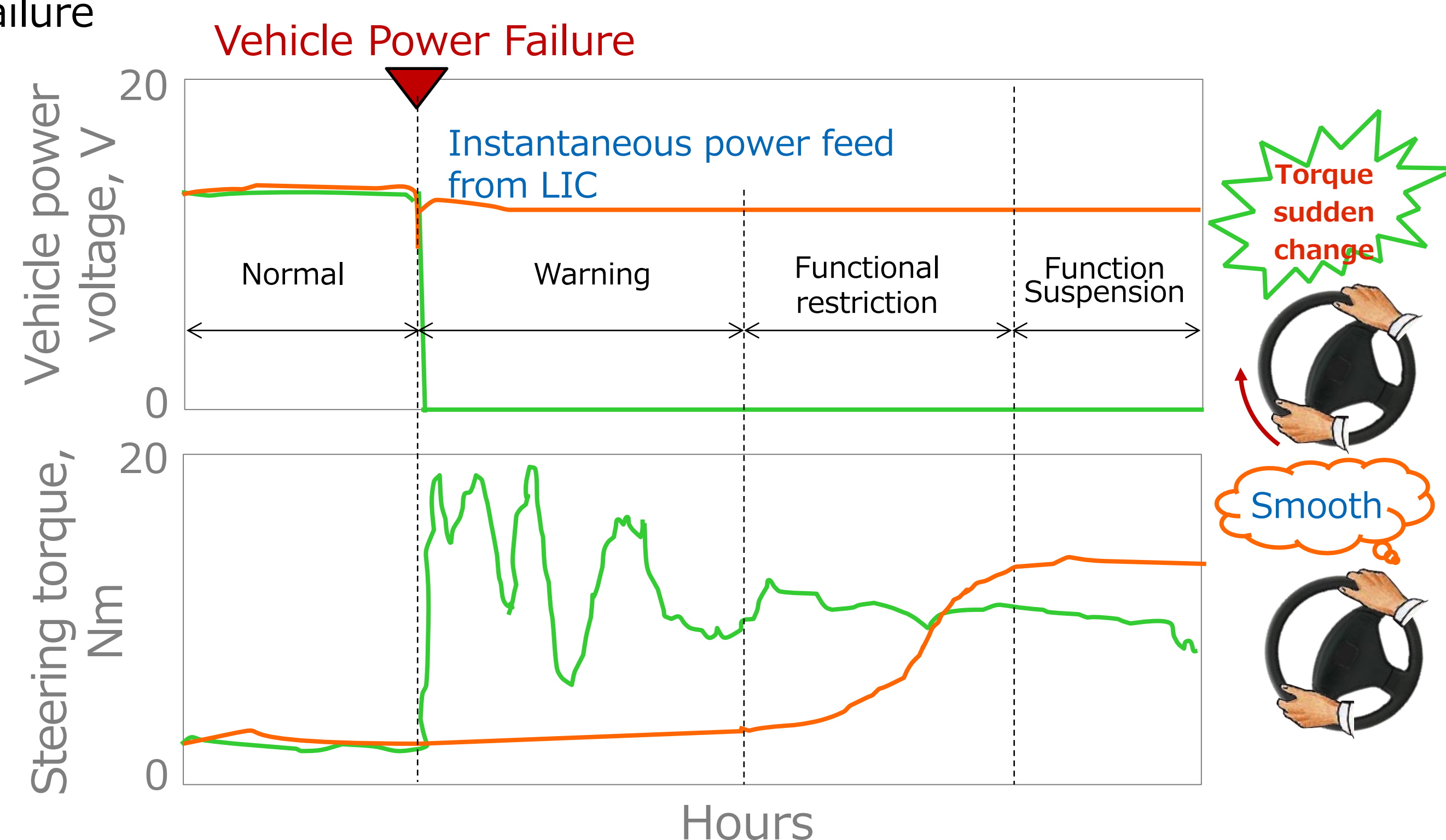
Adopted as a backup power supply for steer-by-wire

<System configuration>

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

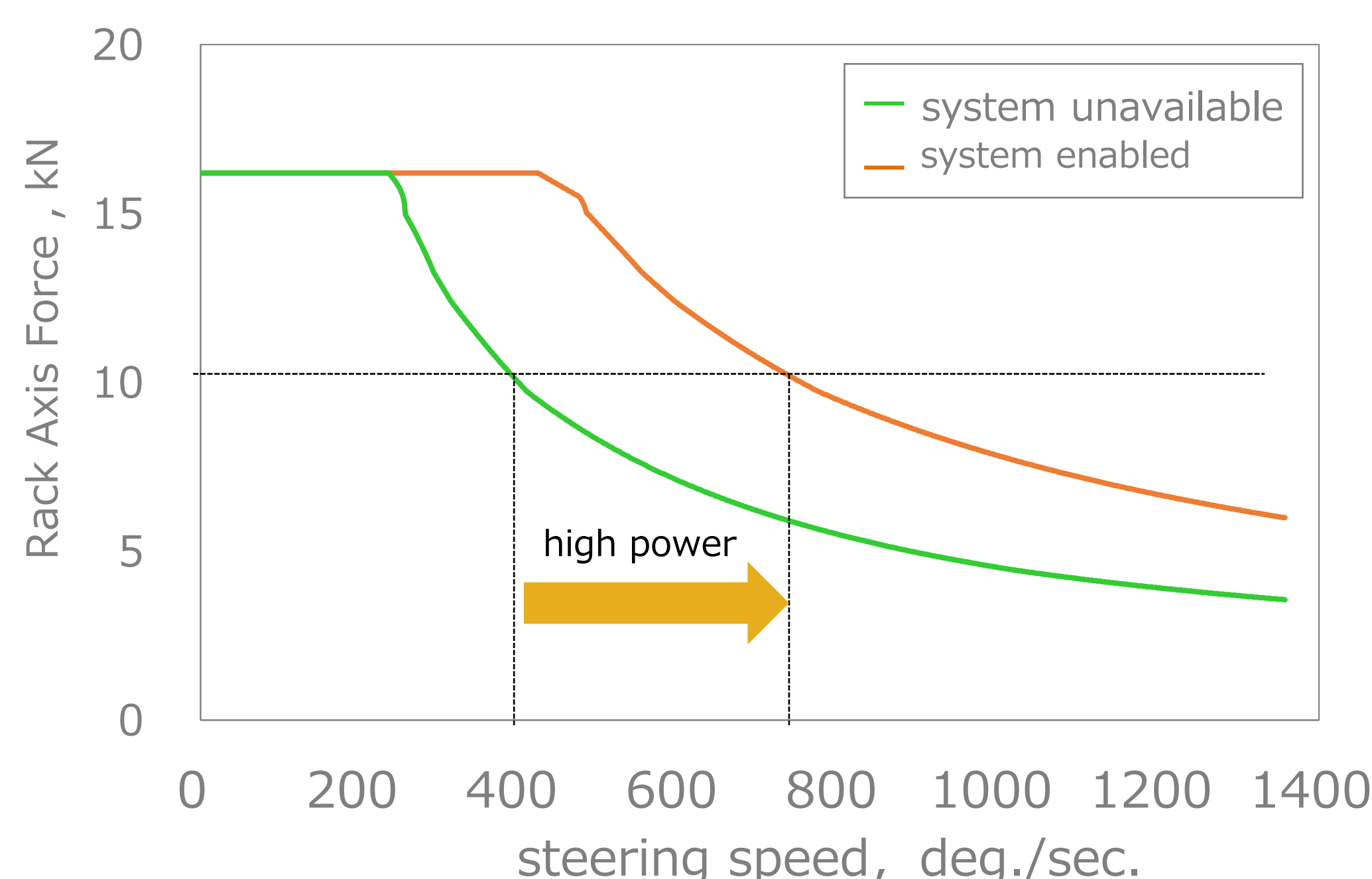


<①Power backup>



Safety in case of power failure

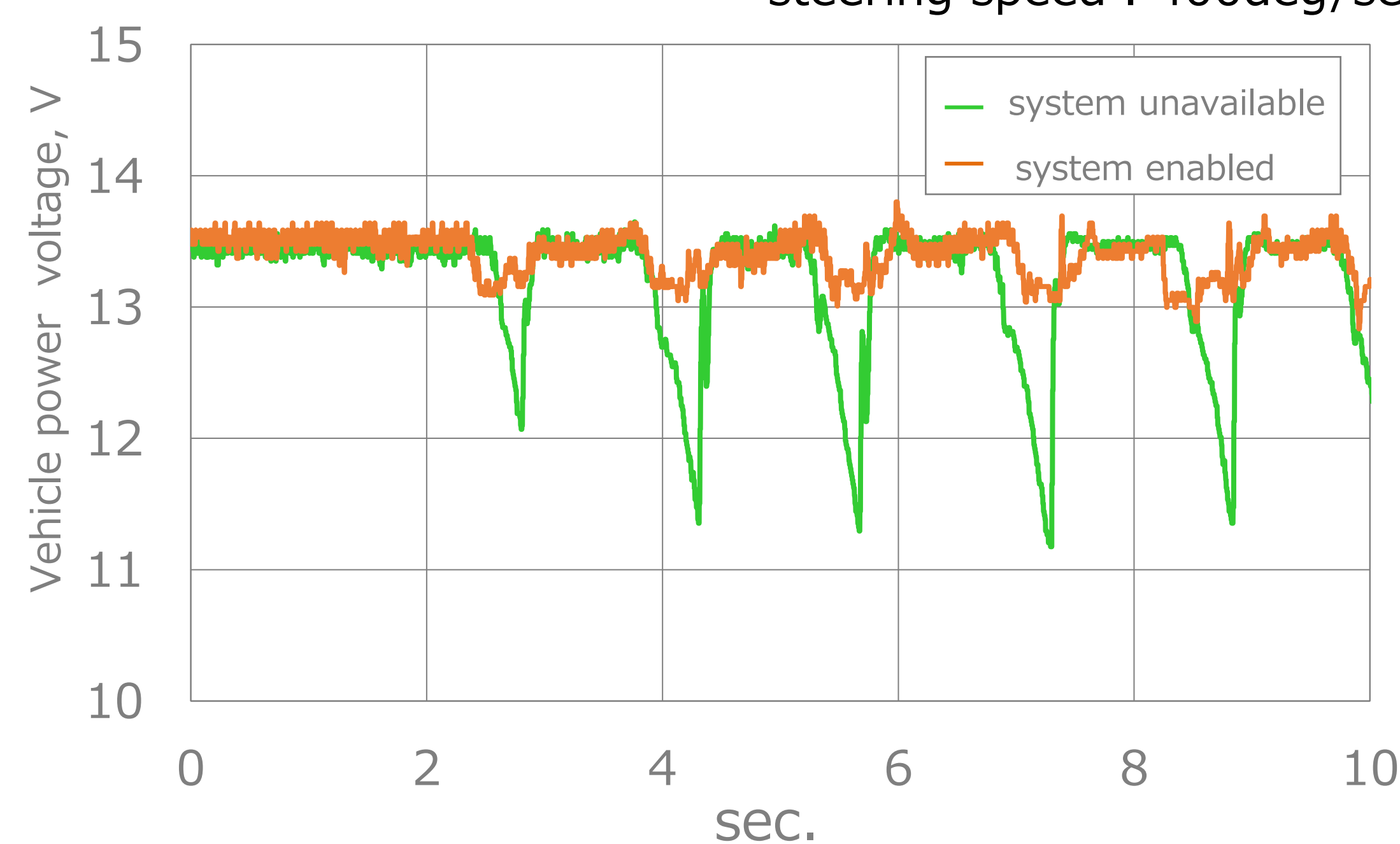
<②Higher output>



Improved steering response

<③Voltage 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