POWER INFRASTRUCTURE

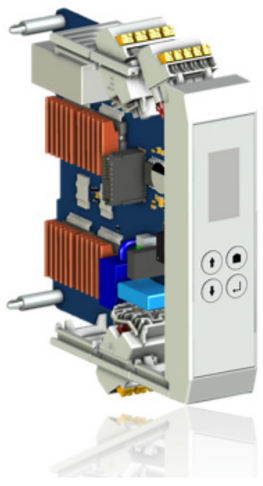
Power distribution protection & SSCB – Fast, safe, robust

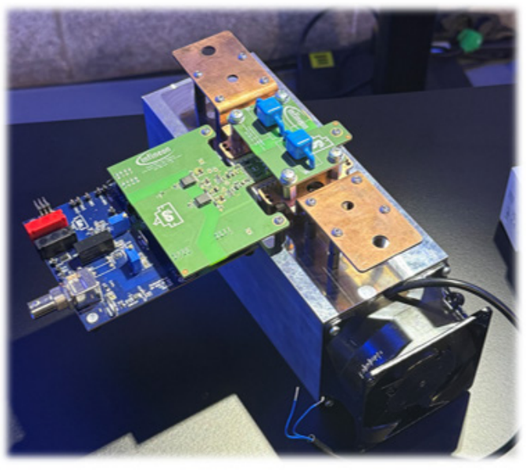
We develop semiconductor solutions for power distribution protection applications. This includes the development of very low ohmic SiC JFET technology for solid-state circuit breaker (SSCB) applications. Our solid-state protection ecosystem supports applications from 120 V AC / 20 A to 1500 V DC / 2 kA, with fast current sensors, SiC gate drivers, and MCUs.

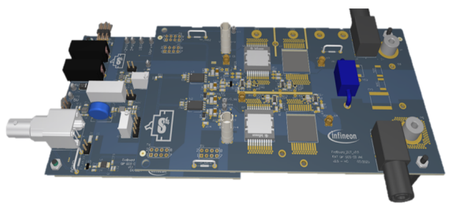
Benefits
- Improved tripping characteristics
- Arc-free operation
- Smartness and connectivity

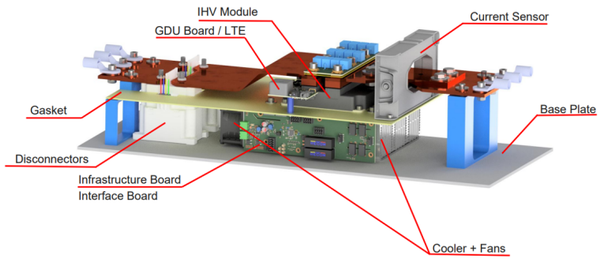
Highlight products
- SiC JFET discretes
- SiC JFET medium and high-power modules
- TMR, Hall, Hall plus coil current sensors
- Gate drive devices for SSCB applications

Applications
- DC grids (data centers)
- Motor starters / protection
- AC and DC SSCBs
- eFuses and hot-swap controls
- Electric vertical take-off and landing (eVTOL) and space applications









Scan for more information