

DEVELOPMENT ROADMAP OF NON-SF6 SOLUTIONS

For decades, SF6 gas has been the standard for insulating high voltage dead-tank circuit breakers and switchgear. Even though Mitsubishi Electric has focused on developing equipment that does not allow for SF6 gas leaks into the atmosphere, there is a realization that the mere use of such gases can have an impact on the global environment. As such, Mitsubishi Electric is on a path to eliminate SF6 gas in switching equipment for high voltage applications that has zero impact on our environment. This graphic illustrates the current development cycle as we continue on this journey together with our customers.

Non-SF6 Switchgear
utilizing Vacuum Interrupter
and Dry-air insulation
technology

ecological-Dry-air Insulated Switchgear (e-DIS)

Dead Tank Vacuum Circuit Breaker (DT VCB)

2022

72.5kV

2023

145kV

2024

245kV/
170kV

2025

72.5kV

2026

145kV

2027

245kV/
170kV

2028

362kV

2029

550kV

550kV/
420kV

2030

