



GE Renewable Energy
Grid Solutions



g^3 is a revolutionary gas for the electrical transmission industry, offering the same technical performance as SF_6 with a **global warming potential reduced by more than 99%**

g^3 MULTIPLE BENEFITS

Applied to HV Switchgear, the g^3 gas Global Warming Potential (GWP) is more than 99% lower compared to SF_6 . In other words, the **residual gas GWP is less than 1% of that of SF_6**

The environmental benefits of g^3 are not limited to global warming mitigation. A Life Cycle Assessment (LCA) demonstrates that using **g^3 improves all the environmental indicators** compared to SF_6



g^3 products feature the **same performance and dimensions** as SF_6 products



Utilities can **adopt best practices** in terms of environment sustainability



Utilities may qualify for **tax reduction or incentives** related to greenhouse gas emission reduction

g^3 EXPERIENCE



23 LEADING UTILITIES have decided to use equipment with g^3



1 MILLION+ TONS OF CO_2 EQUIVALENT
To date, g^3 projects have prevented the installation of 1 million+ tons of additional greenhouse gas on electrical grids



✓	g^3 Gas-Insulated Substations 145 kV, -25°C 16 sites - 100+ bays
✓	g^3 Gas-Insulated Substations 420 kV, -25°C 1 site - 9 bays
✓	g^3 Gas-Insulated Lines 420 kV, -25°C/-30°C 8 sites - 5000+ meters
✓	g^3 Live Tank Circuit-Breakers 145 kV, -30°C 5 sites - 14 circuit-breakers

g^3 FULL RANGE READY TOMORROW

TODAY
Available products

Gas-insulated substations



Live-tank circuit breakers



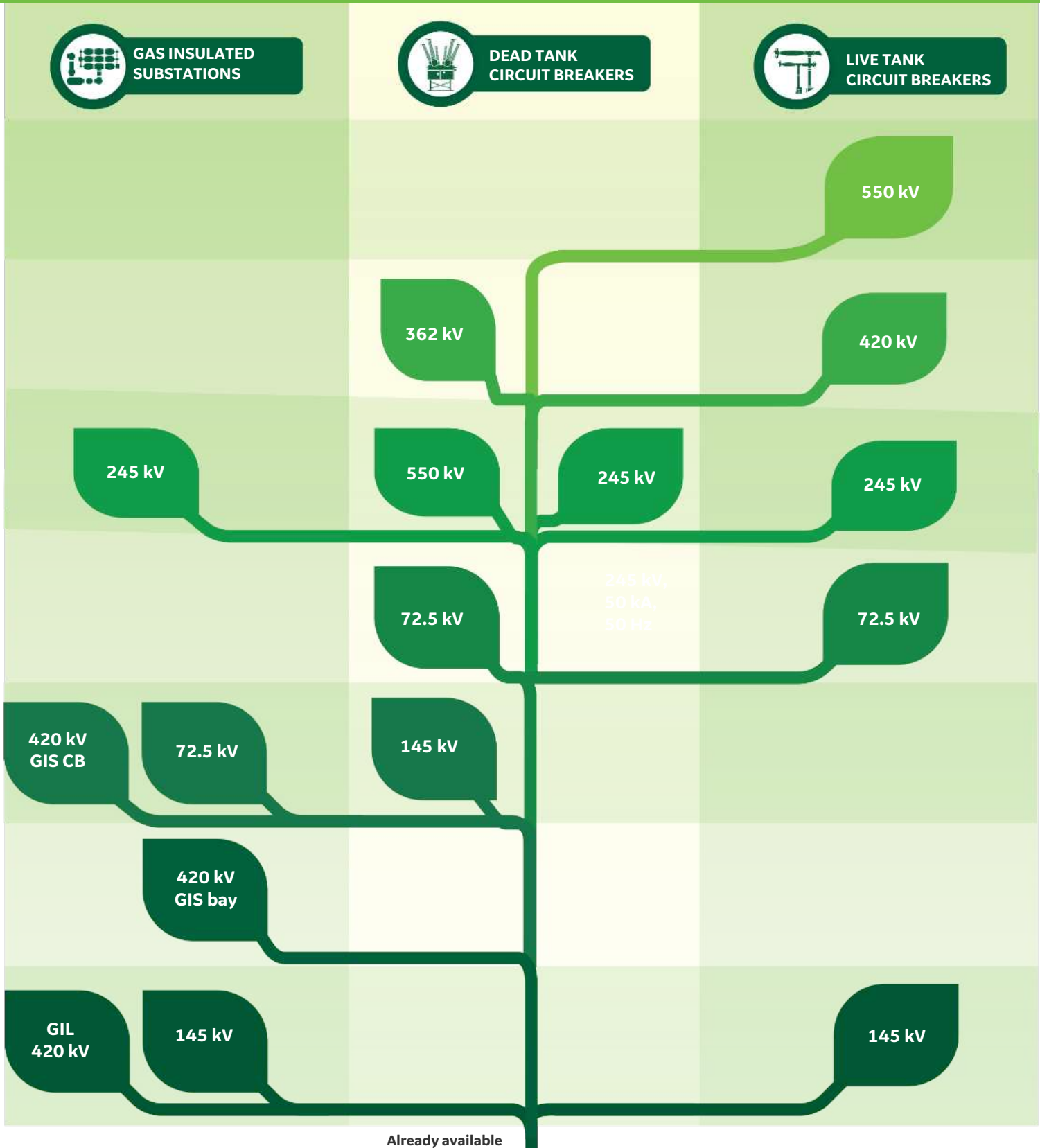
2025
A wide portfolio

GE is committed to enabling a decarbonized energy future and will continue to expand its **g^3 high voltage product portfolio through the decade***

*This roadmap is for forecasting purposes. This roadmap could potentially evolve due to factors including the global market situation and ongoing regulatory updates, which could impact customers opting for SF_6 -free substations.



g³ ROADMAP



Already available