

ABB and UK Power Networks switch to a sustainable future

UK Power Networks has actually commissioned ABB to provide the world's very first 36 kV medium-voltage double busbar AirPlus Gas Insulated Switchgear (GIS).

It includes AirPlus gas, which serves as an insulator in between the electrical contacts with nearly absolutely no international warming effect.

As part of its Environmental Action Plan to hand down a sustainable world for future generations, the UK's most significant electrical energy supplier, UK Power Networks has actually revealed strategies to utilize AirPlus, ABB's ingenious sustainable option to SF₆ switchgear, at its substation in Kent.

As Europe moves towards tighter policy on the conventional gas (SF₆) utilized in switchgear, ABB's AirPlus supplies an engaging eco option. Unlike SF₆, which is a powerful greenhouse gas with an international warming capacity 23,500 times higher than that of co2 (CO₂), ABB's AirPlus gas has practically no international warming effect. It is developed to drive high dependability and meet approaching ecological policies for sections like energies.

Commenting on the setup, Alessandro Palin, President of ABB's Distribution Solutions department described: "As part of our 2030 Sustainability Strategy, ABB is dedicated to assisting clients and providers lower their emissions.



” AirPlus is an essential part of this method, and we are happy to collaborate with energies such as UK Power Networks to make the switch to eco options, that not just supply reputable power however will likewise secure our world. A leader in this field, ABB has actually set up countless SF₆- totally free services worldwide. Moving from SF₆ to an SF₆- complimentary portfolio is an essential turning point towards making it possible for a low carbon society.”

Transitioning to AirPlus will assist UK Power Networks to accomplish its sustainability targets, as it provides the exact same footprint and comparable efficiency as an SF₆ switchgear and runs at lower-tank pressures. The greater the voltages, the greater the pressure in the switchgear, however thanks to AirPlus, ABB’s switchgear can deal with the pressure, having a safe low-pressure style with comparable dielectric insulation advantages and footprint as an SF₆ switchgear.

The double busbar style offers the fringe benefit of dependability by lowering the threat of unexpected down-time and using more versatility in sharing the power load.

In addition to improving the partnership with UK Power Networks, this agreement validates the approval of AirPlus innovation as a dependable option to SF₆ for energies in the UK. A total switchgear option will be provided to the business’s substation in Dartford, Kent, prior to completion of 2021.

Barry Hatton, Director of Asset Management at UK Power Networks, stated: “We have clear objectives to minimize the ecological effect of our operations and assist make it possible for the nation’s shift to net absolutely no carbon emissions, while keeping reputable electrical energy materials for more than 8 million houses and services. Our brand-new AirPlus switchgear supports our method and shipment of our Environmental Action Plan.”

ABB was among the very first business to use SF₆– complimentary switchgear services for MV varies as much as 40.5 kV, with the biggest worldwide set up base of over 5,000 AirPlus switchgear setups given that 2015.

Source: [ABB and UK Power Networks switch to a sustainable future](#)