NXAIR: A Sustainable Investment for Today and Tomorrow

At Siemens, we believe in sustainable development that meets current needs without compromising the future.

The SIEMENS sustainability framework "DEGREE" guides our efforts in six crucial areas of action:

Decarbonization: Support the 1.5°C target to fight global warming

Ethics: Foster a culture of trust and ethical conduct

Governance: Apply responsible systems for business conduct

Resource efficiency: Achieve circularity and reduce waste

Equity: Foster diversity and community development

Employability: Enable our people to thrive in a changing environment

Air-insulated medium voltage switchgear NXAIR is a prime example to our commitment to sustainability. Decades of experience have made NXAIR a leader in resource efficiency and decarbonization.

Here's what makes NXAIR a great investment today and for the future:

- use of natural air as insulating medium and vacuum interrupters for quenching
- free of environmental harmful substances, like asbestos, mercury, SF6 or other F-gases)
- reduced fire load due to a minimum use of insulating material
- easy recyclable and reusable due to use of homogenous material
- use of maintenance-free vacuum circuit breakers and with 10-year maintenance intervals for the switchgear
- long product lifetime and serviceable life of more than 30 years
- for discontinued products, functionally equivalent replacement parts supply for a defined period
- short transportation routes to customers thanks to global manufacturing network
- global service network close to the customer
- possibility for remote factory acceptance tests (FAT) and remote support for commissioning, service, and maintenance
- upgradable with condition monitoring systems for predictive maintenance
- Continuous improvement of product and service life through international standards and simulation software

SIEMENS

Low-power instrument transformers (aka. NCITs) support making our switchgear even more sustainable; also in the use phase, help to reduce energy consumption and CO2 emissions and lower operating costs.

We as Siemens commit ourselves to comply with all applicable guidelines and regulations to ensure a sustainable future for all, e.g., REACh regulation, Minamata Convention, Responsible Minerals Initiative and Stockholm Convention.

For NXAIR we conduct Life Cycle Assessment (LCA) and make Environmental Product Declaration (EPD) for reference system available.

With its environmentally friendly design, resource-efficient production, and long-lasting performance, NXAIR is the ideal solution for your business.

Air-insulated switchgear from Siemens inherently facilitates easy retrofitting, enabling straightforward upgrades to the latest technology and components. This simplifies the process of extending its lifespan, enhancing performance, and minimizing costs, resources, and environmental impact.

NXAIR – Enjoy the Air

Explanation:

REACh (Registration, Evaluation, Authorization and Restriction of Chemicals)

REACh - Regulation (EC) 1907/2006 is the European Chemicals Regulation concerning the Registration, Evaluation, Authorization, and restriction of Chemicals. It has been in force since 2007 and replaces 40 individual laws. The REACh Regulation is considered to be one of the world's most stringent chemicals laws.

Environmental Product Declaration (EPD)

An EPD (Environmental Product Declaration) is used to provide the customer with information about the "ecological footprint" of a product. Siemens has a clearly formulated strategy for the development of EPDs. EPDs are based on independently verified data from life cycle assessments, life cycle inventory analyses or information modules which comply with the ISO 14040 series of standards.

Life-cycle assessments (LCA)

We use life cycle assessments (LCAs) to help us calculate the ecological footprint of our products and systems over their entire life cycle. Siemens follows the strict requirements of the ISO 14040 and ISO 14044 standards when applying an LCA

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