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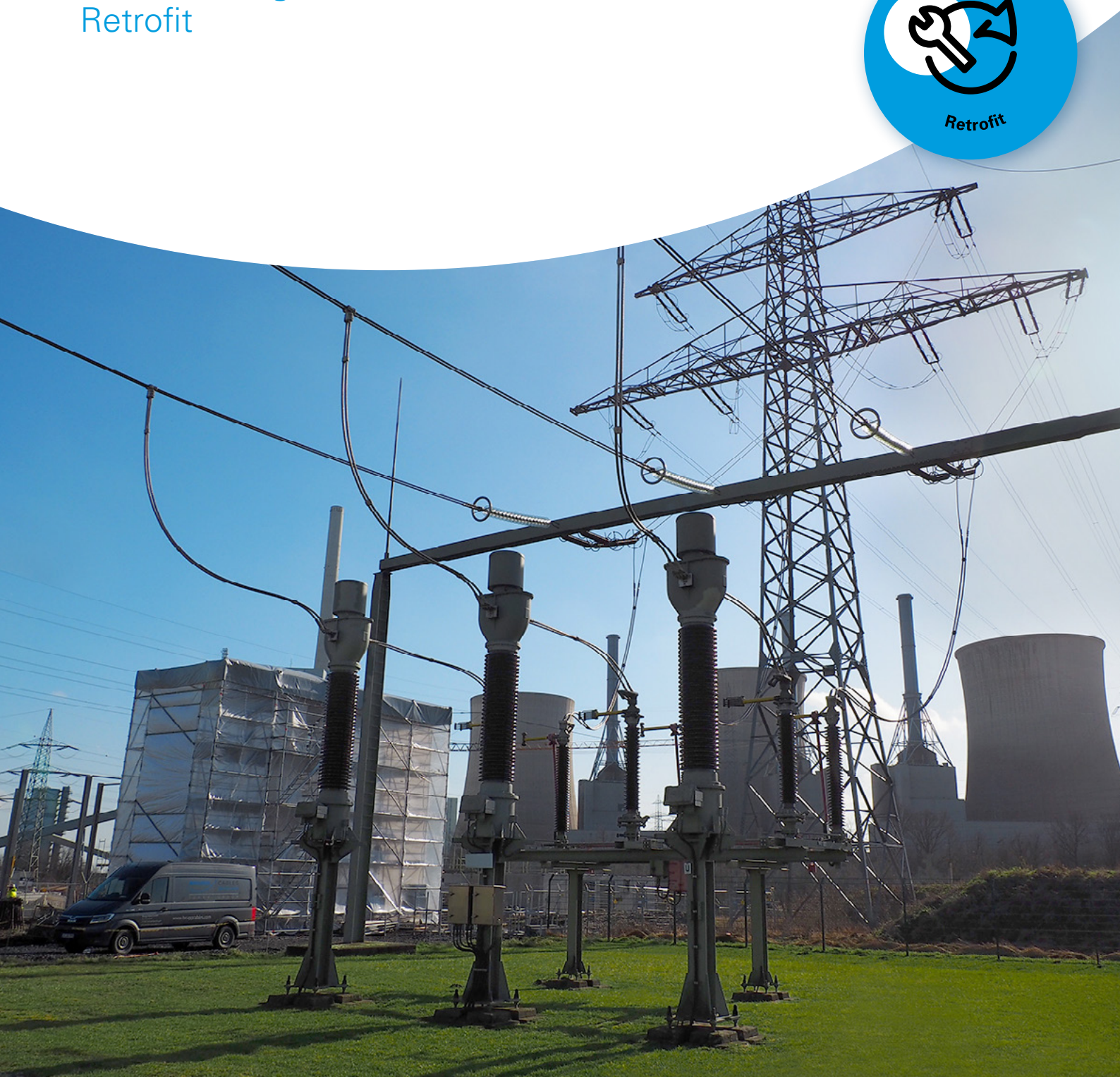
Rebuilding and replacement of high-voltage cable systems

Asset Management & Services
Retrofit



High-voltage cable systems reach age or capacity limits

System modernisation is currently an important topic for many operators of high-voltage cable systems. The existing grid infrastructure of different cable generations and capacities must be adapted to the changing generation and demand requirements. It is not always possible to realise new constructions. Retrofit solutions are therefore very efficient measures for upgrading the grid.

The situation

- Old cable standards (oil, GASA etc.) are forcing successor solutions due to environmental or cost considerations
- Generation or demand changes the system capacity requirements
- Major projects by transmission system operators in the neighbourhood change the feed-in situation

The retrofit options

- Evaluation of network capacity, cable system structure and route options by our engineering support team
- Deconstruction of oil cable systems (incl. "WHG certification" – for work on systems with handling water-polluting liquids in Germany)
- Utilisation of existing pipe systems for the largest possible XLPE cross-sections
- Exploiting potential by comparing theoretical calculations/standards with the actual conditions (e.g. soil values)
- Planning and realisation of retrofit projects, replacement buildings/capacitive expansions

Brugg Cables supports you in assessing the current system situation, deriving and evaluating options, evaluating specific route options and the concrete planning and implementation of retrofit projects as your general contractor.

Customer benefit

- Upgrading the existing high-voltage cable network to improve security of supply and avoid outages
- Expansion of the high-voltage network to meet future requirements
- Utilisation of the latest XLPE high-voltage cables and matching accessories from Brugg Cables
- Utilisation of Brugg Cables' expertise and team for the efficient planning and implementation of retrofit projects

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