

Caverion is building Denmark's largest high-voltage substation for Energinet

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Caverion has been selected as the contractor for the expansion of Kassø High Voltage Station near Aabenraa. When the project is completed, Kassø will be Denmark's largest high-voltage substation measured in terms of both area and capacity. The project has a contract value of approximately DKK 67 million.

Energinet will expand the existing high-voltage substation at Kassø in the coming years, and Caverion has been given responsibility for the establishment of a 400 kV AIS substation, which will replace the current station, as well as two new 150 kV substations.

Today the area covers about 12 hectares. After the expansion, the total area will comprise approximately 135 hectares, of which the electrical installations will occupy approximately 50 hectares. The remaining approximately 85 hectares will be used, among other things, for recreational areas.

There are great forces at play.

Kassø high-voltage substation is already one of Denmark's most important nodes in the transmission grid with connections to Germany, among other places. Therefore, the station is important for the energy infrastructure, which will support the electrification of society and the continued expansion of renewable energy.

"There are great forces at stake, and it is exciting to be allowed to contribute to such a significant and historic project in the Danish transmission grid. The expansion of Kassø is precisely the type of project where our high-voltage competencies come into their own. It is a large and complex task where safety, quality and strong project implementation must go hand in hand. "I am proud of the trust Energinet has shown us, and we look forward to bringing our experience and expertise to bear on one of the most significant high-voltage projects in Denmark," says department manager Thomas Bjerregaard.

When the station is completed, Kassø will be able to handle significantly larger amounts of electricity from, among other things, wind and solar energy and distribute the electricity efficiently through the transmission grid.

"Construction work at the new high-voltage substation in Kassø is progressing according to plan after the first sod was turned in the spring of 2026." With more renewable energy and growing electricity consumption across society, there is a need for a strong and flexible transmission grid that can ensure security of supply and support the continued electrification of Denmark. The expansion of Station Kassø is an important element in the green transition and a key investment in a robust and future-proof electricity system that can ensure that green electricity reaches consumers," says Nina Høegh Jensen, Director of Electricity Transmission at Energinet.

Caverion lifts complex infrastructure projects

The award of the project underlines Caverion's strong position within high-voltage plants and critical energy infrastructure.

"It makes me proud that we have been chosen for an important project of this size. It is a recognition of the quality and professionalism that our employees deliver every day. "The result is created by our fitters, project managers, specialists and managers, who together make it possible to lift some of Denmark's most complex infrastructure projects," concludes Director of High Voltage, Klaus Kjeldsen.

The project at Kassø is added to the series of large energy infrastructure projects that Caverion is helping to realize.

The project has a contract value of approximately DKK 67 million and is expected to start in February 2027 and be implemented over the coming years.

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About Caverion

Caverion – part of the Assemin Caverion Group – is a leading Northern European technical service and installation company, present in more than 200 locations in 9 countries and employing more than 20,000 people. In Caverion Denmark, we have more than 900 employees spread across 12 locations.

We deliver smart and sustainable solutions to both Danish and international customers within construction, transportation, industry, utilities, and energy.

Our competencies range widely from electricity, refrigeration, ventilation, plumbing, fire, security and sprinklers to automation and high and medium voltage. In addition, we offer services within technical Facility Management, Performance Management and lifecycle agreements as well as complex services and total solutions within engineering and digitalization.

About Energinet

Energinet owns and operates the Danish electricity transmission grid. It is Energinet's task to ensure that consumers always have power in the socket. There is a great need for expansion of the electricity grid, and Energinet is currently working on almost 200 projects, which represent investments of over 100 billion kroner.