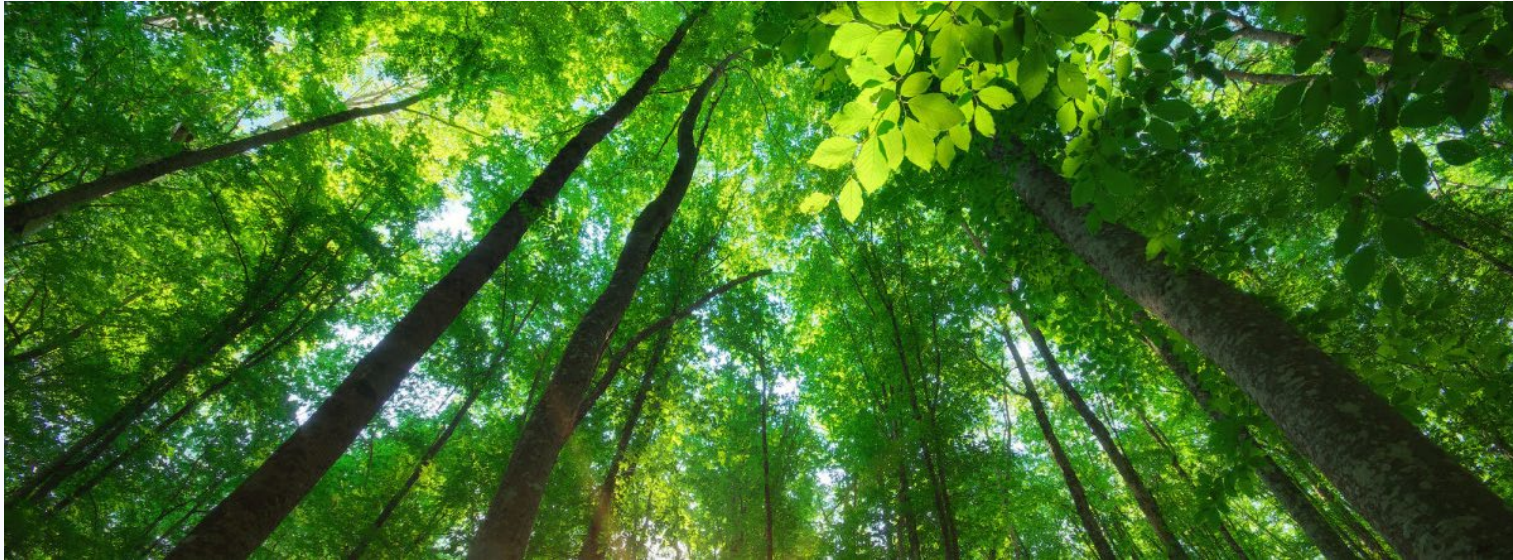


# Preserving old trees

BU 5223 – Oslo Distribution Grid

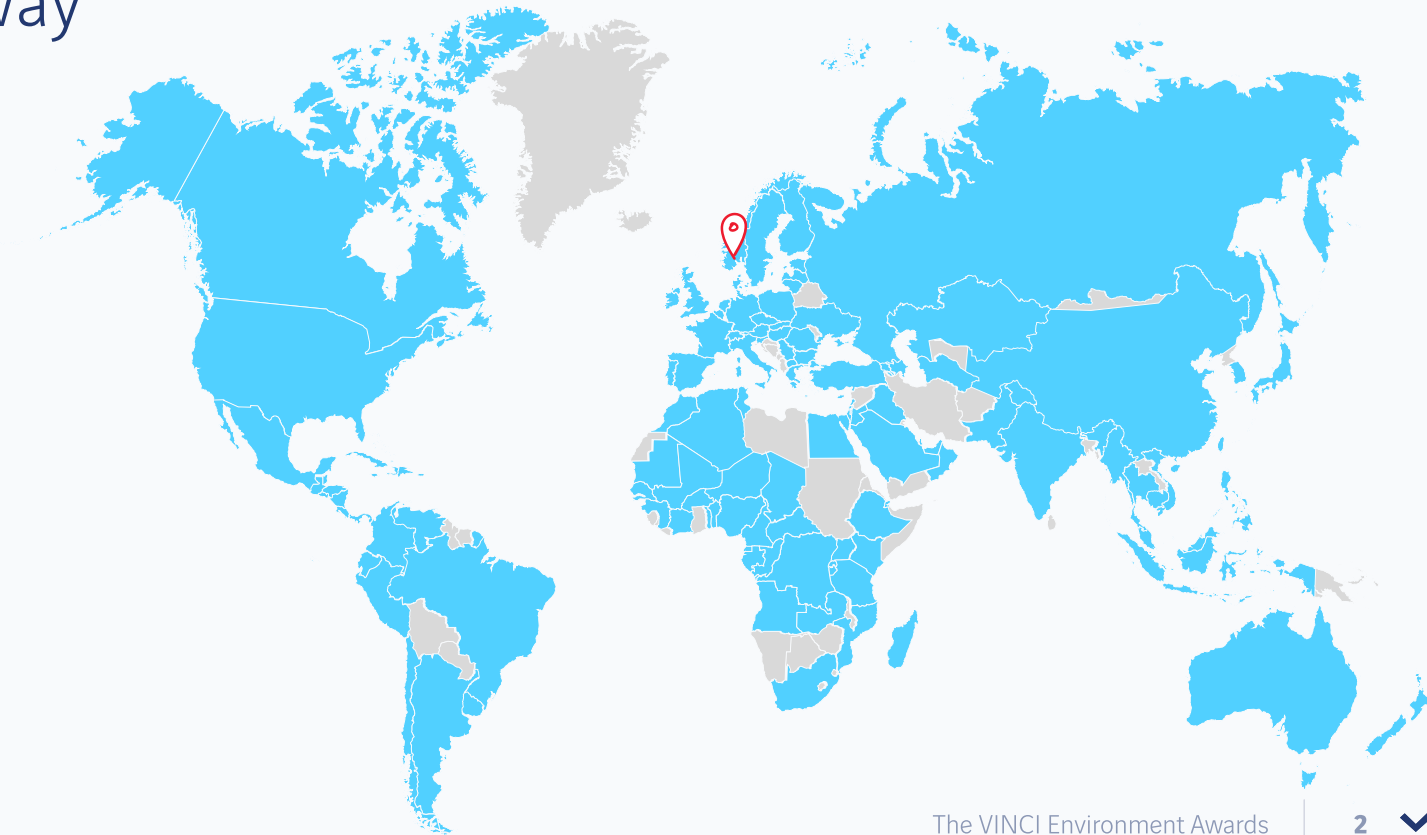
OMEXOM



# Vinci Energies

## Northern Europe

### Norway



# Making biodiversity matter



Taking biodiversity and environmental aspects into consideration early on in the design phase makes it possible to take care of natural environment as part of the concept presented to customer.

By highlighting the benefits for the environment they would probably welcome the solution although some increase, if any, in costs.



# Taking care

## Doing it together

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Omexom BU 5223 Distribution Grid Oslo offered a total solution that also cared for the natural environment in the affected areas. We had the choice between going close to tree trunks, through the forest or in the middle of the road. If going in the paved area we would have to remove asphalt, transport to waste handler and pave the new road. The costs were calculated approximately the same, but the CO2 emissions was drastically less choosing the green solution.

We immediately contacted an arborist (AB Trepleie AS) to come up with good solutions to preserve the roots. We dug carefully close to the tree trunks and vacuumed (X-Vac AS) the soil from the roots. When the roots were exposed we covered them with tarps for shade and watered regularly.



# Key information

## In a few words

Cooperation with arborist during new cabling to existing distribution transformer to preserve old trees. We used a vacuum truck in combination with carefully use of excavator and manually digging to make the cable trench.

## Problem initiative is solving

The work method maintained the biodiversity at the Veritas-forest at Høvik. Area is regulated as protected area, an important habitat type limestone pine forest.



# Location:

Sonja Henies vei 31, Høvik

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## Facts:

350m 12 kV cable

Total 1385 hours

1360m<sup>2</sup> asphalt saved

350m ally of trees saved



# Choice of solution

## Care for the biodiversity

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### Solution 1

Preserving trees, lay cable under roots.



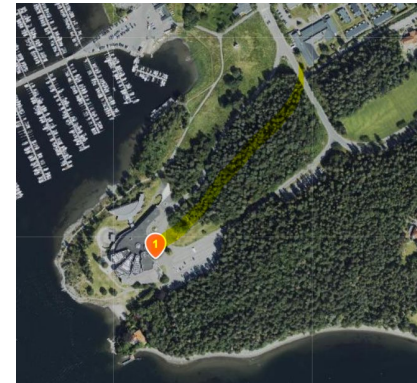
### Solution 2

Lay cable in the middle of the road. Would need new asphalt.



### Solution 3

Shortest distance through the forest. Many trees affected.



# Execution and inspection

Satisfied customer and inspectors

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# Contacts



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**AB Trepleie**

**Christer  
Carr**  
Arborist



**X-Vac**

**Lars  
Bergum**  
Operator



**X-Vac**

**Martin  
Myhre  
Bergum**  
Operator

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