# ElPrix – Charging the world's leading EV winter range test

## Mobile charging solution for harsh conditions

**Service:** Power solutions | **Customer:** NAF / El Prix | **Location:** Norway

CASE STUDY


oeg.group

## Challenge

NAF required a fast, reliable, and fully mobile charging solution to support its high-profile El Prix EV winter range test, the world's largest independent assessment of electric vehicle performance in winter conditions.

The trial took place in Norway where temperatures dropped to -35°C, severely impacting EV battery efficiency and charging behaviour. To keep the test running smoothly, NAF needed a system that could deliver consistent high-power charging, withstand extreme cold, and ensure continuous vehicle turnover without delays or performance loss.

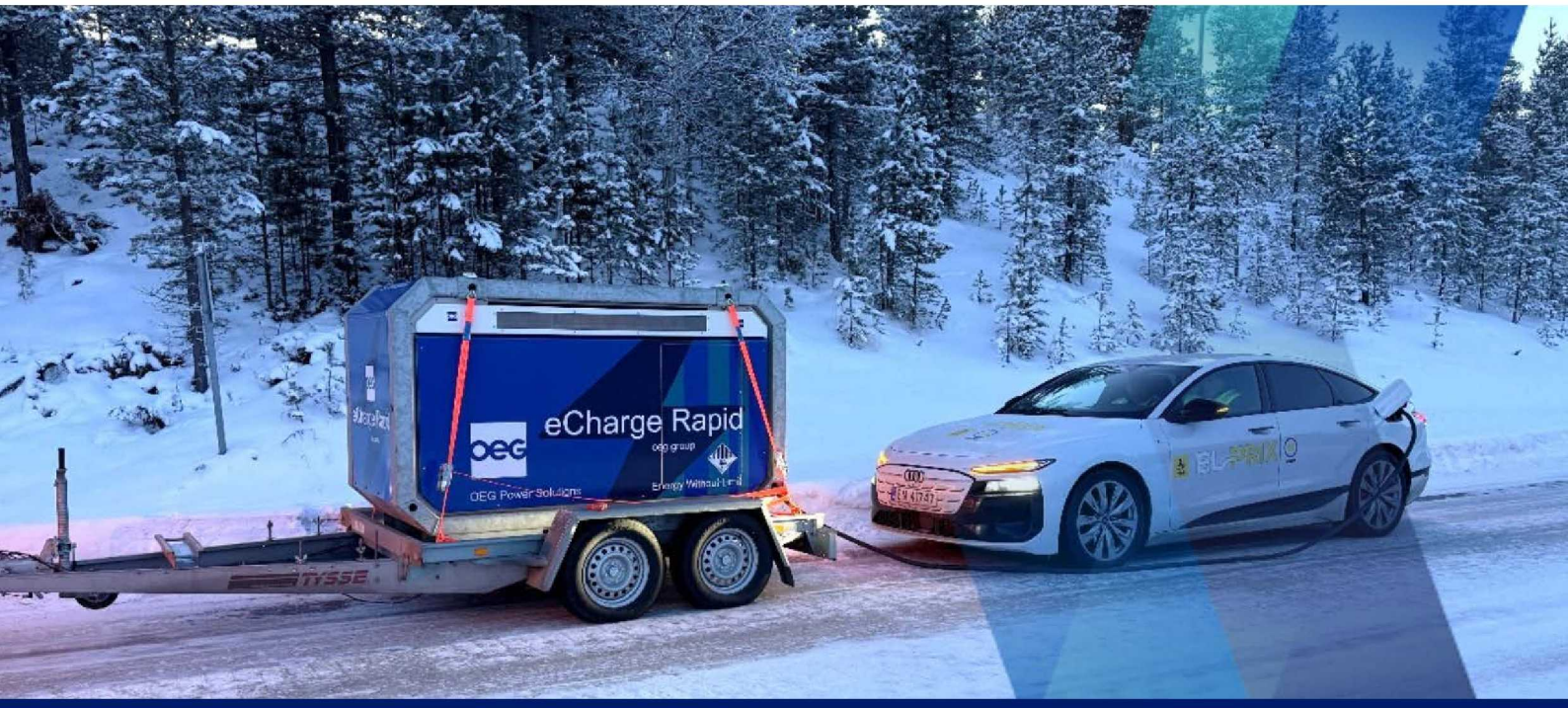
*OEG's eCharge power generator stepped in when the Audi A6 e-tron ran out of charge at 402 kilometres, supplying the battery power required to carry on.*

## Solution

OEG deployed its eCharge Rapid mobile charging system, supported on-site by OEG personnel. Purpose-built for mobility and resilience, eCharge delivered dependable fast charging in -35°C conditions, in remote situations, with continuous performance.

Its robust engineering, high-output capability and reliable cold-weather operation enabled the team to overcome significant technical challenges: extreme cold, rapidly changing locations, and uninterrupted fast charging to support quick vehicle turnover.

eCharge provided stable, rapid charging in harsh Nordic winter conditions, ensuring that vehicles were charged quickly and reliably at every stage of the test, demonstrating the system's suitability for deployment in demanding environments.




## Benefits

- **Uninterrupted test operations,** with eCharge ensuring continuous charging availability throughout the EV range trial
- **Consistent vehicle turnover,** enabling NAF to maintain the pace and structure of the test without delays caused by charging limitations
- **Reliable performance in extreme cold,** with the system operating effectively in temperatures down to -35°C, validating its durability under harsh Nordic conditions
- **High-power fast charging,** maintaining up to 200 kW delivery to support real-world test demands and accurate range assessments
- **Operational confidence,** as eCharge demonstrated the resilience and stability needed for demanding fieldwork
- **Evidence of long-term capability,** showing system readiness for broader commercial use and assurance for future deployment