

## Statnett SF - Norwegian Energy Certificate System

Unicorn Systems delivered a brand-new energy certificate registry for Statnett. The Norwegian Energy Certificate System – NECS was developed in close cooperation with Statnett and aims to be the next generation of energy attribute certificate registries.



### Success story

Statnett SF operates the largest Guarantees of Origin registry in Europe. Since the previous registry solution started to hit its limits mainly in terms of performance and usability, Statnett decided to implement a brand new registry for its Account Holders. Statnett chose Unicorn Systems as a development partner in the public procurement.

Unicorn Systems delivered and operates Statnett's new NECS registry. The registry currently supports European EECs-GO standard and the Norwegian-Swedish elcertificates scheme. The main functionalities of the solution are:

- Management of Production Devices
- Reception of measured data
- Issuance of certificates
- National and international transfers
- Retirement of certificates

From the beginning Statnett's goal was to develop a best-in-class solution that will drive the whole industry forward towards new and modern solutions. The main pillars of the new solutions are

- Modern graphical user interface
- Flexible search queries with possibility to create own views
- REST API covering all functionalities of the solution
- Cloud operation with dynamic scaling

Delivered system went live in November 2020 and already in December 2020 managed to handle high amount transactional volumes that later defined an all-time high record. The system was able to handle the load of more than 10 millions of certificate transaction in three consecutive days without any noticeable impact on the performance.

#### Representative statement of Statnett SF

*Statnett is very pleased with our new registry solution which we believe sets a new business standard. We are confident that this solution will serve our customers' needs, and that the system will provide the functionality, flexibility and performance that's expected from a modern ICT-solution.*

*We are very satisfied with the cooperation with Unicorn and we are looking forward to work together in further developing and improving the new system in the years to come.*

In Oslo on 11.8.2021

Ole Jacob Høyland  
Director of Market Operations in  
Statnett



Statnett is the transmission system operator in the Norwegian energy system. Statnett is a state enterprise owned by the Norwegian state through the Ministry of Petroleum and Energy.

Statnett's mission is securing power supply through operations, monitoring and preparedness, facilitating the realisation of Norway's climate objectives, and facilitating creation of value for our customers and the society in general.