

## CASE STUDY



## Stryne Mountain Pass

- Customer: Mesta Elektro
- Place: Stryne Mountain, Norway (between the counties of Sogn og Fjordane and Oppland)

Solutions delivered by TRAFSYS: Variable LED signals and PREVISION intelligent traffic management.

## LED signs improves road safety

The national road over the Stryne mountain connects two of Norway's largest counties. Here, LED signs from TRAFSYS are used to improve road safety.

## Informs about convoys and road closures

"The weather influences the decision to close the road or to drive in convoys, but safety comes first" says Guro Raner, manager at the Norwegian Public Road Authority.

"It is the snow plow truck drivers who make the decision whether or not to close the road. They are best placed to evaluate whether it is safe to travel over the mountain". In the winter months, the darkness becomes an additional hazard, so the LED signs are also used to inform about nighttime closures.

## High performance and low power consumption

The variable LED signs from TRAFSYS can handle extreme temperatures, ice and snow. High performance is essential at the Stryne mountain pass, which is renowned for its harsh winter climate. The LED signs also offers low power consumption compared to alternative road signal types.

## Remote control: Traffic information in real time

The LED signs can be managed via the control panel located next to the sign itself, or remotely from two separate control rooms located in Bergen or Lærdal on Norway's west coast. The remote control of the LED signs are done through PREVISION, an intelligent traffic management system from TRAFSYS. If a critical situation should occur, PREVISION can use pre-prepared emergency plans to give useful advice to the traffic operator. This ensures that the right information is relayed to the road users via the LED signs.

## Signs of intelligent traffic - proven in harsh environments

Variable LED signs are used to convey information about queues, road works, closures, route changes, bad visibility and weather conditions. TRAFSYS delivers over 150 different LED models with flexible housing and sizes (front & rear access, walk-in), and the signs support any true type fonts or languages. The brightness levels are also changeable, which makes the signs ideal for use at ferry ports, inside tunnels, on bridges or mountain passes.

TRAFSYS has delivered technology that is used to manage Norway's most famous mountain passes, including Haukelifjell, Filefjell, Hardangervidda, Hemsedalsfjellet, Vikafjellet and free text signs by Borlaug and Leira which informs about mountain passes. TRAFSYS has also delivered LED signs to many well known road tunnels, bridges and ferry ports in Norway, including the Fløyfjell tunnel (3,6 km), the Haukeli tunnel (5,7 km), the Flenja tunnel (5 km), the Tuftås tunnel (2 km), the Tunsberg tunnel (4 km), the Hardanger bridge (Europe's largest bridge), and LED signs located at the ferry ports Halhjem-Sandvikvåg and at Mortavika.



Variable LED signs from TRAFSYS

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