

Norwegian Public Roads Administration

Oslo, Norway



Capital of Norway utilizes portable gantries to minimize revenue loss during equipment upgrades and road maintenance.

Since 1986, Q-Free and Norwegian Public Roads Administration have worked together to create a better experience for drivers in Norway through self-financing infrastructure initiatives. The addition of a durable, portable gantry provides a versatile and completely mobile electronic tolling solution.

SOLUTION

- ▷ TRIPLE GANTRIES (ROTABLE AND PORTABLE)
- ▷ VARIABLE MESSAGE SIGNS

TYPE: MULTI-LANE FREE-FLOW ELECTRONIC TOLLING

CHARGING POINTS: 29

About NPRA

The Norwegian Public Roads Administration (NPRA) is the government agency responsible for national and county public roads and traffic across Norway.

- Established in 1864
- Manages over 34,300 miles (55,300 km) of roadways

Tolling Challenge

Utilize portable gantry to achieve minimal revenue loss during equipment upgrades or road maintenance.

The Solution

The NPRA project consisted of the replacement of an antiquated tolling system to a new multi-lane free-flow (MLFF) electronic tolling system with portable and fixed-pole rotatable gantries and variable message signs (VMS) to charge and enforce tolling across the capital city of Oslo. The portable gantry has proven to be a major success for the administration because it has been the key solution used to achieve nearly zero revenue loss for the operator during equipment upgrades as well as road maintenance.

Results

Q-Free's fixed-pole rotatable charging points were deployed across narrow urban-street environments as well as highways throughout Oslo in order to maximize revenues for the NPRA. The standby portable gantry is used when the fixed installation is taken out, such as during road maintenance or equipment upgrades. And the VMS is utilized to communicate tariff charges and can be adjusted remotely.

- No loss of any tolling transactions or revenue
- Allow continuous flow of traffic while electronically collecting toll payments despite road maintenance
- Communicate tariff changes during specific time periods via VMS

"The new equipment helps to lower operating costs relating to service and maintenance in the long term. We adopt newer technologies for registration and identification, which ensures both data quality and reduces the risk of loss of income."

— Toll Operator's Annual Report, 2015
(translated excerpt)