

Fuelsave

What is Fuelsave?

Fuelsave is a digital web-based software tool, used by road designers to estimate and compare climate emissions and user costs of various road designs.

Fuelsave is one of the tools developed by Waywize, winner of Ramboll Innovation Accelerator 2019. Waywize is part of Ramboll Group.

Fuelsave enables fuel and carbon dioxide savings that were previously inaccessible. For a normal road, more than 90% of its total emissions are related to the traffic that passes during its operational phase. Nevertheless, today's life cycle analyses only cover the construction phase. Fuelsave takes a holistic approach to the road's climate impact, and thus offers greenhouse gas savings to a completely new extent.

Fuelsave combines:

- Our unique road database and know-how after 30 years in the road data industry
- Research on impacts of road geometry and road condition on energy consumption
- The latest forecasts on the vehicle fleet's future use of various types of fuel and delivers an enabler of CO₂ savings that were previously considered unattainable.

For example, Fuelsave has been used in projects along the E6 in Norway and shown how two design alternatives can differ with one billion NOK (about €100m) in user costs over a road's life cycle, excluding the value of mitigated GHG emissions.

