



## CO<sub>2</sub> Awareness Certificate Level 4 | VIVENS membership

Eurailscout Inspection & Analysis is a member of VIVENS, the association for purchasing and consumption of energy on the Dutch railway network.

## What is VIVENS?

The abbreviation stands for the cooperative "Verenigd Purchasing and Consumption of Energy on the Dutch Railway Network (VIVENS) U.A.". In 2008, rail operators and ProRail set up the cooperative to regulate the purchase and consumption of energy (diesel and electricity) and to optimize the purchase thereof. In addition, VIVENS operates tank installations that are managed by ProRail.

Thanks to the collaboration within VIVENS between rail carriers (both passenger carriers and freight carriers) and ProRail, all VIVENS members have a transparent picture of the costs and the structure of energy tariffs. Joint purchasing yields benefits, such as lower tariffs and lower energy surcharges. VIVENS also serves as a consultation platform for rail carriers and ProRail on energy-related subjects and joint energy interests are coordinated. For example, for the introduction of billing by means of energy meters, technical and/or environmental standards and new fuels such as HVO.

## **Gas installations**

There are public refueling installations at various locations on the main railway network in the Netherlands where rail operators can fill up with fuel for their rail vehicles equipped with diesel traction. ProRail manages and owns the installations. VIVENS is responsible for the non-discriminatory supply of fuel to railway undertakings at these locations. Some members of VIVENS operate one or more of these installations. The locations of the refueling installations and the responsible operators with associated contact details are included here.

## Electricity

2020 is a transitional year for the settlement of the costs of electricity consumed on the Mixed Net. Until July 2020, a settlement model will be used to determine the electricity bill per carrier. From the beginning of July, billing can take place on the basis of data from energy meters.

## Knowledge exchange

Members of VIVENS actively share and disseminate their acquired knowledge and experiences. There are several contact moments every year for consultation about chosen solutions or to overcome obstacles. This exchange and coordination mainly takes place through modern means of communication



Eurailscout carries out independent measurements of the railway infrastructure with modern measuring and inspection trains as well as hand-held devices. Eurailscout works for infrastructure managers and rail contractors in various countries.

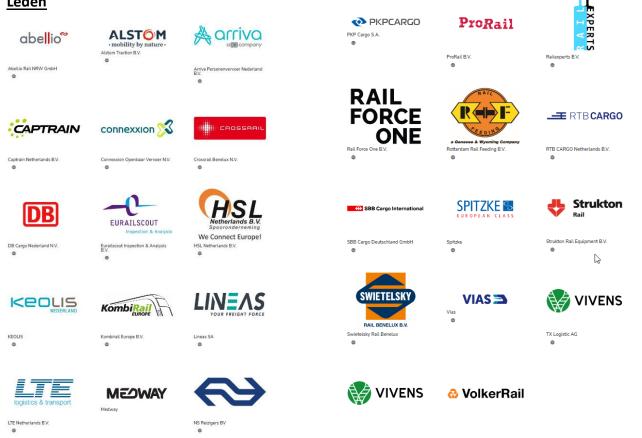
The measurement data from Eurailscout measurement and inspection trains support the asset management process. At the request of the infrastructure managers, the measurement data obtained for them are provided to the rail contractors for maintenance purposes. The aim for the infrastructure managers is a safe, reliable and available rail network. Eurailscout is aware of its responsibility to provide the necessary data as well as possible.

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