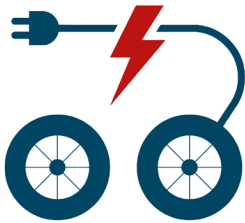


Incidents with alternative fuel vehicles

Annual report 2022



This factsheet provides a picture of the number and type of incidents involving alternative fuel vehicles (AFV). Other characteristics are also considered, such as the type of propulsion, the type of AFV, the resources used and the number of victims.

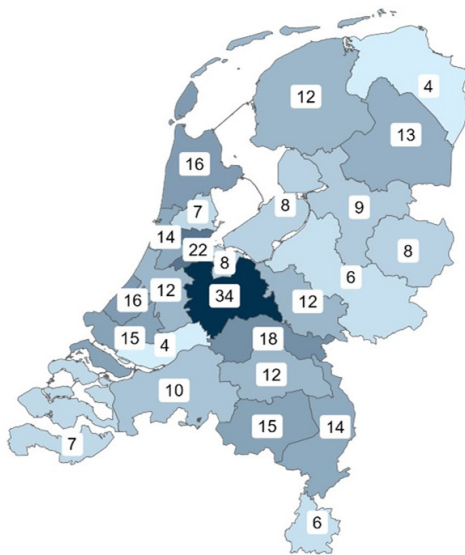
The figures are related to incidents in the Netherlands where the fire brigade was deployed.



Number of AFV incidents per safety region



Incidents in the Netherlands



NIPV | 2022

Number of incidents

306

189 accidents
117 fire

NIPV | 2022

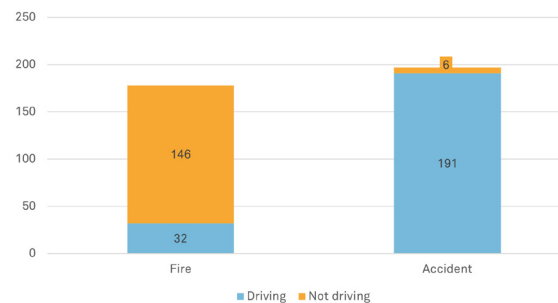
Number of vehicles

375

196 accidents
179 fire

NIPV | 2022

Type of incident



NIPV | 2022

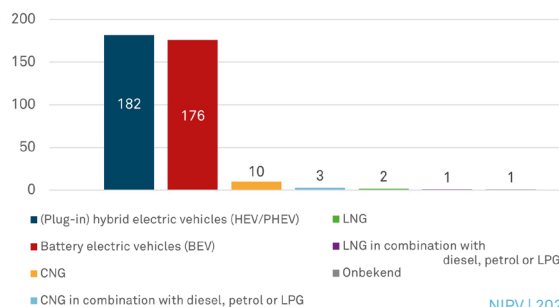


AFV propulsion



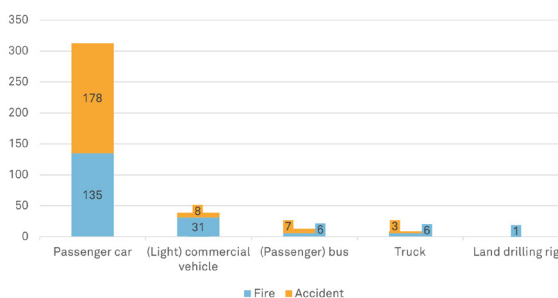
Type of vehicle

Number of vehicles involved in incidents, by type of propulsion



NIPV | 2022

Number of vehicles involved in incidents, by type of vehicle

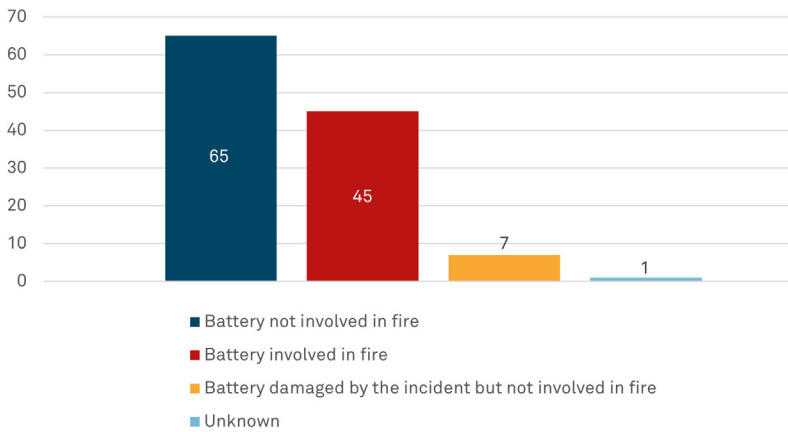


NIPV | 2022



Fire*

AFV with battery involved in fire



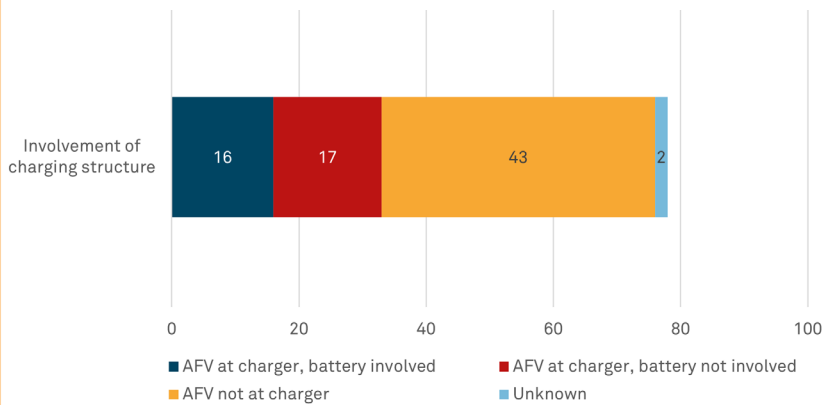
NIPV | 2022

* This analysis excludes 48 vehicles involved in fires. These vehicles were on a freight train where fire started after the track's overhead wire fell on them. Given the particular characteristics of this unique incident, their inclusion would bias this graph.



Charging*

AFV at charger



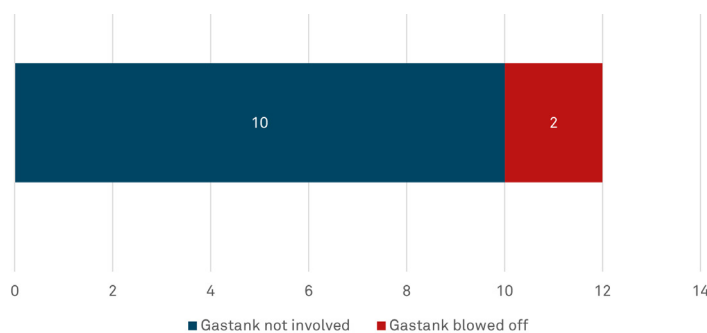
NIPV | 2022

* For the 78 vehicles that could have been on the charger counts that they had to be parked, were involved in the fire and were a BEV, (P)HEV or FCEV.

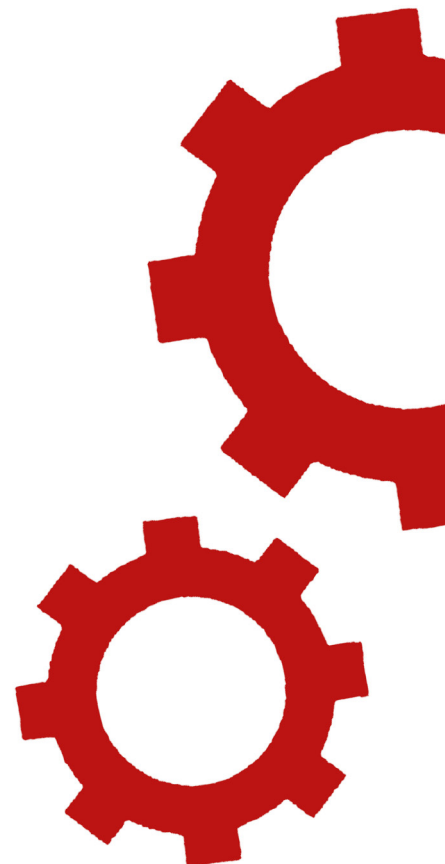


Gastank

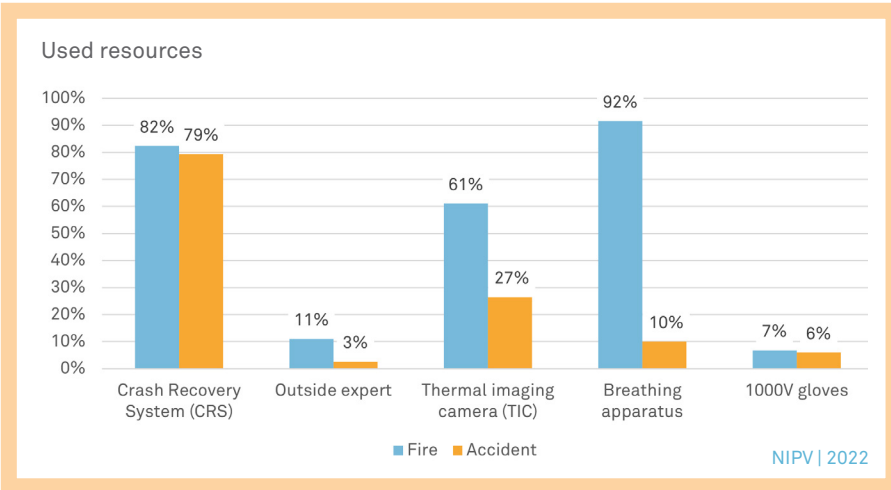
AFV with gastank



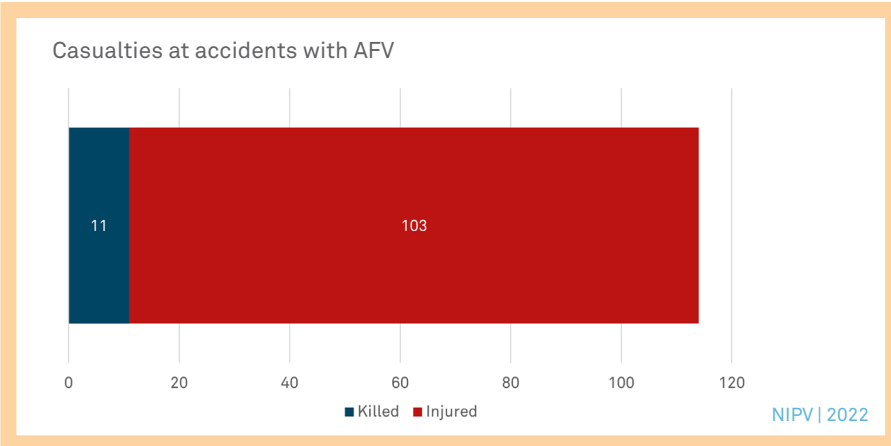
NIPV | 2022



CRS TIC Resources

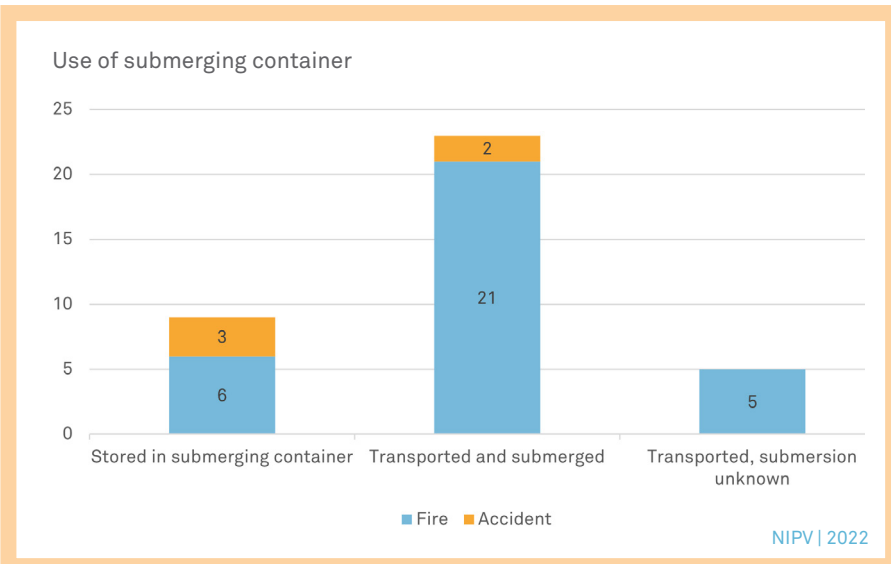


Casualties*



* Only accidents (94) resulted in casualties. There were no victims in a fire. None of the incidents resulted in injury to fire brigade personnel.

Submerging container



More information

For the dashboard Incidents with alternative fuel vehicles see: kerncijfers.nipv.nl

This factsheet is based upon the *Annual report 2022 Incidents with alternative fuel vehicles* (NIPV, 2023). The publication can be downloaded at www.nipv.nl

In case of any questions, please send an email to aav@nipv.nl

Netherlands Institute for Public Safety, April 2023