Energy efficiency programme results in equivalent energy savings of 50,000 cars off the road yearly.

Seven hydrodesulphurisation sections ensure the production of cleaner fuels, and help to significantly reduce Pernis’ CO₂ emissions.

To help meet this global demand, the Pernis team refines more than 400,000 barrels of crude oil every day.

To do this, crude oil is heated to 350°C inside a huge distilling column, causing it to vaporise and rise.

Each level in the column has its own temperature range. The higher the level, the lower the temperature.

As they rise, the oil vapours condense and turn into various liquids used to produce a range of widely distributed products, including gasoline and diesel.

At full capacity, Pernis can refine 750 litres of oil per second.

As a complex refinery, it is equipped to refine both light and heavy crude oils.

Together, the team helps Pernis process 20,000,000 tonnes of crude oil every year.

They work on a site covering 550 hectares.

Across 50 different plants, 2,000 highly trained men and women work together to keep the Pernis refinery in Rotterdam running safely and efficiently.

There are 730,000,000 cars, trucks and buses on our roads worldwide using nearly 2 trillion litres of petrol and diesel every year.

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Sources:
1. https://www.youtube.com/watch?v=Y_TgIvwaxr4