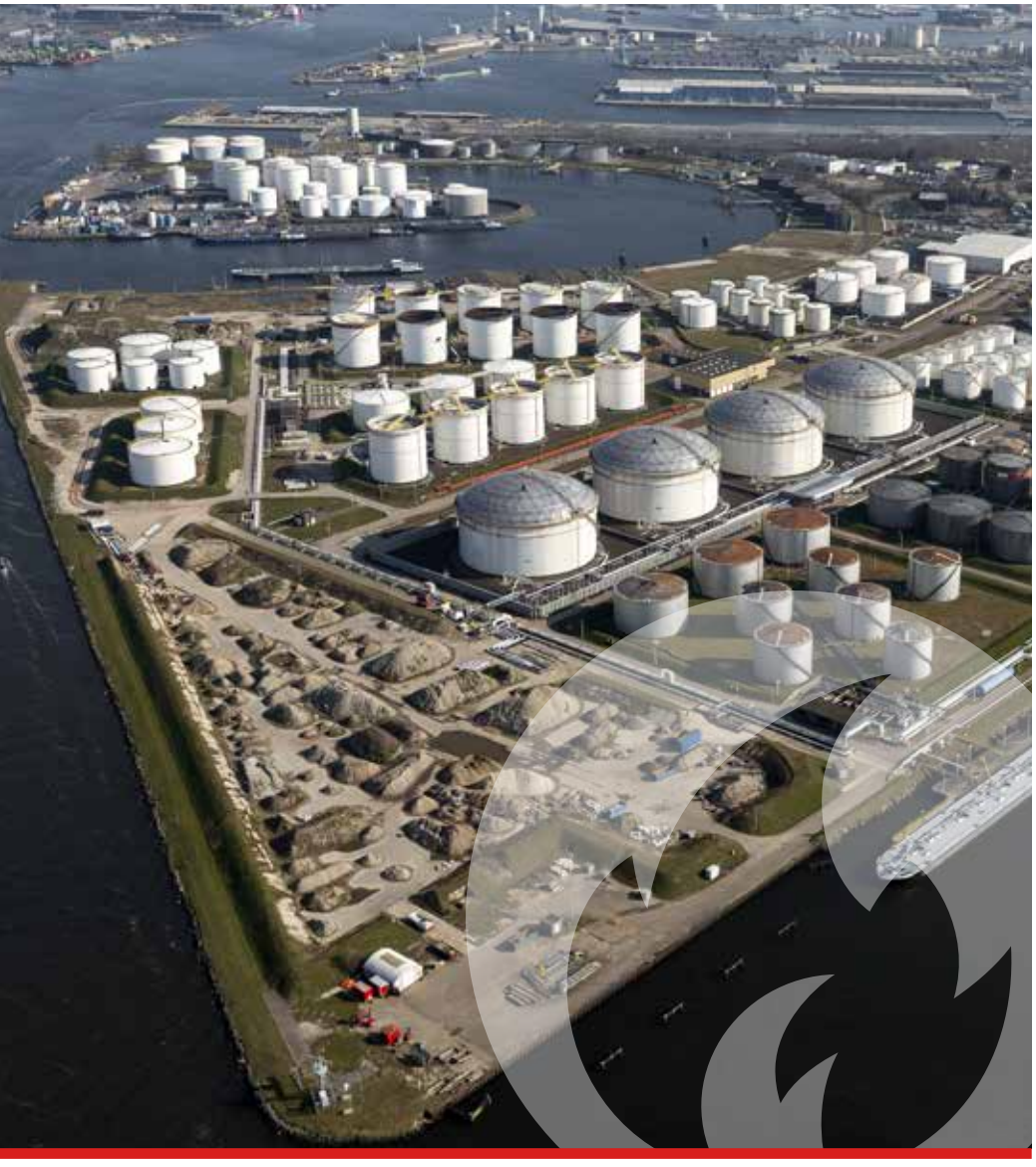
HYDRODIESEL

Industrial Fire Fighting



Emergency pump systems

Fighting a fire on an industrial complex requires a large amount of water. Generally, much more than can be provided by the existing fire ring main. The mobile solutions from Hydrodiesel can be deployed rapidly using water from a nearby lake or river enabling a swift response to the largest fires.

Industrial fires can often result in explosions. They are most likely to occur in facilities where there is a lot of flammable material present. These materials can include petroleum, petroleum products such as petrochemicals, or natural gas. Processing flammable materials such as hydrocarbons in units at high temperature and/or high pressure makes the hazards more severe. Facilities with such combustible material include oil refineries, tank farms (oil depots), natural gas processing plants, and chemical plants, particularly petrochemical plants.

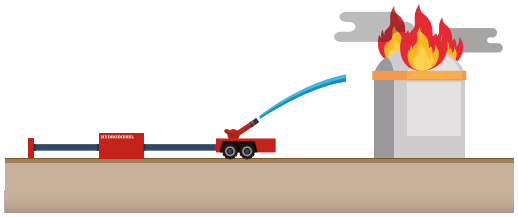
In these situations, it is necessary to obtain water from a nearby source, like a lake or river.

However, the challenge is to get the required water from the source to the location of the fire which could be physically distant from each other.

Hydrodiesel delivers mobile and static fire fighting systems with the largest capacities in the industry. We develop solutions tailored to a given situation. Our systems can be deployed rapidly, enabling a swift response to the largest fires out there.

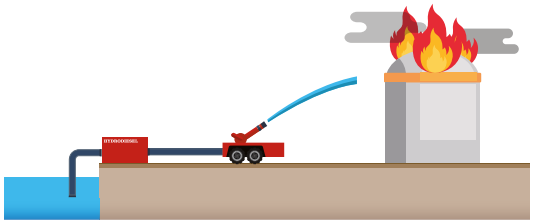
Over the past four decades, Hydrodiesel has developed and delivered numerous solutions for industrial fire fighting. On the following page are examples of some of the possible configurations of our mobile systems.

Configurations



Hydrant pumping

In case the fire ring main provides too low residual pressure at the hydrant, a booster pump can be deployed to deliver high pressure fire water to one or more fire trucks or mobile monitors.

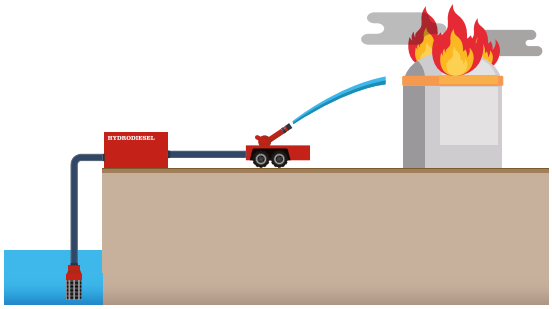


Draft pumping

When there is water in the vicinity of the pumping system, flexible suction lines can be used to extract the water and deliver it downstream, by means of a booster pump set to one or more fire trucks or mobile monitors.

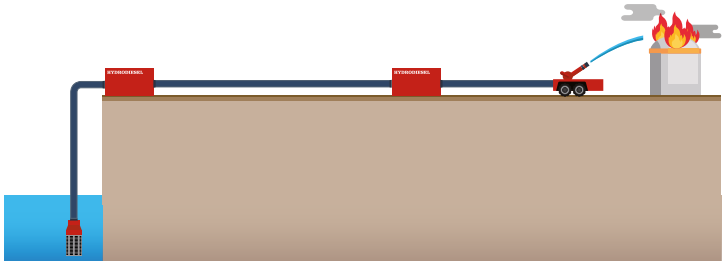
Source pumping

When the vertical or horizontal distance between the water source and the fire is too great for draft pumping, a hydraulic driven submersible lift pump can be used to supply water to a booster pump that delivers it downstream to one or more fire trucks or mobile monitors.



Relay pumping

Independent of hydrant, draft or source pumping, when fire water needs to be transported over longer distances, several booster pump sets can be connected in series to deliver high pressure fire water to one or more fire trucks or mobile monitors.



Nearly 40 years of experience

Hydrodiesel was founded in 1983 and has been delivering high capacity pumping systems solutions ever since. With a track record in high quality fire fighting systems for offshore, marine and land we have supplied solutions to companies and (local) governments worldwide. Enabling our customers to reduce the impact of disasters on land and sea. Operating from our modern premises in the Netherlands, with advanced engineering, manufacturing, and testing facilities, we design, manufacture and supply a wide range of high capacity pumping systems. During the entire project lifecycle, we develop, design, build and test our solutions in-house. After delivery, our team of service engineers provide local commissioning, training and maintenance at our customer sites all over the world.

HYDRODIESEL

Tuinschouw 4, 4131 MD Vianen
The Netherlands
Phone: +31 (0)347 74 56 00
E-mail: info@hydrodiesel.com

Hydrodiesel is a CSH company

More information

Would you like to find out how we can help you solve your challenges?
Our experts are available to help you find the solution for your issues. Please feel free to contact us directly or have a look on our website for more information.

www.hydrodiesel.com