

A high-pressure water mist nozzle is shown at the top center, spraying a wide, fan-shaped mist of water downwards. The water droplets are illuminated, creating a bright blue-white glow. At the bottom of the frame, there is a fire with bright orange and yellow flames. The background is dark, making the water mist and fire stand out.

**FIREFIGHTING  
WITH HIGH  
PRESSURE  
WATER  
MIST**

AQUASYS

# FOR YOUR SAFETY

WITH OUR HIGH-PRESSURE WATER MIST SYSTEM,  
FIRE DOESN'T STAND A CHANCE

## For industry and buildings

The safety of employees, increased productivity and the protection of buildings are all achieved with our firefighting systems. Our firefighting systems are characterised by the instant three-dimensional dispersion of the extremely fine water mist, and the outstanding and rapid cooling effect as a result.

## In tunnels

We can control tunnel fires in excess of 1000°C with extremely high fire loads with a heat release rate of 200 MW and ongoing ventilation. Our patented water mist nozzles, which are extremely space-saving to integrate, provide capable protection in the event of fires involving solids or liquids, thereby ensuring effective protection of the structure and, as a result, good availability of your infrastructure.

## On rail

Fire in the cramped engine compartment or in the electrical systems of a rail vehicle must be extinguished immediately and must not be allowed to propagate or spread to occupied spaces, while fires in the passenger area must be sufficiently controlled until secure evacuation of the passengers can be assured.

We have developed firefighting systems to handle all of these challenges. The system is weight-optimised and space-saving, withstands even strong vibrations and blends in very well in the passenger compartment thanks to its attractive design.

## IN A WIDE RANGE OF APPLICATIONS

Our innovative spraying technology know-how is not only used for effective firefighting, but also

- // Compensation for structural fire protection
- // Cooling of objects or smoke gas
- // Visual barriers (projection surface for visualisations)
- // Air conditioning and humidification systems
- // Dust suppression
- // Rain systems

# FIREFIGHTING IS RESPONSIBILITY

## WATER MIST IS OUR PASSION

We have been carrying out pioneering work in the development of high-pressure water mist systems for buildings, tunnels, rail vehicles and industry since 1993. Our high-pressure water mist systems offers effective firefighting, are harmless to human beings and are an environmentally responsible alternative for people and environment.

We are the right partner for anyone who wants to protect people, buildings and infrastructure in the event of fire. We are part of the HAINZL group and, as an innovative technology company, we are always on the lookout for the best solution for your request.



# OUR FIREFIGHTING SYSTEM

High-pressure water mist fights fire quickly and very efficiently, cools the environment, gets into every corner, is just water and nothing else. High-pressure water mist can be adapted to every fire situation. Installed as a stationary or mobile system in buildings, tunnels, rail vehicles, industrial plants and many other applications.

## IMPACT: EFFECTIVE

The positive characteristics of water mist mean it is outstanding at extinguishing even liquid fires – in both enclosed and open spaces, with or without ventilation. Our proven water hydraulic know-how and in-house development of high-pressure water mist nozzles allows us to adapt the spray pattern to meet any requirements.

## QUALITY: LONG-LASTING

We use high quality materials that we can rely on for many years. Corrosion-resistant high grade stainless steel prevents contamination or failure of the system and has an attractive modern aesthetic.



## RESPONSIBILITY: ECOSENSITIVE

We use just water, with nothing added. Our extremely fine atomisation means we only need a small amount of it for efficient firefighting. This also drastically reduces the amount of wasted extinguishing water that has to be collected and disposed after a fire, thus protecting our environment. At the same time, this minimize risk of damage to equipment and buildings.

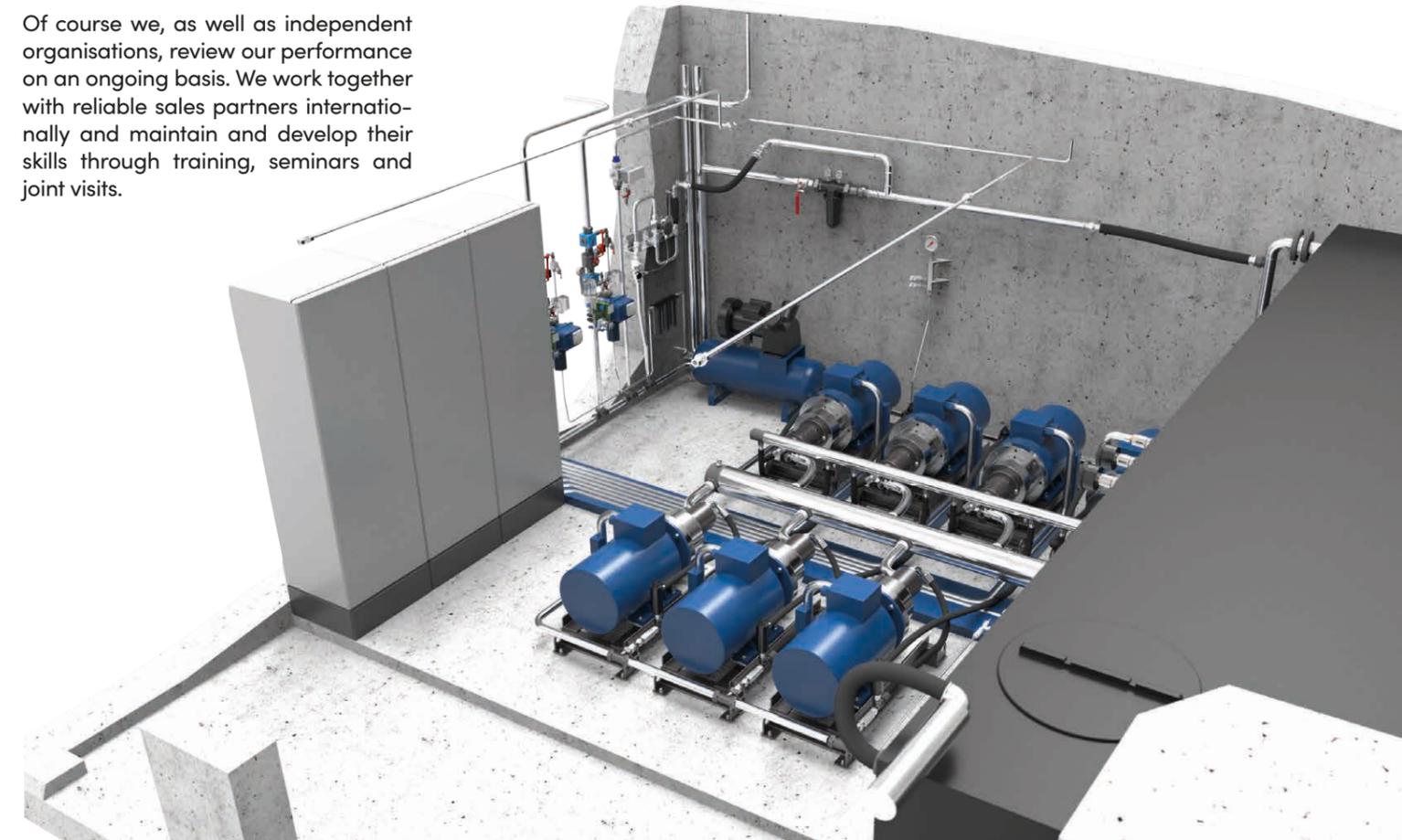
## COSTS: EFFICIENT AND FLEXIBLE

Our water mist systems use less water and need less space. Thanks to our in-house production, we can take into account project-specific requirements and optimizations, guaranteeing project execution runs smoothly. A future extension of our system is possible with less effort. This all saves on materials, time, and your money.

## WORKFLOWS: DEPENDABLE

Of course we, as well as independent organisations, review our performance on an ongoing basis. We work together with reliable sales partners internationally and maintain and develop their skills through training, seminars and joint visits.

## HIGH-PRESSURE WATER MIST SYSTEM FOR INDUSTRY AND BUILDINGS



# WE ARE THE RIGHT PARTNER

## FOR YOUR INNOVATIVE FIREFIGHTING REQUIREMENTS



## PARTNERSHIP

In our daily work with customers, partners and employees, we attach great importance to long-term partnerships built on reliability, appreciation and a solution-oriented action.

## OUR SYSTEM

Our firefighting system convinces ourselves as well as our customers in many applications: it is space-saving, long-lasting and environmentally friendly.

## TECHNOLOGY AND DEVELOPMENT

Our developers are delighted to be challenged with new demands and will find the right solution for your requirements.

Josef Hainzl  
Managing Director, AQUASYS Technik GmbH

Based on our years of expertise in development, design, installation and service, we deliver high quality firefighting systems for

**// INDUSTRY AND BUILDINGS**  
**// ROAD AND RAIL TUNNELS**  
**// RAIL VEHICLES**