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Hot Smoke Tests

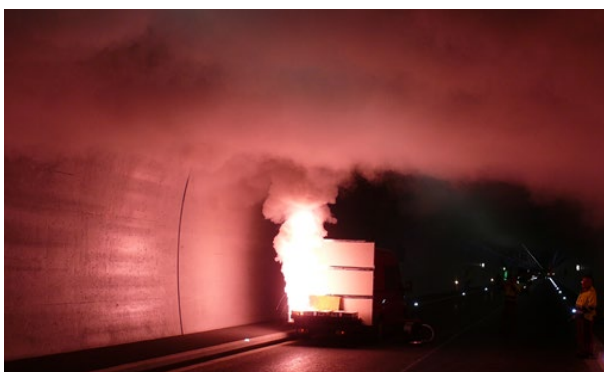
By hot smoke tests, the proper function of fire and smoke detection, as well as that of smoke and heat extraction systems can be assessed. They also serve to visualize the smoke propagation for different scenarios and boundary conditions.

IP Engineering GmbH conducts hot smoke tests in buildings, tunnels and industrial plants. The smoke source can be stationary or in motion.



The test smoke used is certified and patented, meeting the following requirements:

- The physical properties of the test smoke, in particular its optical density, are similar to those of smoke from real fires
- The generated heat can be adjusted to allow for simulation of thermal buoyancy without the risk of equipment or structures being damaged. Therefore, a thermal insulation of the structure and equipment is not required.
- The test smoke is safe to use, represents no hazard to health, doesn't cause any corrosion nor leave any harmful deposits.



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