

Jet fires represent a major fire risk in offshore installations and other installations with pressurised hydrocarbons. SP Fire Research has long experience in jet fire testing and has been in the forefront during the development of several jet fire test standards used by the industry and the authorities today. SP Fire Research facilitates individual tests as well as extensive test programs, all according to the client's needs.

Jet fire test according to ISO 22899-1/OTI 95634

The jet fire test standard gives an indication of the properties of the passive fire protection, and provides performance data under the specified conditions.

Extended jet fire test

We have developed a method for jet fire testing with high levels of heat flux (average 350 kW/m²). Our furnaces for extended jet fire can be used when standard jet fires are not sufficient, and offer the possibility of testing at higher temperatures and with larger specimens.

Sequential jet fire test

In our extended jet fire furnace, we can vary the heat flux during a test. The furnace can also be used to simulate a HC-fire, which gives the ability to perform a combination of jet fire exposure directly followed by a simulated HC-fire in the same test.

Jet fire testing of cryogenic spill protection (CSP)

SP Fire Research has participated in developing a new test method, where test specimens are subjected to cryogenic cooling directly followed by jet fire exposure.

Mini-jet fire

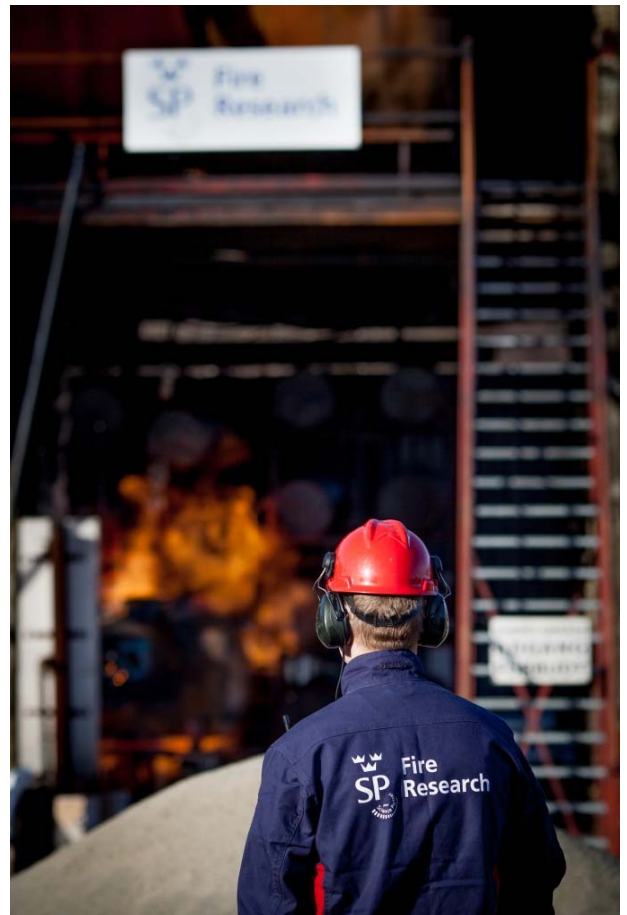
We have developed a smaller-scale test set-up, mainly used for product development and realistic screening tests. The mini-jet uses a premixed flame of air and propane to obtain similar flame temperature as a standard jet fire according to ISO 22899-1.

Contacts

Reidar Stølen
Tel. +47 402 40 347
reidar.stolen@spfr.no



Nina K. Reitan
Tel. +47 951 52 349
nina.reitan@spfr.no



SP Fire Research AS

P.O. Box 4767 Sluppen, NO-7465 Trondheim, Norway
Tel: +47 464 18 000. E-mail: post@spfr.no. Internet: www.spfr.no