

New jet fire test facilities at SINTEF NBL

The need for jet fire testing of passive fire protection, pressurized equipment, penetrations and other important equipment in the process industry is always present. It is also an important task for the industry, and contributes to assure that the safety is ensured. SINTEF NBL has long experience with both development and execution of the relevant test methods, and has been in close contact with the producers and classification companies (like DNV) to assist in the development and approval of the products. SINTEF NBL wish to expand this service in the near future. We would like to develop the test facilities to be able to offer a wider service to our collaborators.



The last years the test furnace and much of the test facilities have been build up for each test, due to other activities at the laboratory. This has caused much extra work and planning. In order to improve this situation, SINTEF NBL is at the momant planning to build a newdedicated jet fire test site. This will give

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us the uppportunity to offer tests independent on other activities at the laboratory, and in many cases make the execution of the tests more flexible. We think that all participants will benefit on this improvement, and that this is a contribution to a safer oil and gas industry, which is among the core of SINTEF's work.



We plan to build a concrete plate where all the test equipment can stand permanently. The test site should be supplied with, propane, water, electricity, compressed air, data acquisition system, video cameras and storage facilities. The test site will be consructed in a way so testing in winter time is also possible.

We want to offer jet fire tests with full test report as we do today, but we also want to offer cheaper, development tests where the costumers can organize much of the testing themself, with support from SINTEF as much as wanted. We would also like to develop this new test site so that it can serve our customers demands. Thus, if you have any comments, questions or reaction to this initiative, we would be glad to hear from you.

