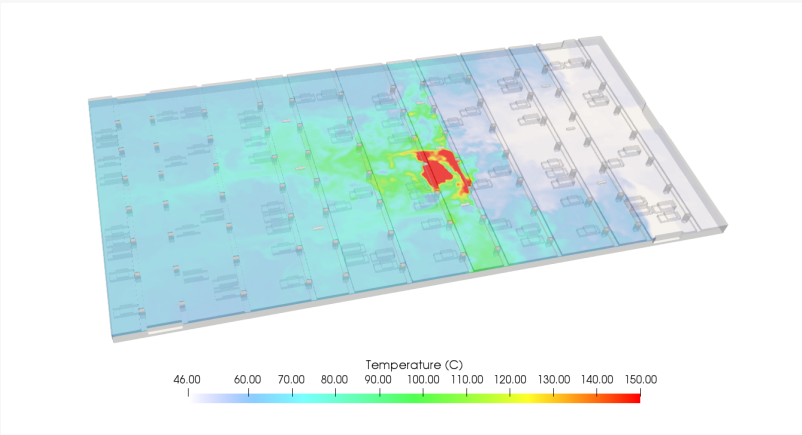
SimScale Announces a Preview Program of FDS for Simulation of Fire Scenarios in Buildings

The provider of the world's first cloud-based engineering simulation solution, launches Fire Dynamics Simulator (FDS) preview program.



Temperature distribution in a car park fire scenario with SimScale

MUNICH, BAVARIA, GERMANY, June 20, 2018 /EINPresswire.com/ -- SimScale ("SimScale"), the provider of the world's first cloud-based engineering simulation solution, today announced the launch of the Fire Dynamics Simulator (FDS) explorative preview program.

Fire Dynamics Simulator (FDS) is a solver developed by the National Institute of Standards and Technology (NIST) of the United States Department of Commerce, in cooperation with VTT Technical Research Centre of Finland. Throughout its development, FDS has been aimed at solving practical fire problems in fire protection engineering, while at the same time providing a tool to study fundamental fire dynamics and combustion.

> SimScale's CFD capabilities that are in production today, along with its seamless deployment, collaboration functionality, and scalability, have made it the tool of choice for many AEC companies."
>
> *David Heiny*

The preview program is a response to the request of many customers to combine the maturity and reliability of FDS for modeling fire and smoke with the convenience and scalability of SimScale's cloud-based simulation infrastructure. Most of these requests come from AEC (architecture, engineering, and construction) companies working on projects that require performance-based design, fire reconstruction, test planning, compliance with fire-related codes and standards, dispersion, calculation of smoke venting systems or indoor air quality.

"SimScale's CFD capabilities that are in production today, along with its seamless deployment, collaboration functionality, and scalability, have made it the tool of choice for many AEC companies. SimScale already helps these companies—including ARUP, WSP, Aqseptence Group among others—tackle engineering projects in the space of thermal comfort, industrial ventilation, building wind loads and pedestrian comfort. The request from these customers to extend SimScale's feature set to also cover fire and smoke scenarios seems like a natural next step for our development." said David Heiny, CEO and co-founder of SimScale.

The FDS preview program will explore and validate an offering of a simple workflow-driven interface for quick and robust modeling and visualization of complex fire scenarios in buildings, particularly parking garages and tunnels. Interested engineers and companies can apply for the program giving them a chance to shape the future workflow and user interface of the FDS integration, while in the

meantime having their fire management-related simulation projects solved by SimScale’s engineers.

Companies interested in joining SimScale's explorative FDS preview program and leveraging FDS for their projects can request more information through the Fire and Smoke Simulation in a Browser – Contact Form.

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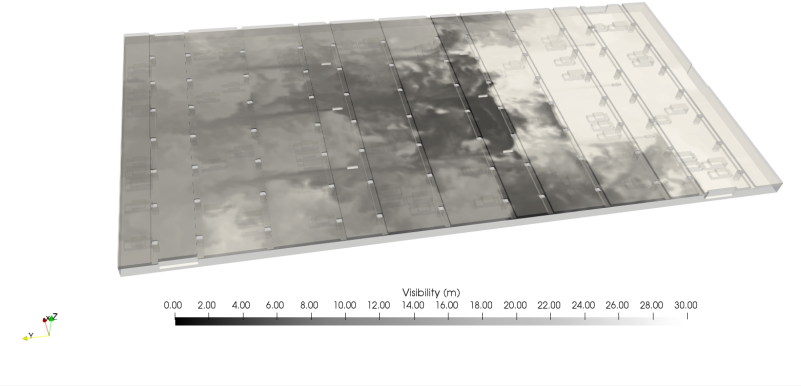

Smoke propagation in a car park fire scenario with SimScale