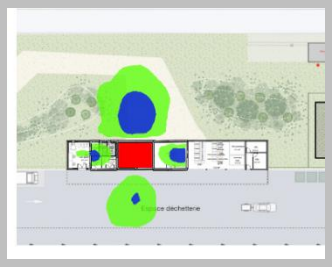
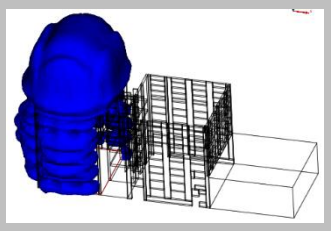
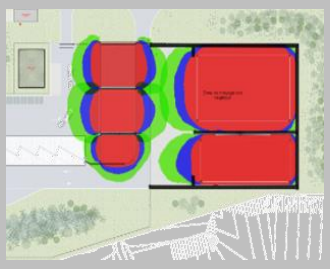
FLUIDYN-PANFIRE

Heat Flux

Solid and Liquid Fires

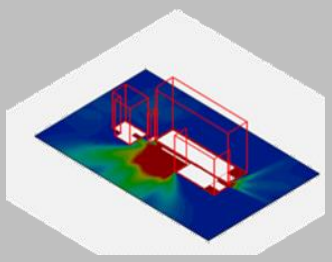






User friendly integrated tool for consultancy firms and industries

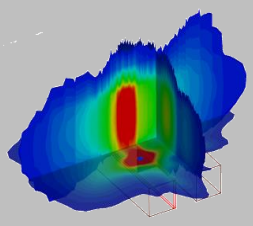
- 3D modelling of heat radiation generated due to combustion of stored products or from pool fires.
- Considers the 3D geometry of the warehouses and mitigation measures (firewalls) for simulations.
- Contour plots of the areas affected by heat radiation and comparison with statutory thresholds.
- HAZOP and HAZARD studies, warehouse configuration, design, and optimization of preventive and protective solutions…



3D Simulation of any type of fire scenarios

FLUIDYN-PANFIRE integrates various models to calculate the heat flux, adaptable to different scenarios:

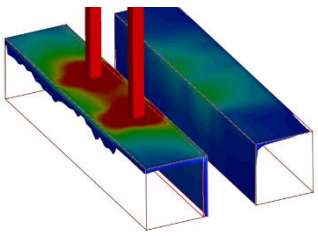
- Solid, dry bulk or rack,
- Pool fires in retention bunds,
- Fires inside buildings…

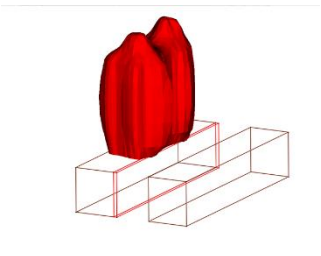


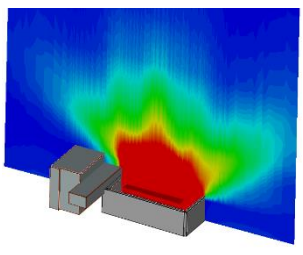
Il is based on the NFPA, GESIP (Blue guide), INERIS and TNO (Yellow book) protocols. The software methodology is equivalent to that of FLUMILOG, and statutory regulations are into account.

The user may define the site interactively, by specifying the location of the storage and stock characteristics, the firewall and sprinkler locations and if necessary, the topography.

The advanced post-processing model integrated in the software permits the user to generate 3D plots of iso-surfaces, concentration contours and sections to study the effects of heat radiation.







Bâtiment IRIS Hall B
84 Rue Charles Michels
93200, Saint Denis
France
+33 (0)1 42 43 16 66
contact@fluidyn.com