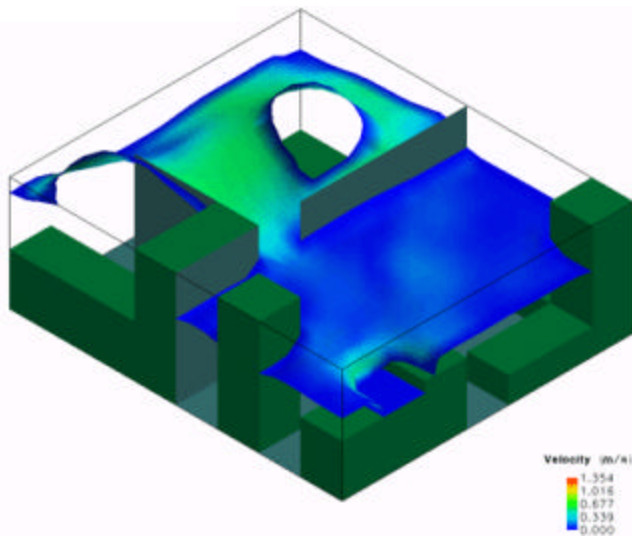


Chemical Leaks, Atmospheric Pollution, and Fire/Smoke Propagation

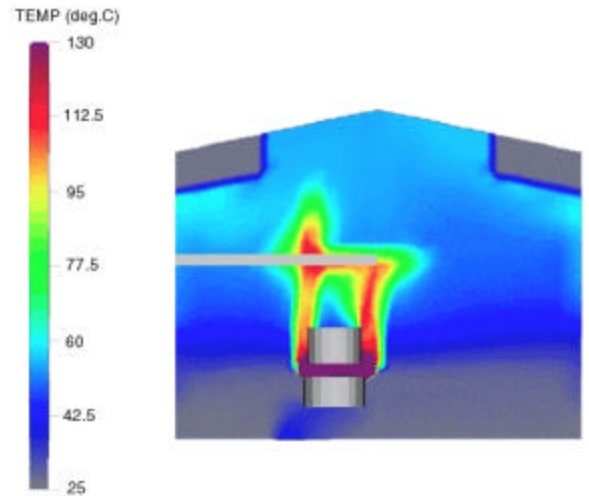
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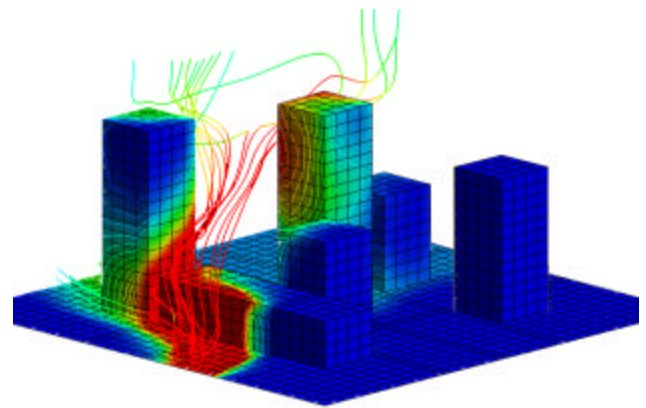
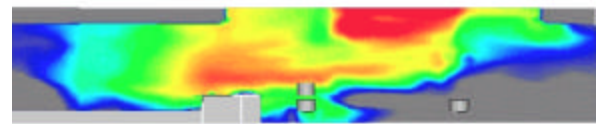
These examples show typical environmental applications for which Computational Fluid Dynamics is used to perform detailed flow analysis in urban settings or buildings. Accurate knowledge of flow structures and species concentrations is critical to predict fire propagation, smoke dispersion, and the risk of atmospheric and water pollution due to an accidental chemical release.



Methane Leak in Apartment Settings



Charge / Post-Charge
Smoke Concentration



Fire Propagation and smoke dispersion
in urban environments

STORM®/CFD2000®

A powerful computational fluid dynamics software program developed by Adaptive Research. STORM/CFD2000 solves real-world engineering problems by simulating virtually any physical process involving fluid flow and heat transfer.