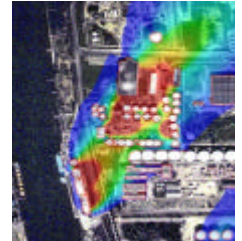


THE FLUIDYN SOFTWARE CATALOG

General platform	<p><i>fluidyn</i>-MP Multiphysics</p>
Specific modules Methods	<p><i>fluidyn</i>-NS : Computational fluid dynamics</p> <p><i>fluidyn</i>-FSI : Fluid-structure interactions</p> <p><i>fluidyn</i>-CHT : Heat transfer</p> <p><i>fluidyn</i>-CAF : Acoustics - Vibrations</p>
Specific modules Domains	<p><i>fluidyn</i>-PANACHE family : Atmospheric dispersion</p> <p><i>fluidyn</i>-VENTIL family : Indoors phenomena</p> <p><i>fluidyn</i>- FLOWSOL family : Water dispersion /hydraulics</p> <p><i>fluidyn</i>- dB family : Noise</p>
Specific modules Applications	<p>Software tailored to a unique need / application-oriented :</p> <ul style="list-style-type: none">Specific interfacePredefined geometries and meshAppropriate solvers and numerical methodsState-of-the-art physical models

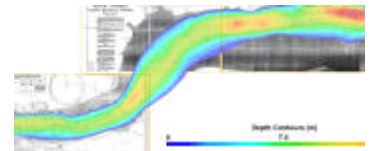
fluidyn-PANACHE FAMILY

- fluidyn-PANAIR** Urban air quality
- fluidyn-PANEIA** Industrial impact on air quality
- fluidyn-PANEPR** Accidental dispersion and emergency planning and response
- fluidyn-PANREG** Regional air quality
- fluidyn-PANROAD** Road traffic impact on air quality
- fluidyn-PANAIRPORT** Airport impact on air quality
- fluidyn-PANEOLE** Wind turbine potential evaluation
- fluidyn-PANFIRE** Thermal fluxes for solid and liquid fires
- fluidyn-PANWAVE** Wave effect and loads on retention walls and bunds
- fluidyn-ASSESS-RISK** Risk analysis of chemical and petrochemical sites



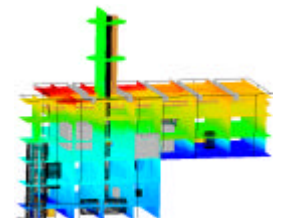
fluidyn-FLOWSOL FAMILY

- fluidyn-FLOWRIVE** River hydraulics
- fluidyn-FLOWPOL** Dispersion of pollutants and thermal plumes in surface waters
- fluidyn-FLOWOIL** Heavy fuel dispersion in water
- fluidyn-FLOWSED** Erosion and sediment transport
- fluidyn-POLLUSOL** Underground water quality



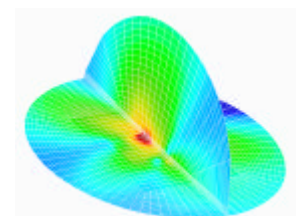
fluidyn-VENTIL FAMILY

- fluidyn-VENTCLIM** Ventilation and air conditioning
- fluidyn-VENTEX** Explosions
- fluidyn-VENTMINE** Mine ventilation
- fluidyn-VENTUNNEL-Road** Road tunnels ventilation
- fluidyn-VENTUNNEL-Rail** Rail tunnels ventilation



fluidyn-dB FAMILY

- fluidyn-dB** Industrial noise evaluation
- fluidyn-ROADdB** Traffic noise evaluation
- fluidyn-AVNOISE** Aircraft noise



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