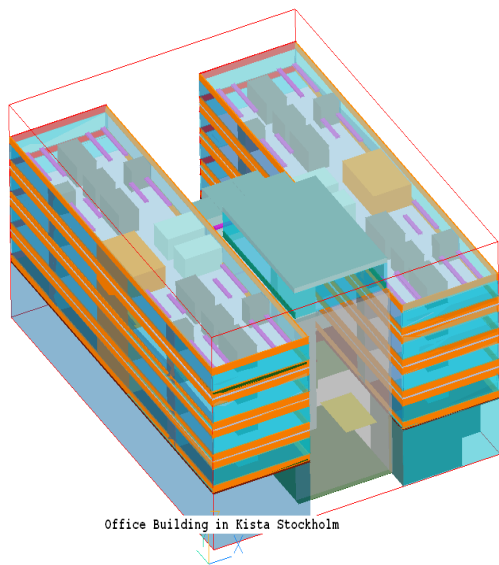




**CHAM Limited**  
*Pioneering CFD Software for Education & Industry*

## PHOENICS-2009 Training Course Programme

**Dates:** As advertised  
**Time:** 09.30 to 16:30  
**Venue:** CHAM, London



Office Building in Kista Stockholm

### Day 1

09:30 - 13:00

Overview of PHOENICS

- PHOENICS Commander

PHOENICS-VR Environment

- Loading and saving cases
- Loading library cases
- Running Modules

PHOENICS-VR Editor

- Handset functions
- Main menu functions
- Object types and dialogs

PHOENICS-VR Viewer

- Handset functions
- Saving animations

Workshop

14:00 - 16:30

Creation of user geometries

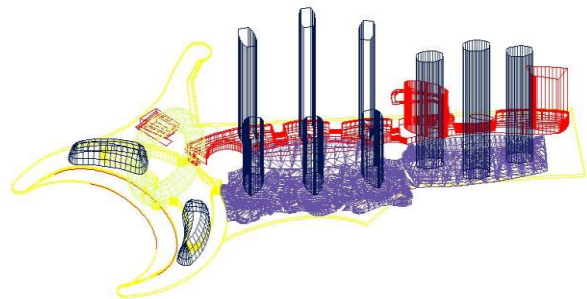
- Shapemaker
- AC3D

Importing geometries from CAD

- Importing STL files
- Importing DXF files
- Repairing defective geometries

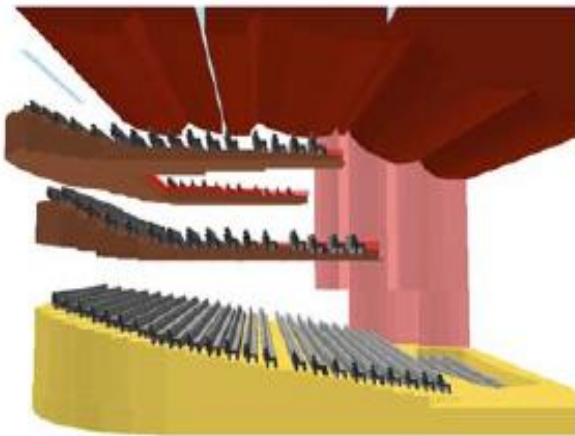
Workshop

Close





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**Day 2**

09:30 - 13:00

Theory

- Mathematical basis of PHOENICS
- Solution techniques
- Convergence control

Meshing

- Setting grids
- Interaction with PARSOL

Workshop

14:00 -16:30

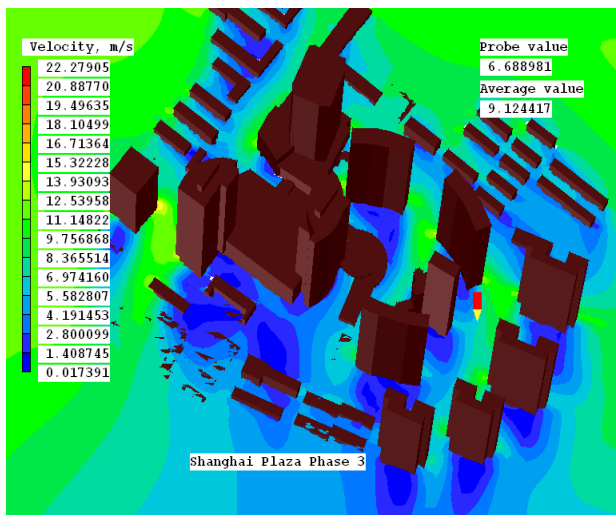
Overview of FLAIR

- Comfort indices
- Smoke and visibility
- Fires
- Sprinklers
- Jetfans
- Diffusers

Transient Operation

- Setting time steps
- Restarting
- Visualising

Workshop



**Day 3**

09:30 - 13:00

Overview of physical models

- Turbulence modelling
- Radiation

Working with Assembly Objects

Workshop

14:00 16:30

Code modification

- IN-FORM

Working with Transfer Objects

Workshop

Close