ONE STEP AHEAD

BIM
Building
Information
Modelling

3D drawings:
the future of design

1. DESIGN STEP

2. RENDERING

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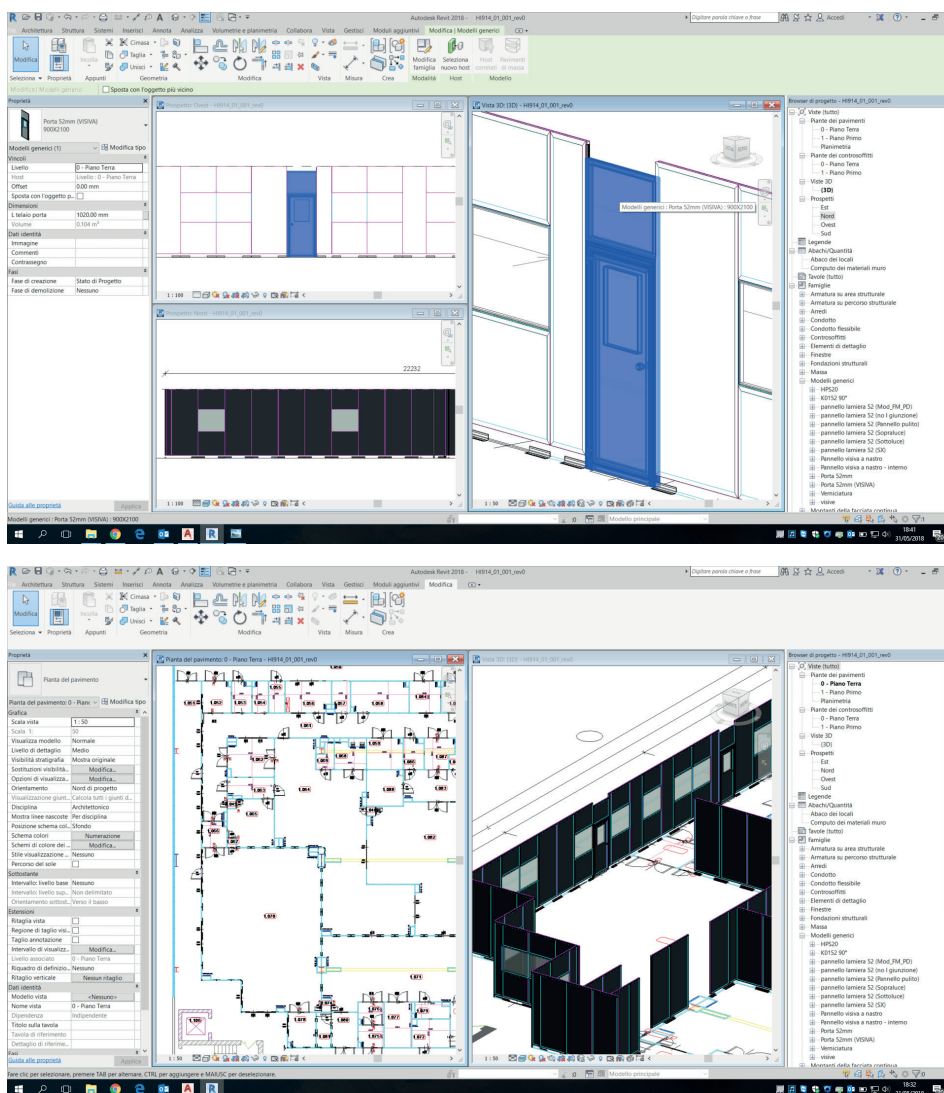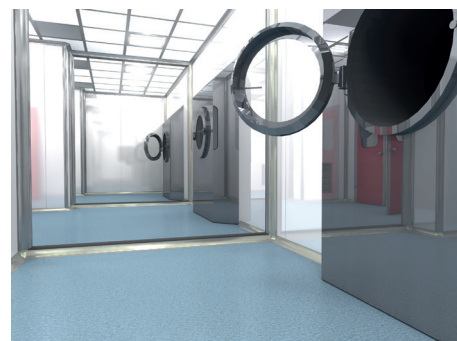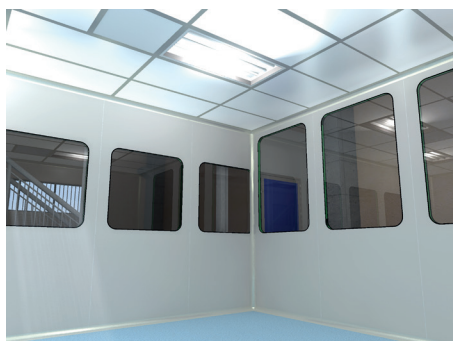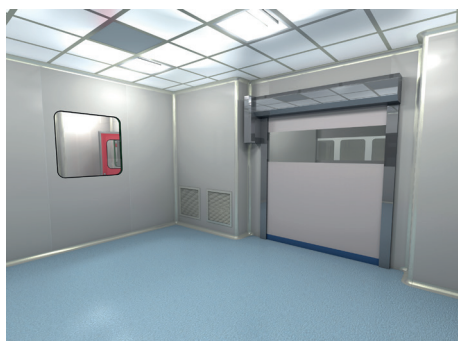
CFD

CFD computational fluids dynamic, very advanced
software to simulate the air movement inside
the cleanroom, helping to design ventilation system
avoiding turbulence, low air speed zones, areas
outside the main stream

Velocity: Magnitude (m/s)

LEAKAGE
General view

Front View   Top View

Velocity: Magnitude (m/s)
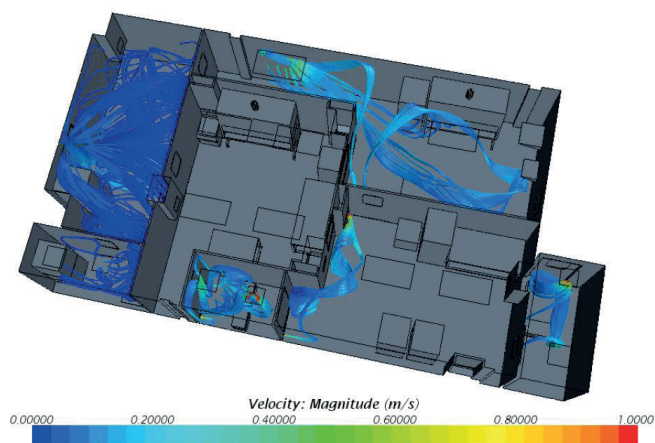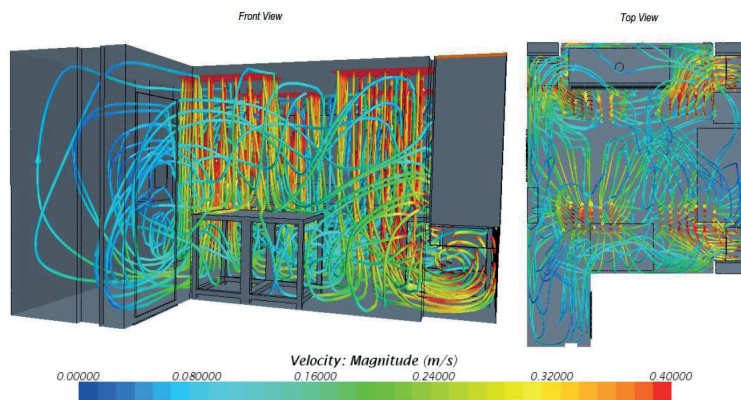
B-LAB STREAMLINES
Range 0-0.4 m/s

B-LAB – AGE OF AIR

Isosurface Time = 48 sec
(75 air changes)

The iso-surface divides the space in 2 zones:
1. Compliant air changes: age of air < 48 s.
2. Not compliant air changes: age of air > 48 s