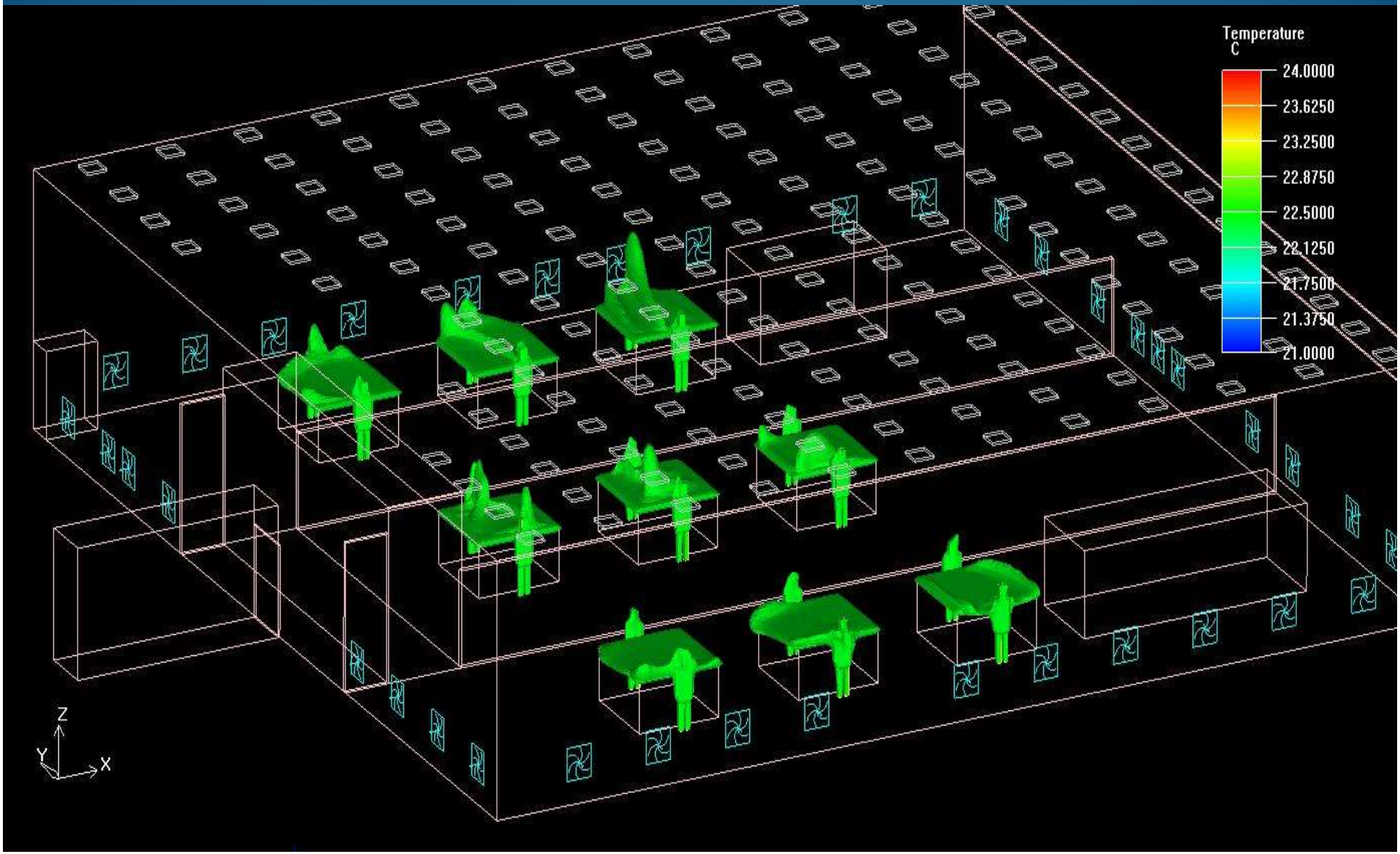
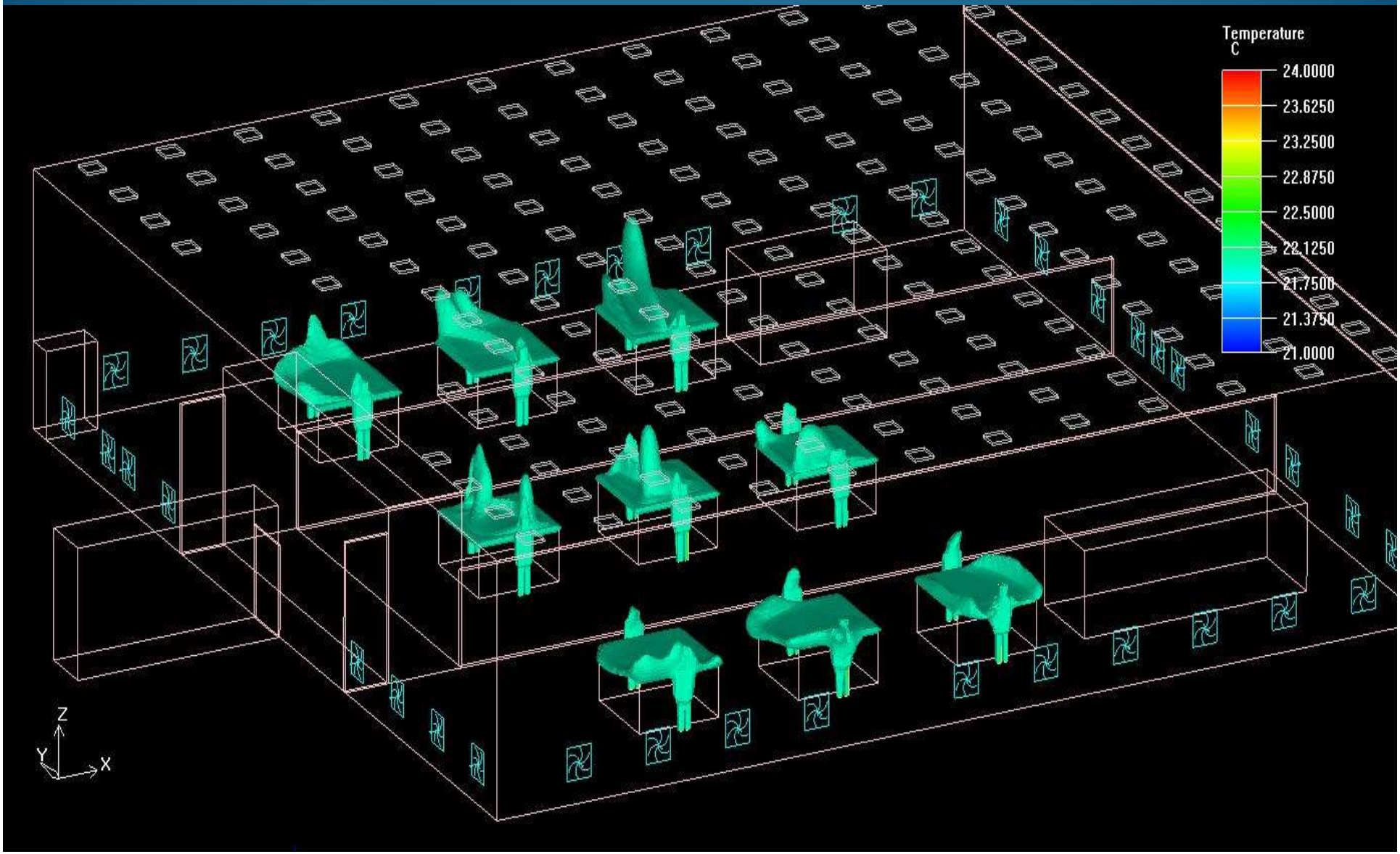
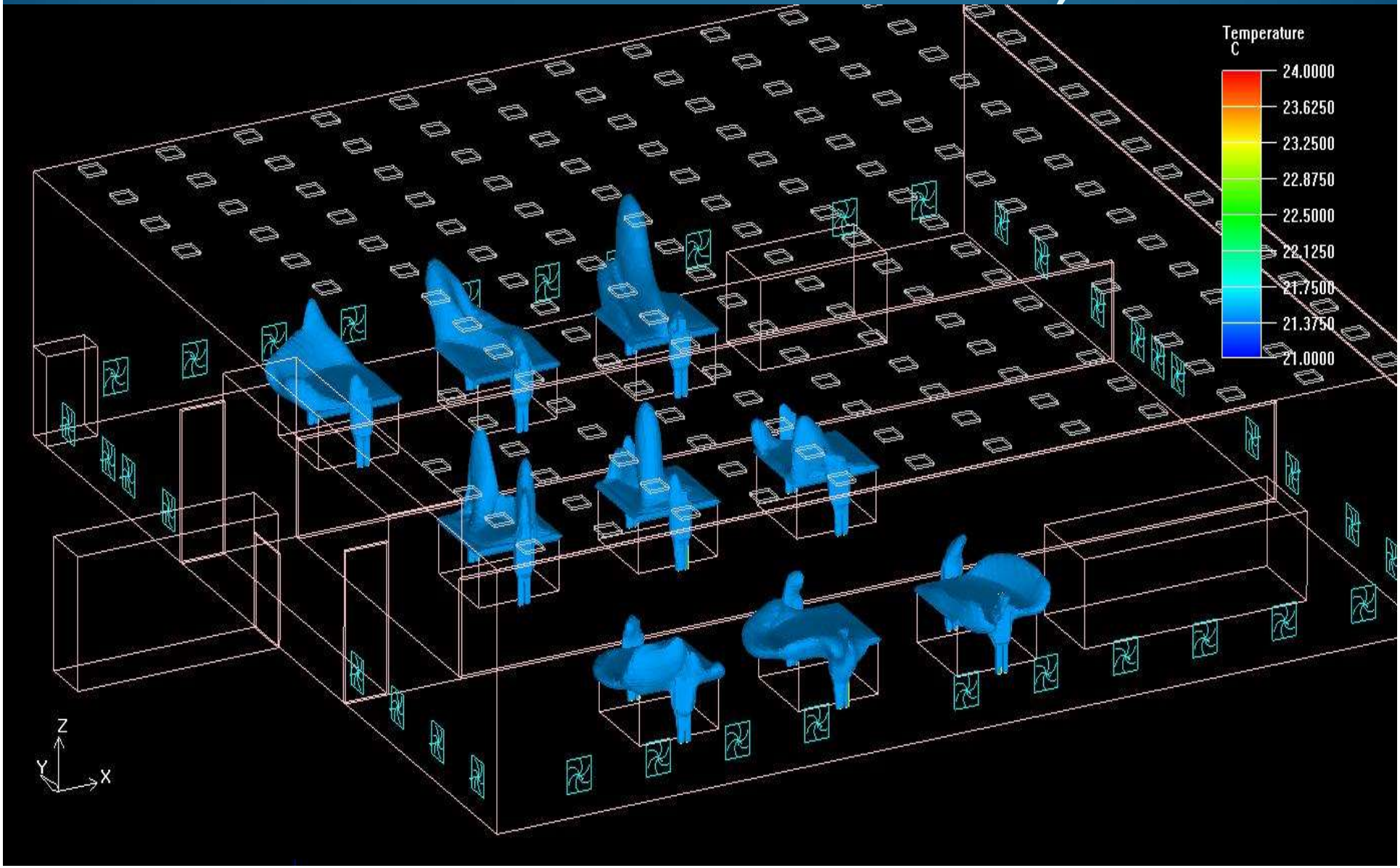
Izotermikus felület T=22,5°C



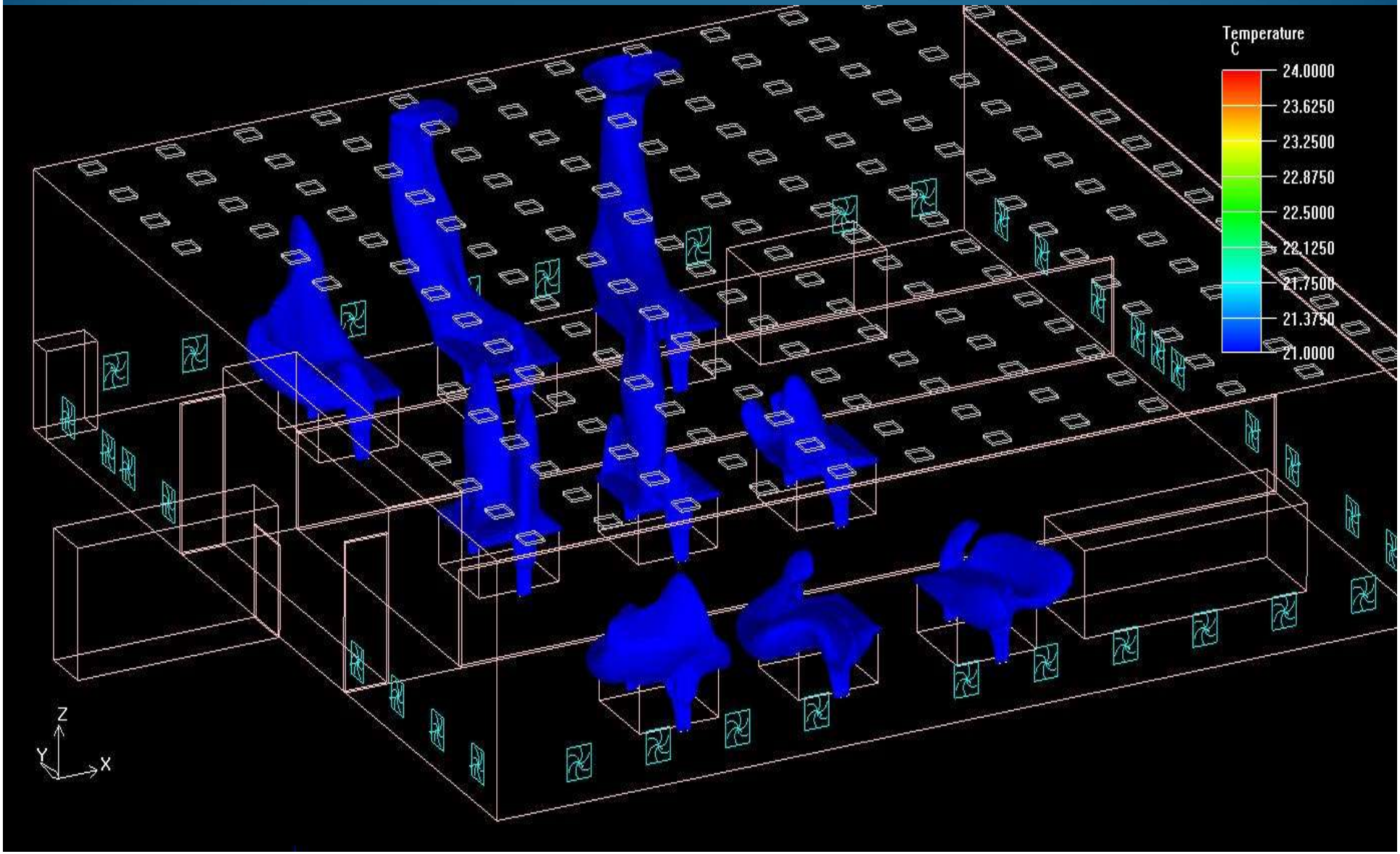
Izotermikus felület T=22°C

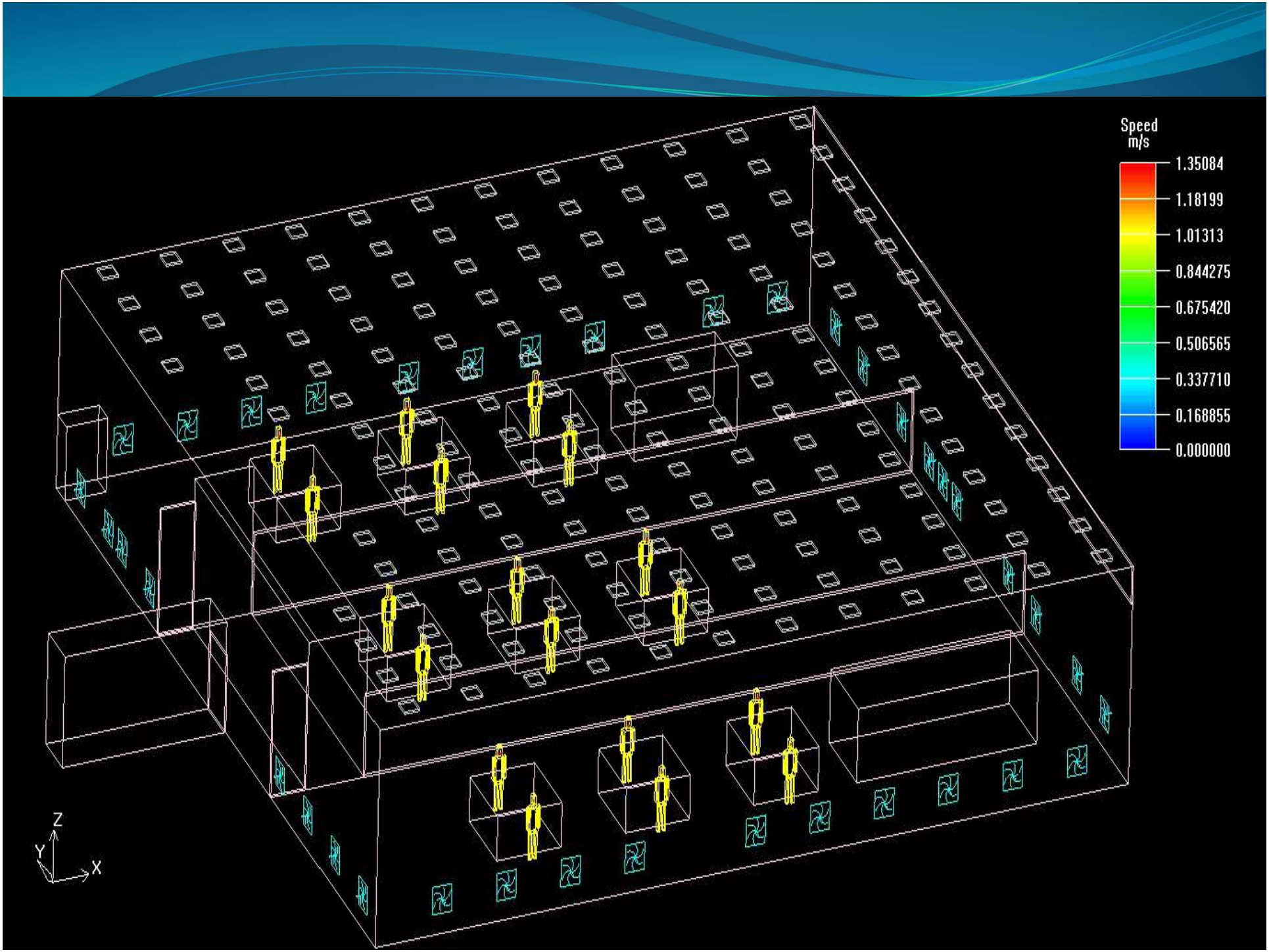


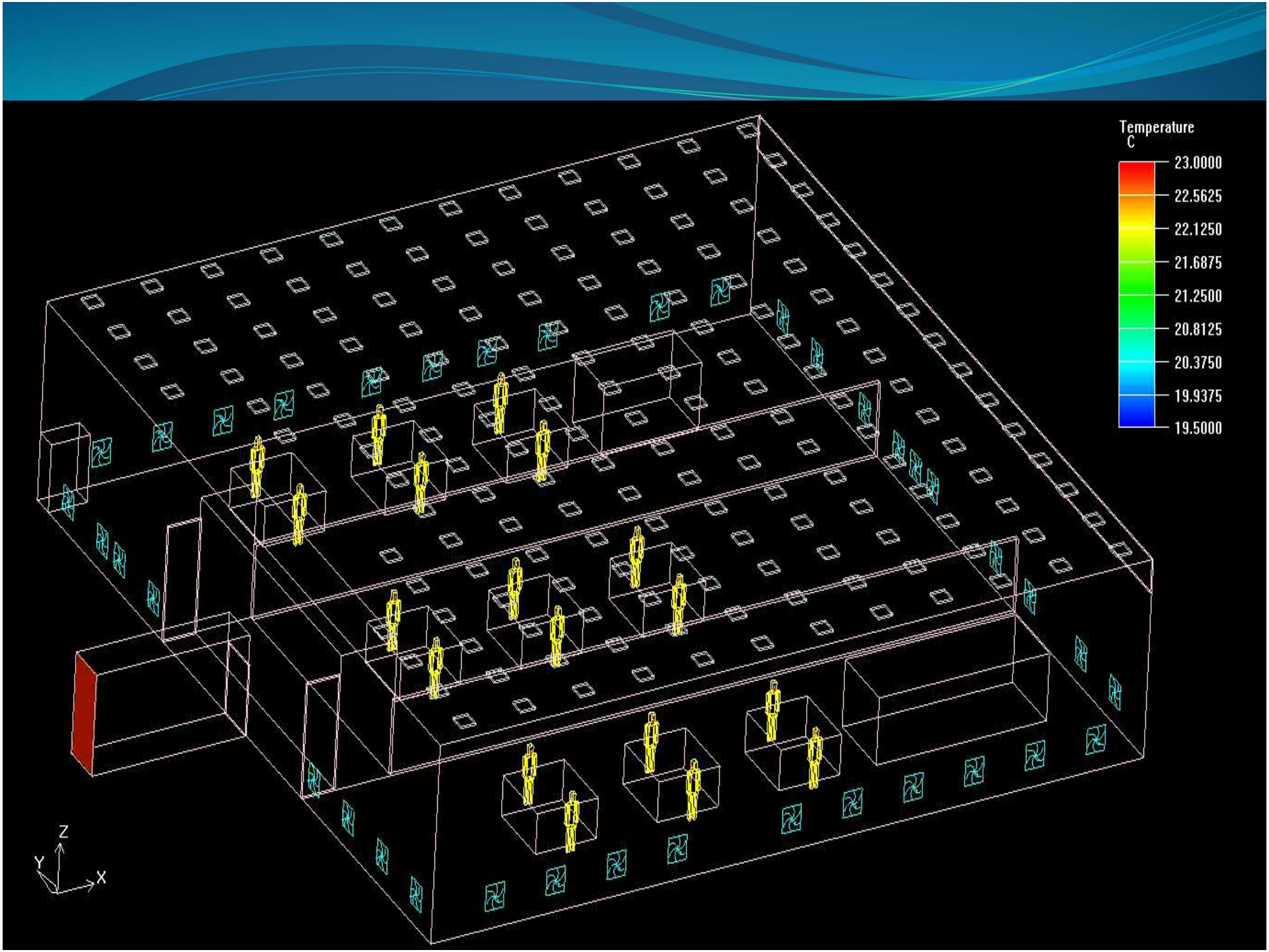
Izotermikus felület T=21,5°C

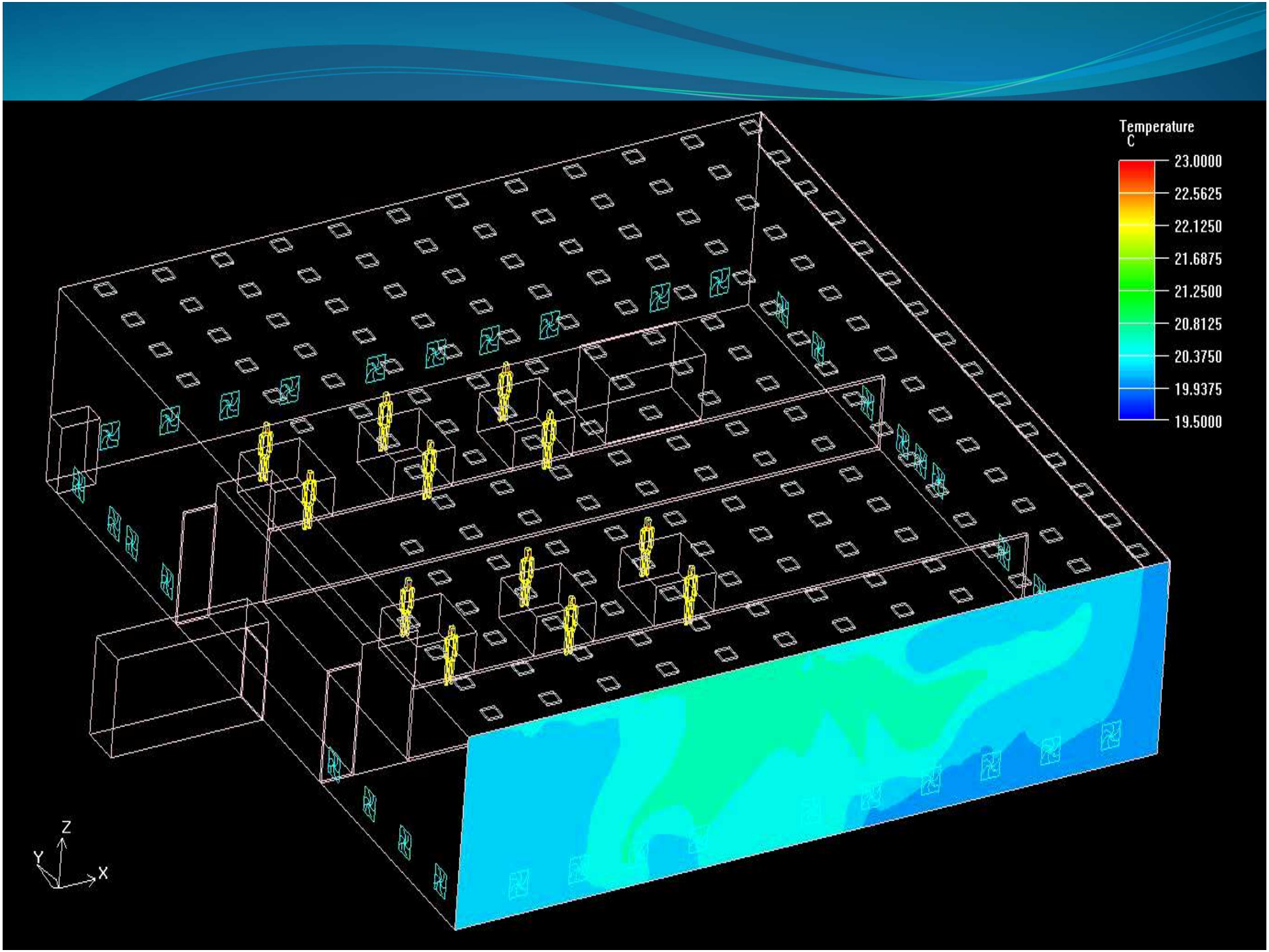


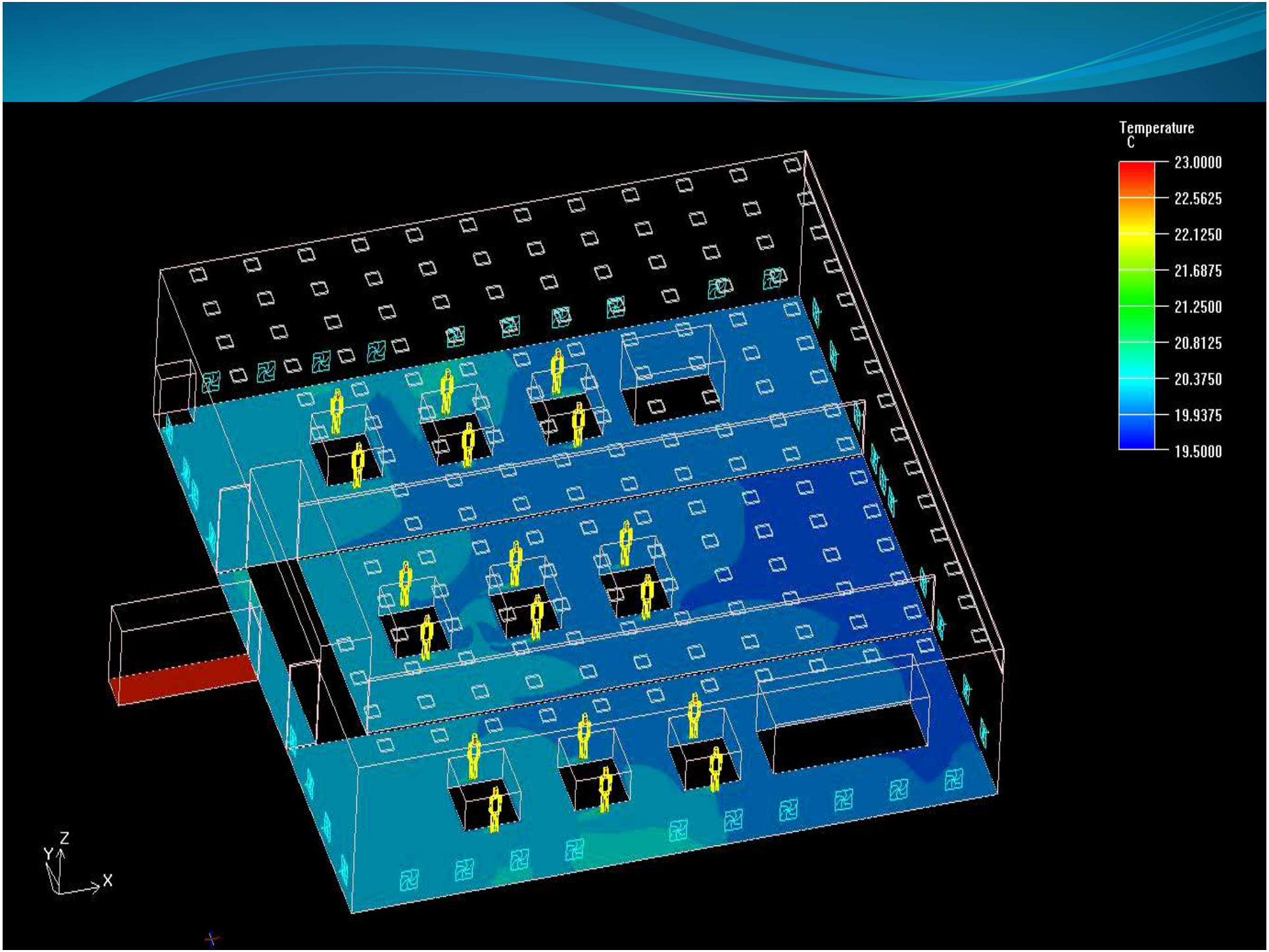
Izotermikus felület T=21°C



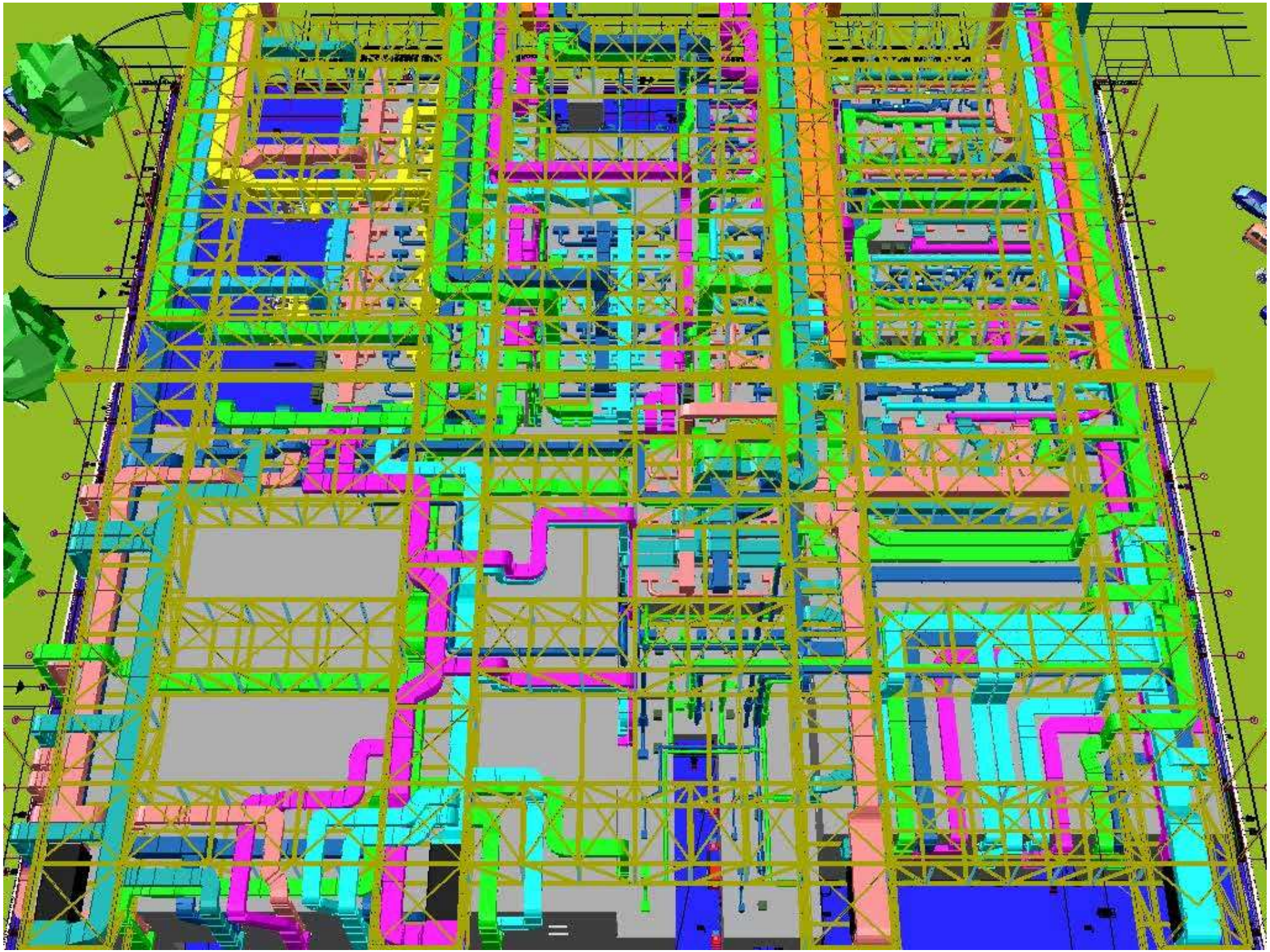

Speed
m/s
1.35084
1.18199
1.01313
0.844275
0.675420
0.506565
0.337710
0.168855
0.000000
Z
Y
X


Temperature
C
23.0000
22.5625
22.1250
21.6875
21.2500
20.8125
20.3750
19.9375
19.5000
Z
Y
X


Temperature
C
23.0000
22.5625
22.1250
21.6875
21.2500
20.8125
20.3750
19.9375
19.5000
Z
Y
X


Temperature
C
23.0000
22.5625
22.1250
21.6875
21.2500
20.8125
20.3750
19.9375
19.5000
Z
Y
X

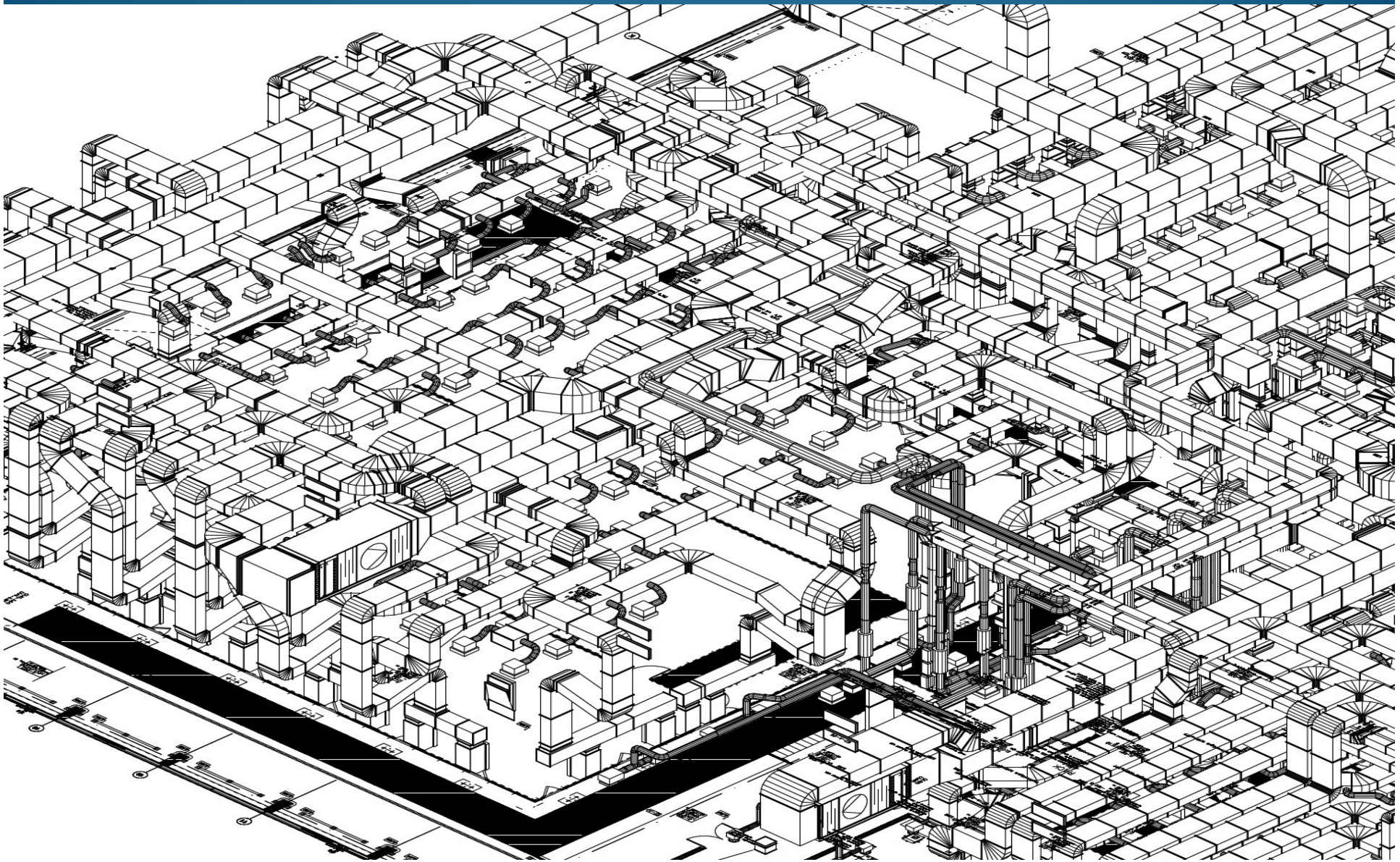
Méretezés eredménye - Tervezett rendszer



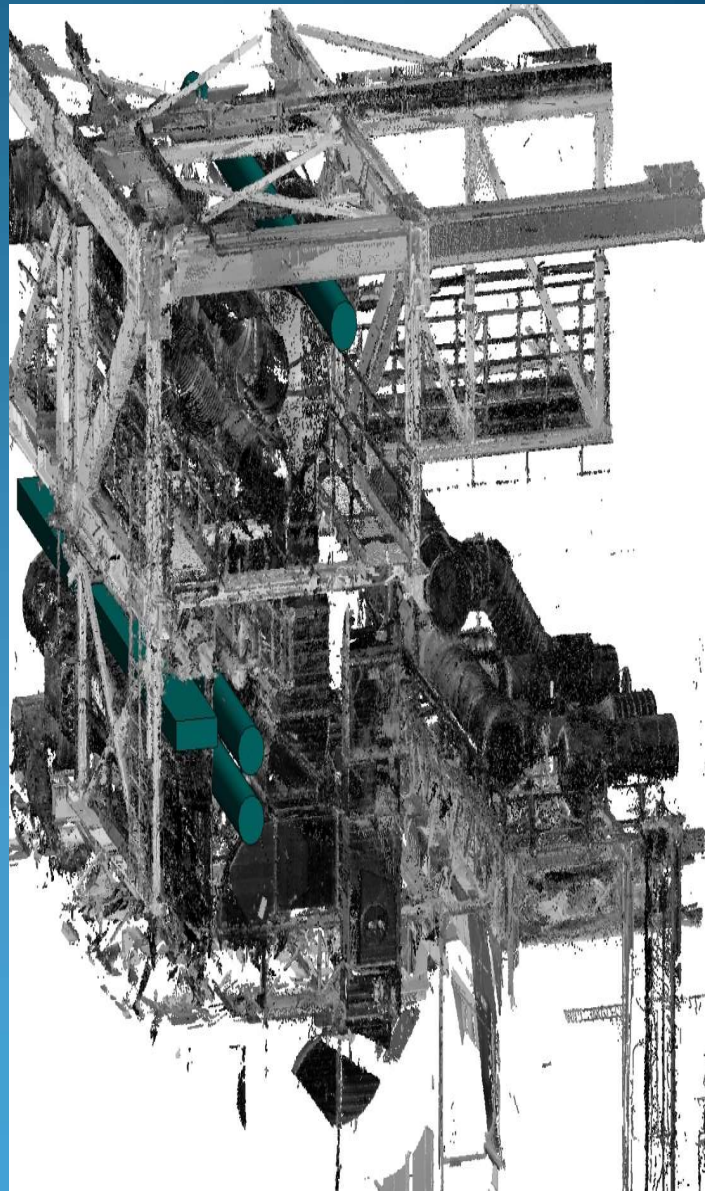
A tervező mérnöki munka a gyakorlatban

ORCSI ATTILA

A tervezett légtechnika



A megvalósult állapot lézer-szkennelt felmért gépészete




A
B
C
D
+20,00
±0,000
+15,60
+15,60
+15,60
+15,60
+10,15
+20,00
+20,00
-0,05
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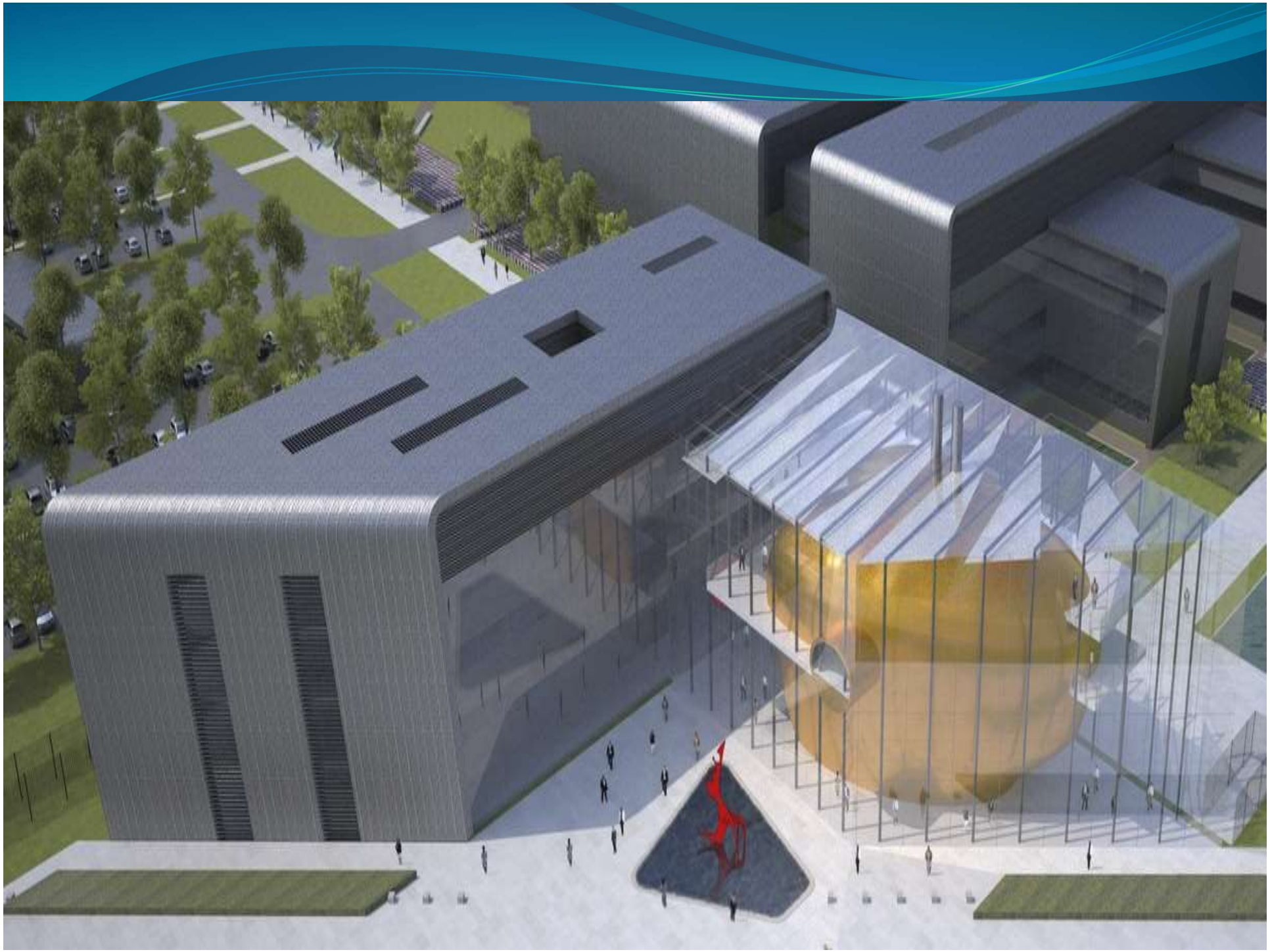
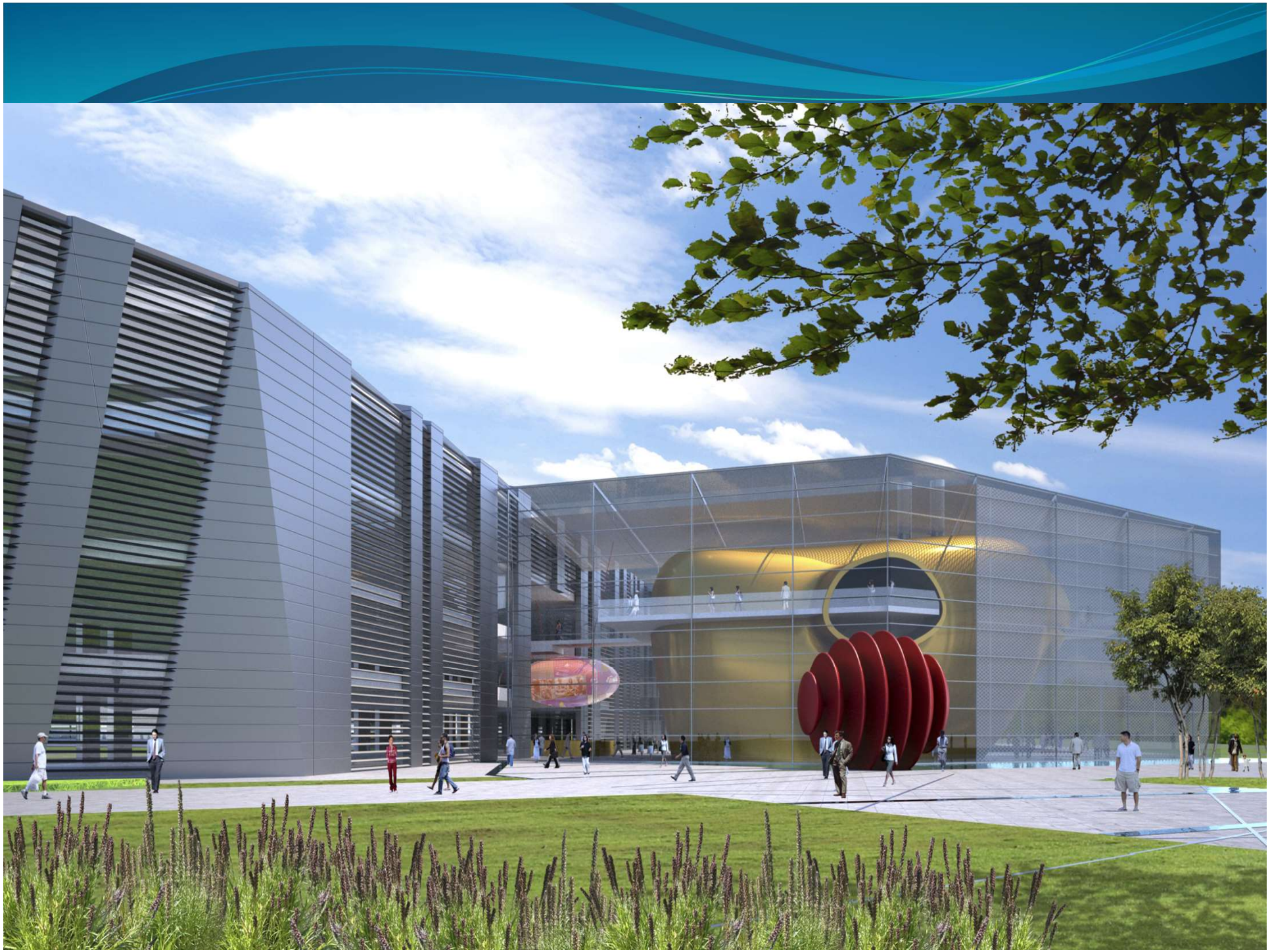
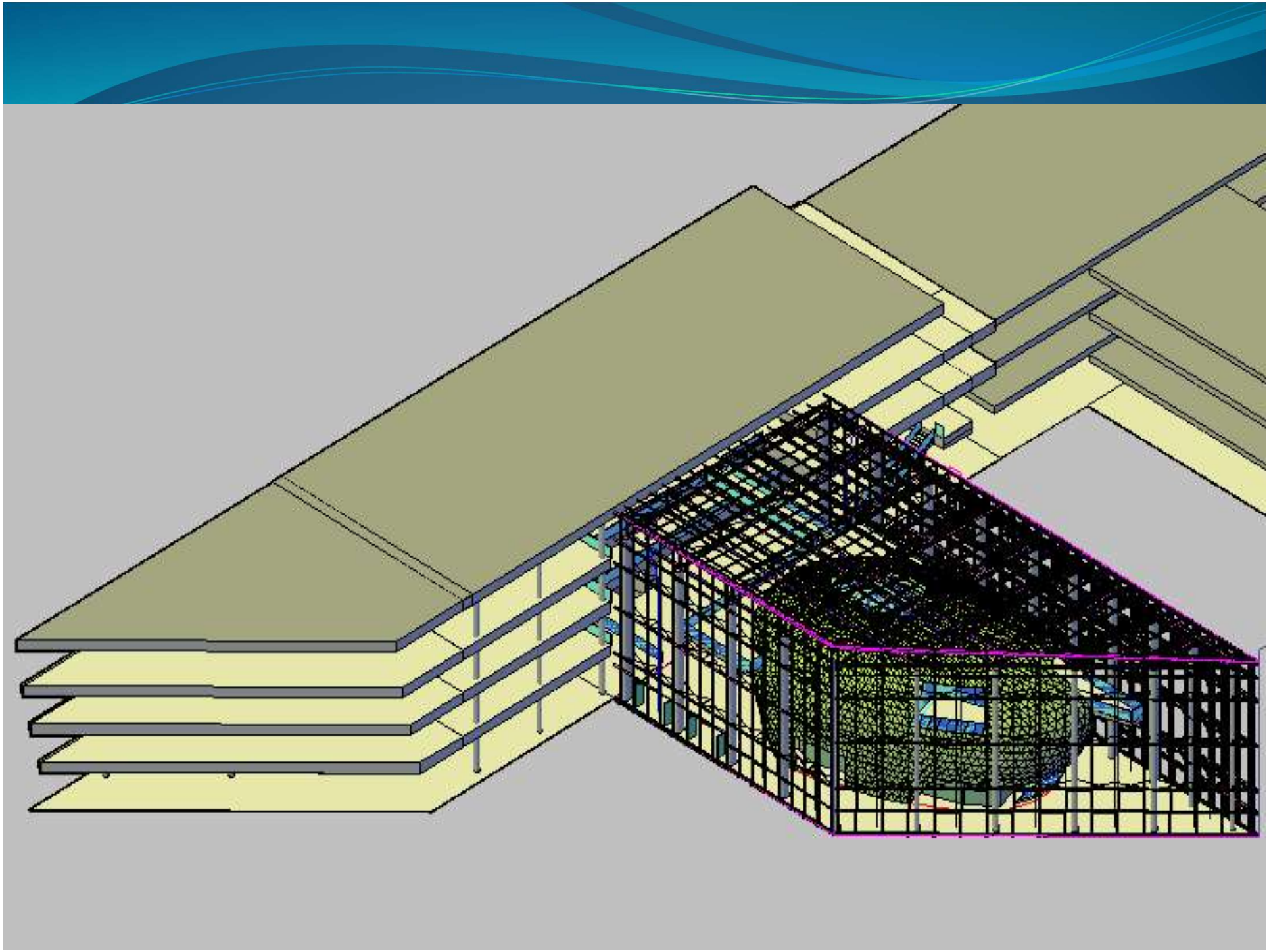
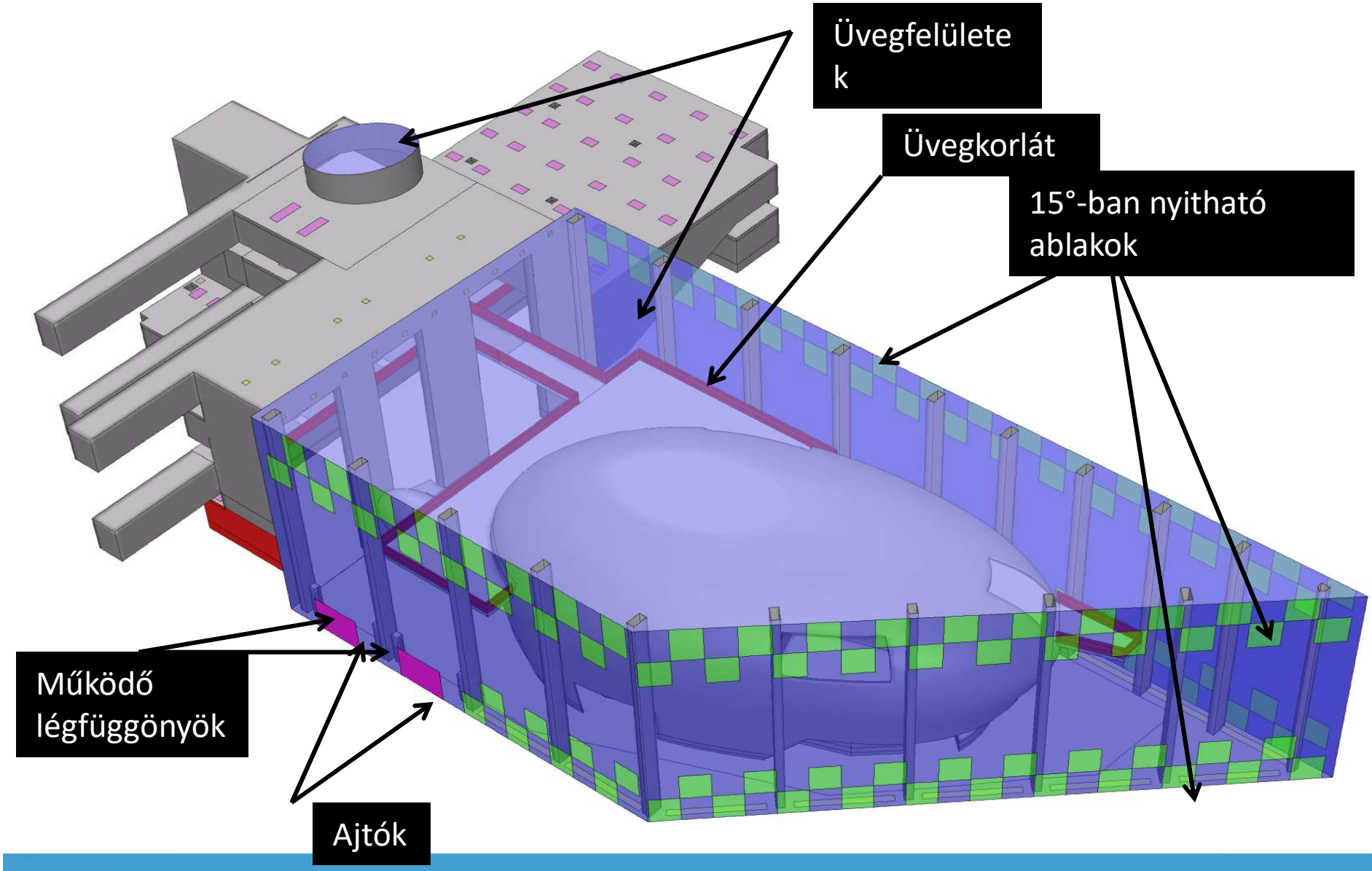
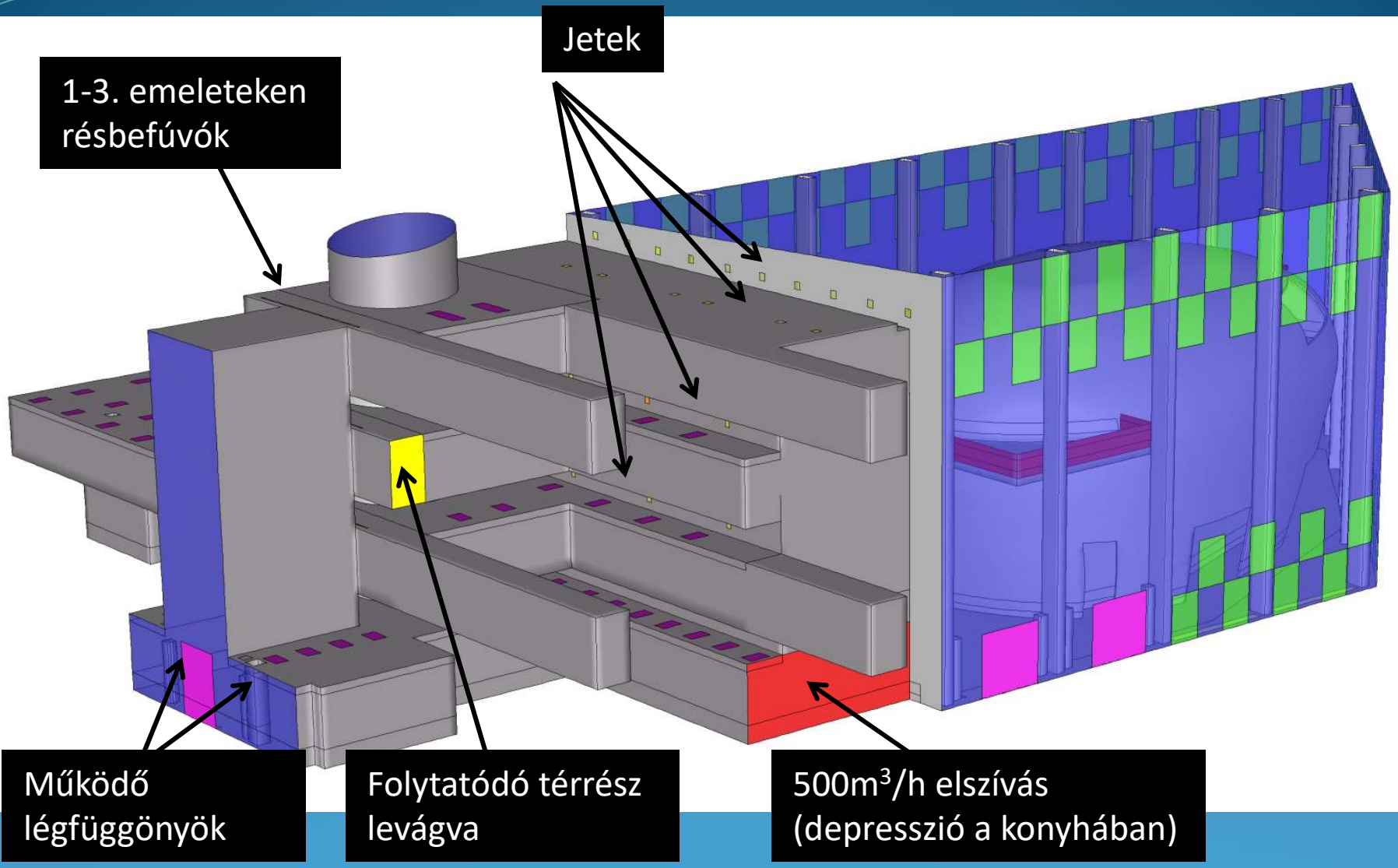
+17,30
+17,30
-0,30
-0,05
-0,05

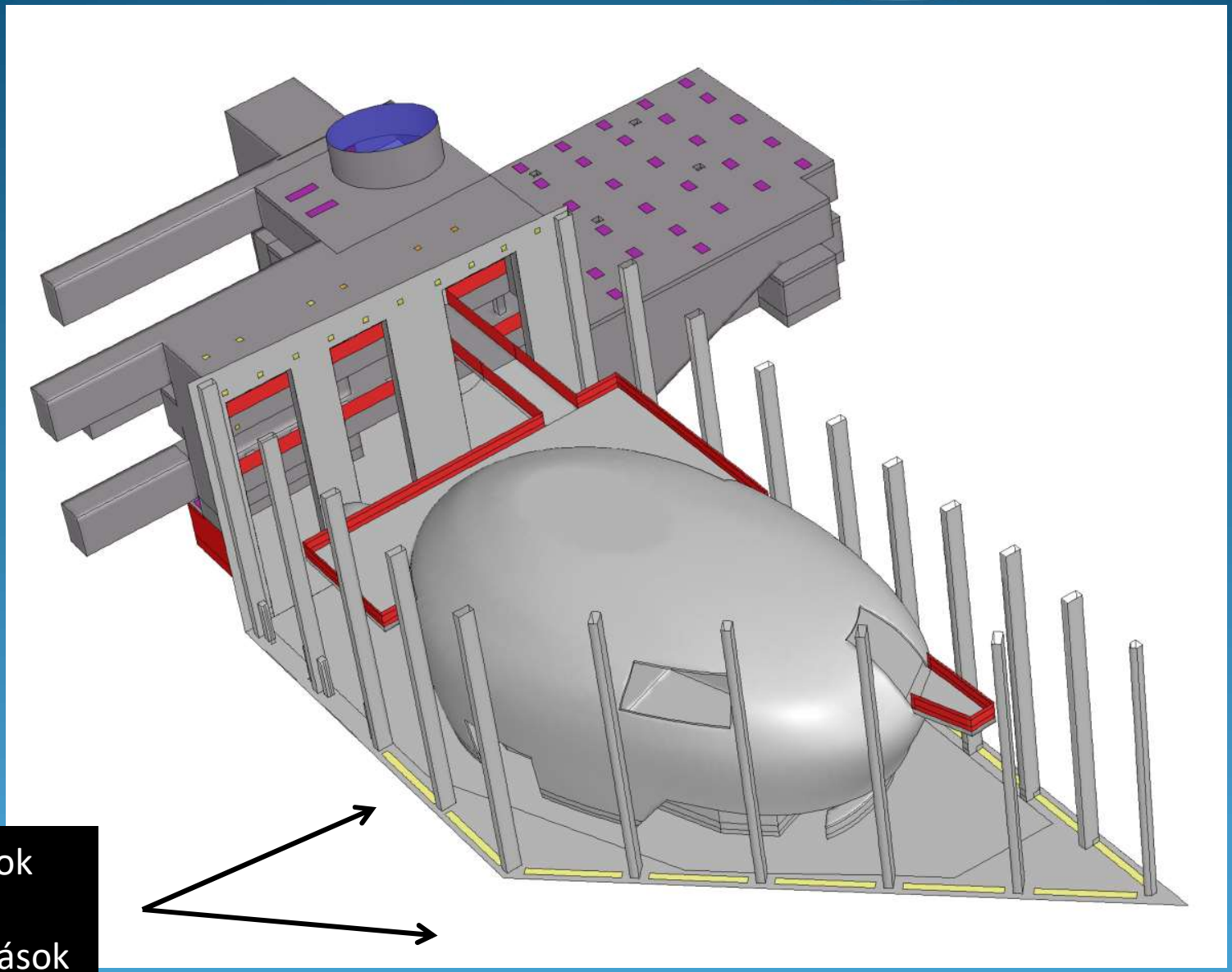




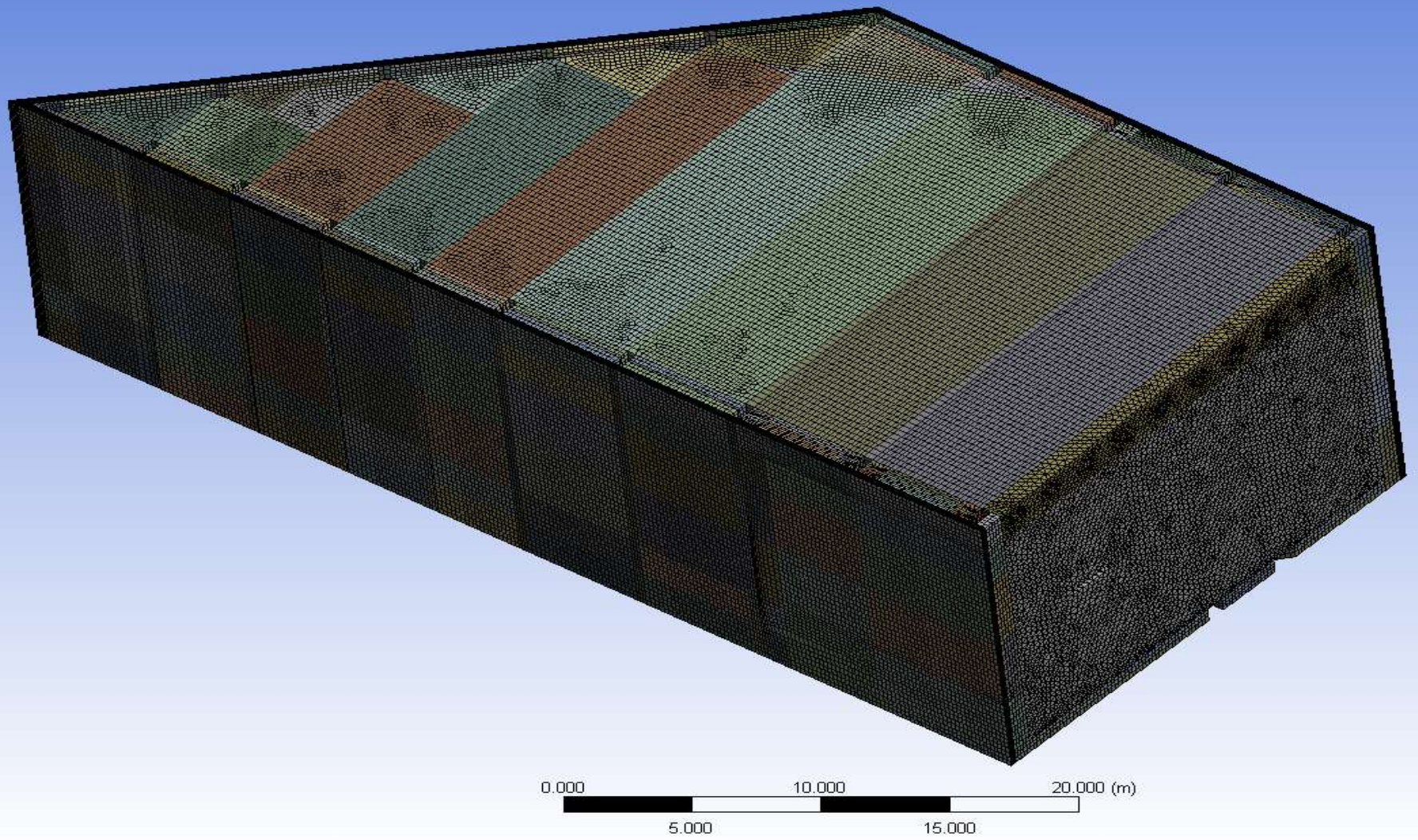



Üvegfelülete
k
Üvegkorlát
15°-ban nyitható
ablakok
Működő
légfüggönyök
Ajtók

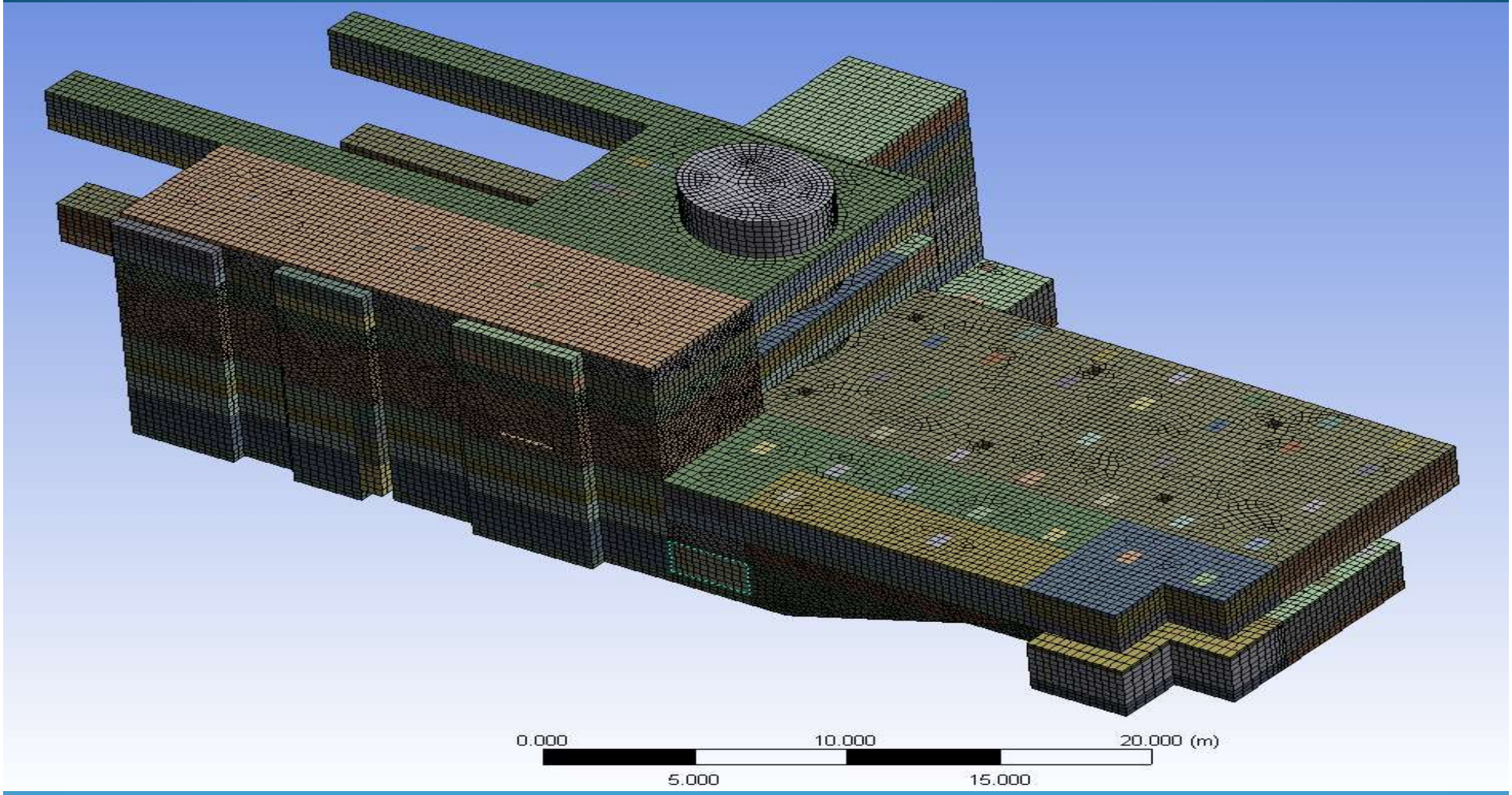

Jetek
1-3. emeleteken résbefúvók
Működő légfüggönyök
Folytatódó térrész levágva
500m3/h elszívás (depresszió a konyhában)

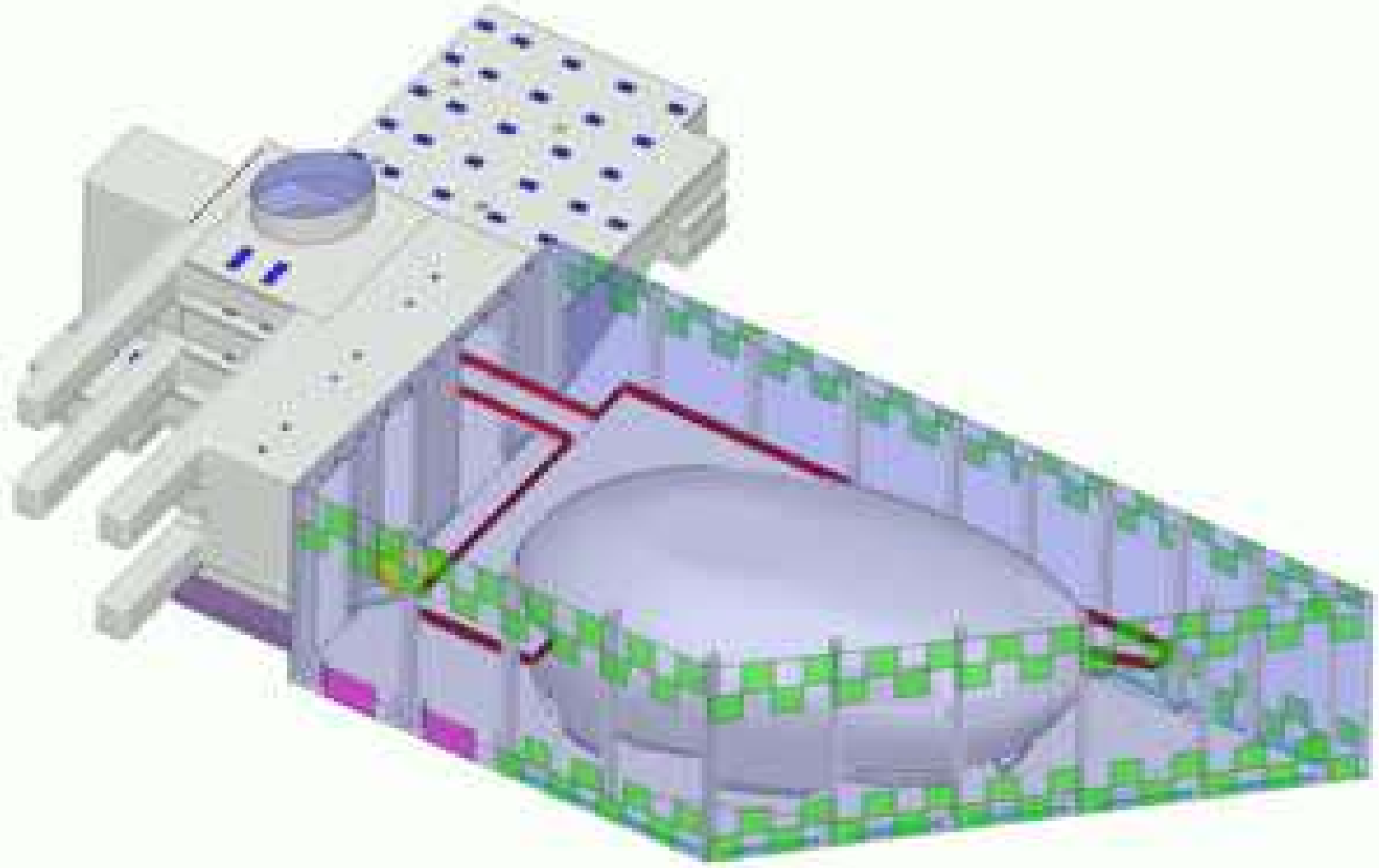

Ablakok előtti befúvások

Numerikus háló 1.

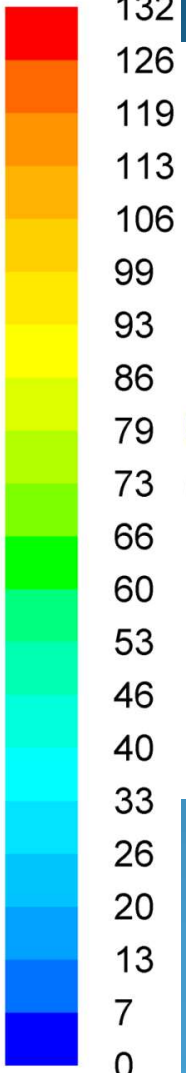


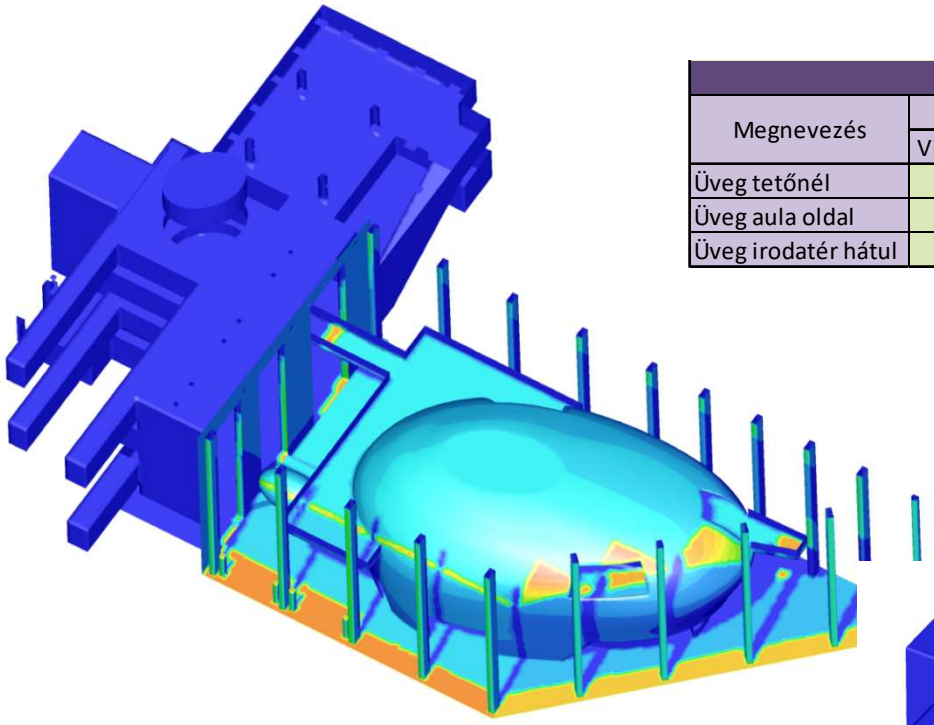
Numerikus háló 2.



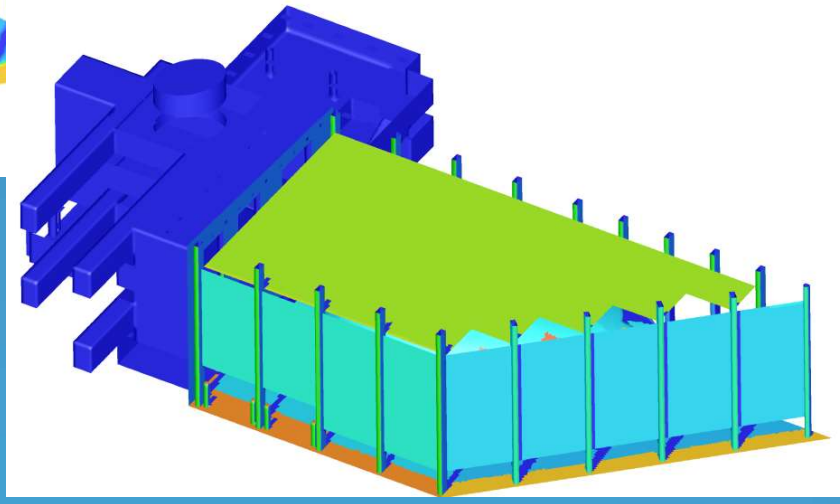


Napsugárzásból adódó hőterhelések [W/m²]

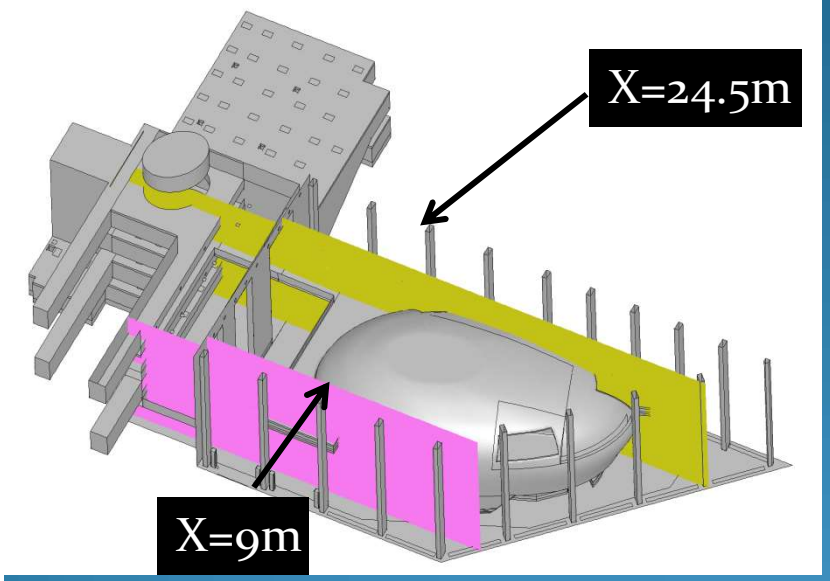


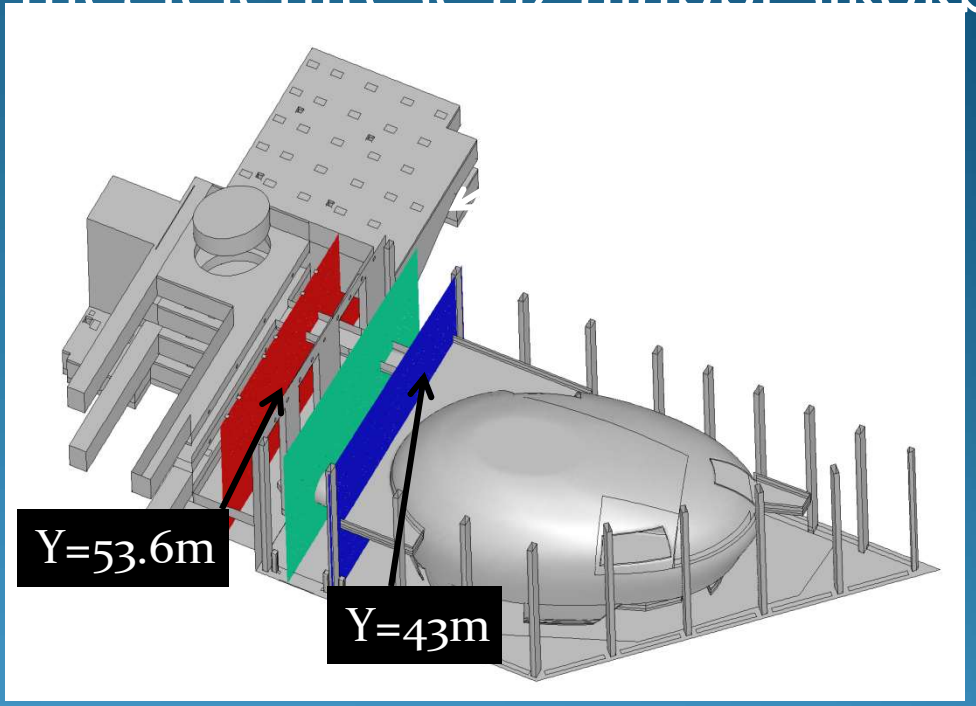


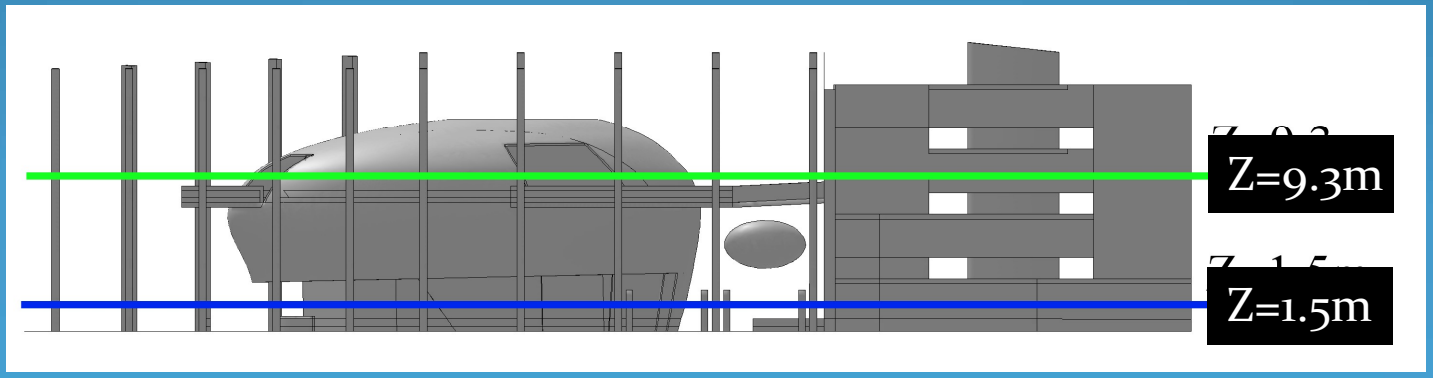
SunGuard üvegek hőtechnikai jellemzői					
Megnevezés	Napenergia			U [W/m2K]	Típus
	Visszaverődés %	Elnyelődés%	Áteresztés %		
Üveg tetőnél	43	36	21	1.0	SN 40/23
Üveg aula oldal	40	34	26	1.0	SNX 80/28
Üveg irodatér hátul	39	26	35	1.0	SN 70/37



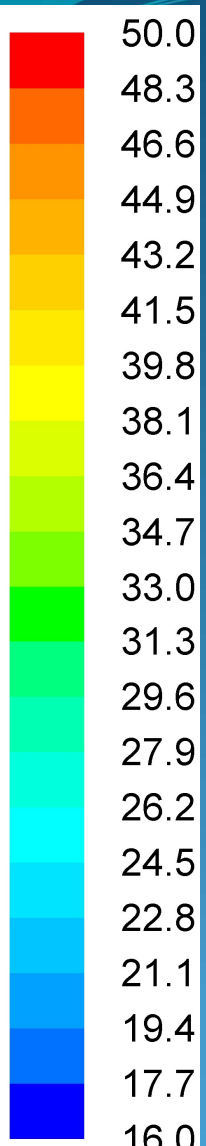
Kontúr eredmények megjelenítése az alábbi síkokban

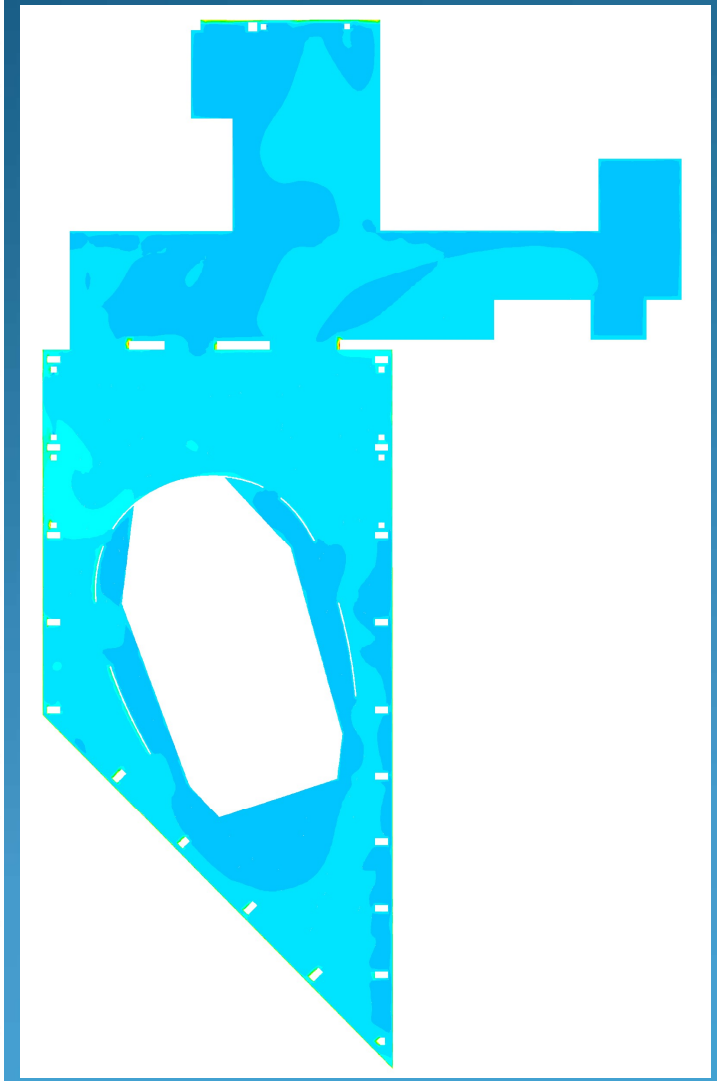




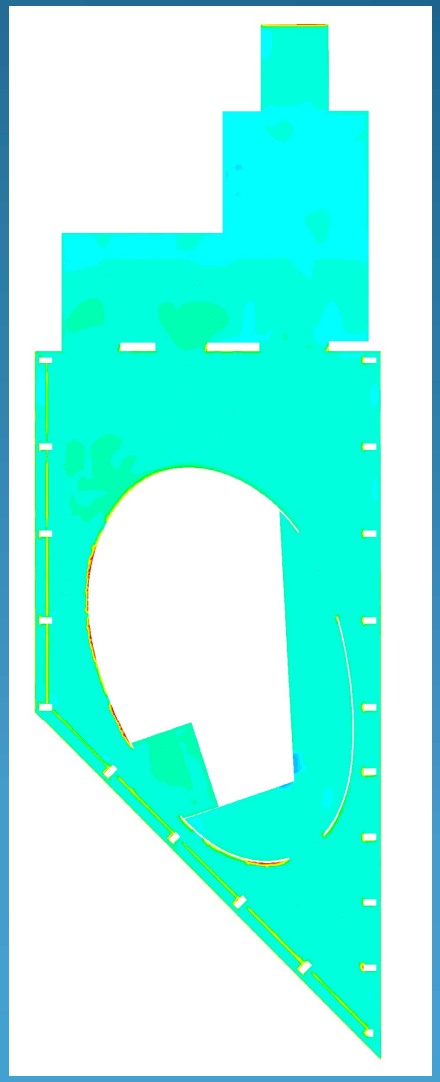


Hőmérséklet-eloszlások [°C] – Nyári üzemállapo



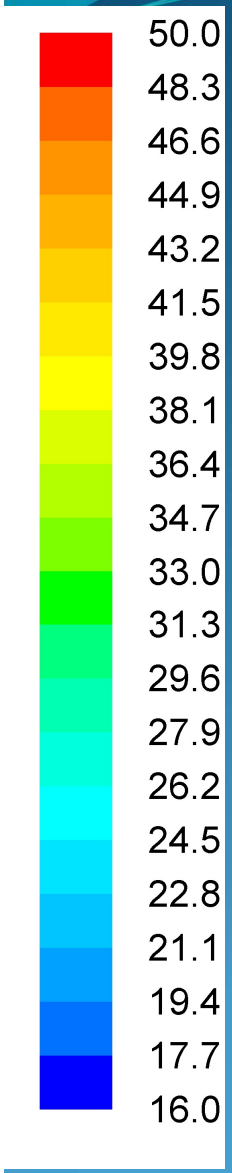


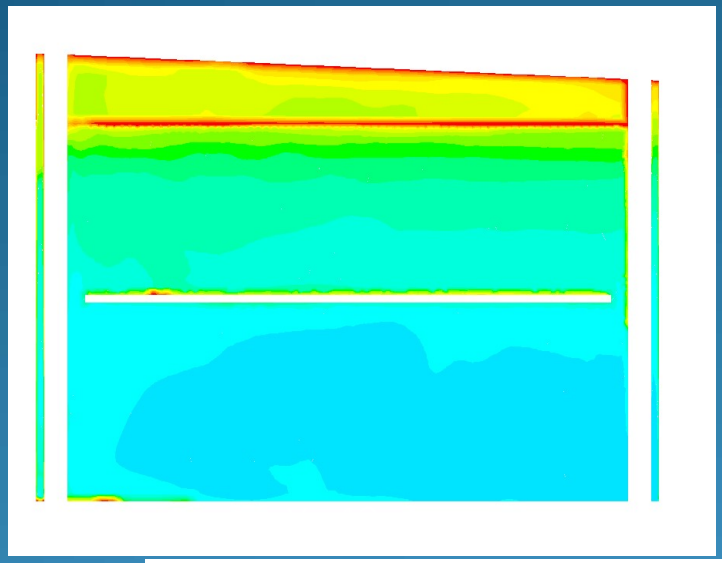
Z=1.5m

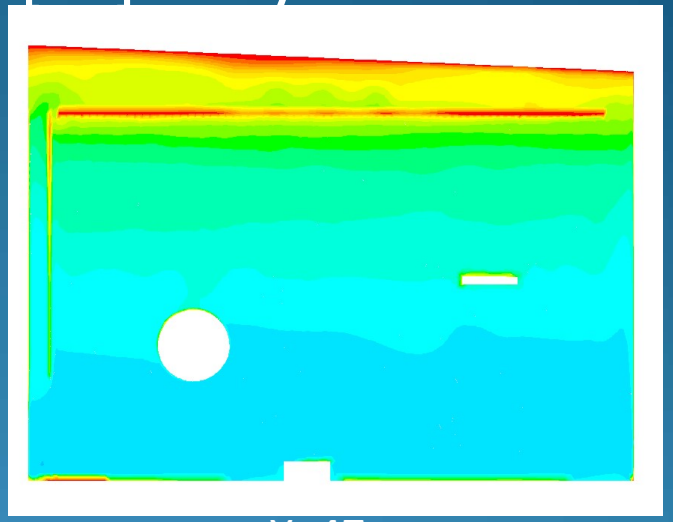


Z=9.3m

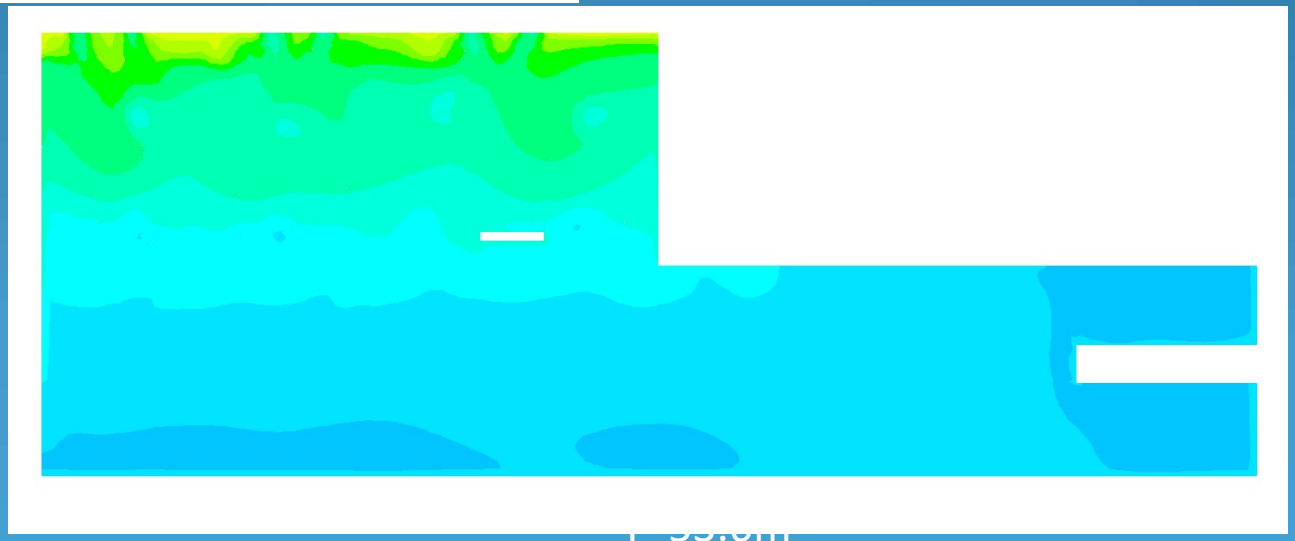
Hőmérséklet-eloszlások [°C] – Nyári üzemállapot



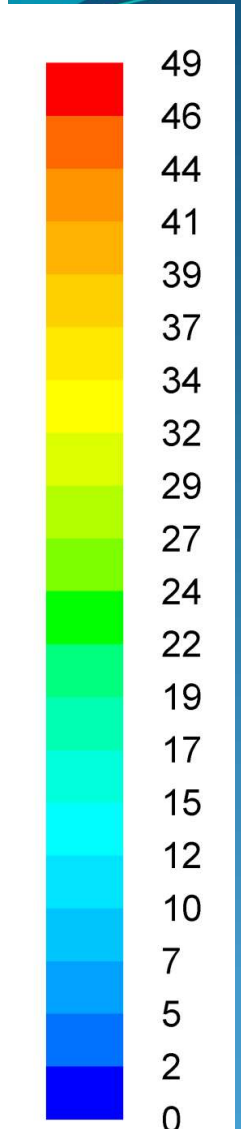


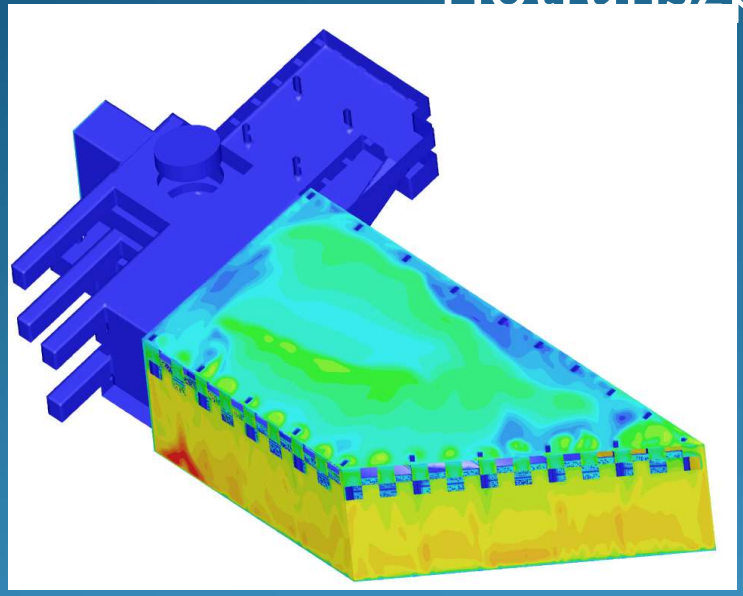


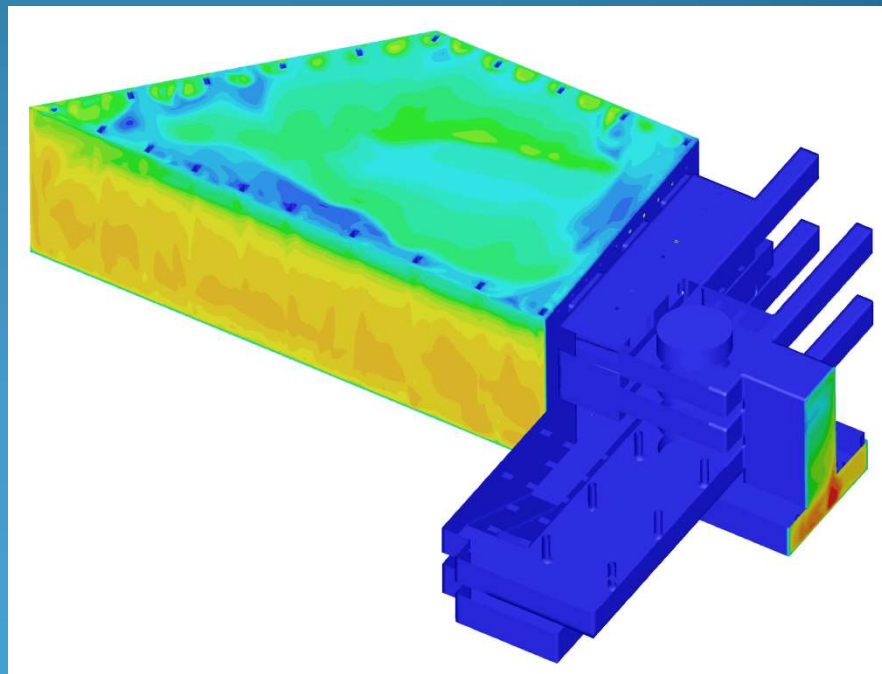
Y=47m



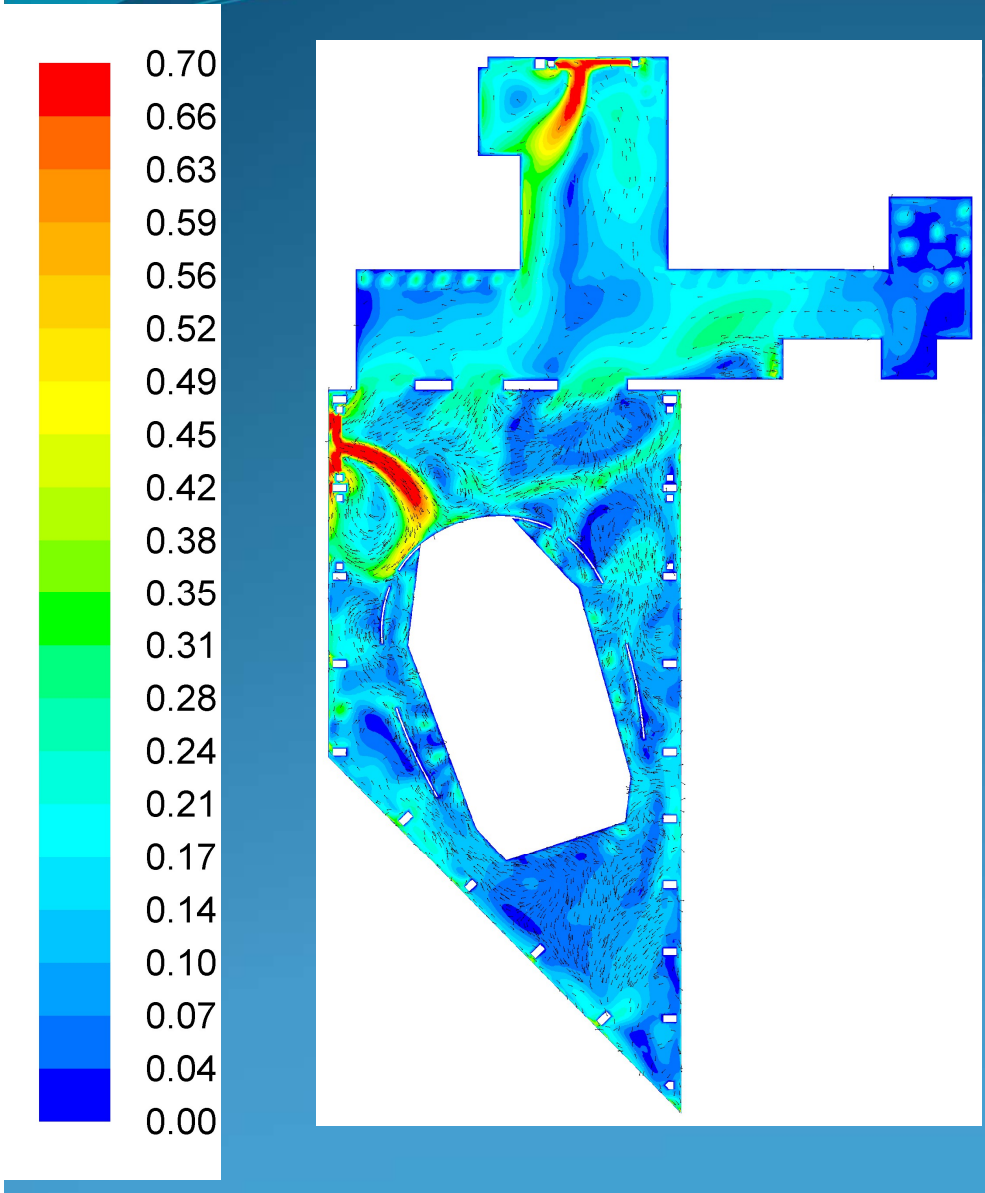
Hőtranszport az üvegfelületeken keres



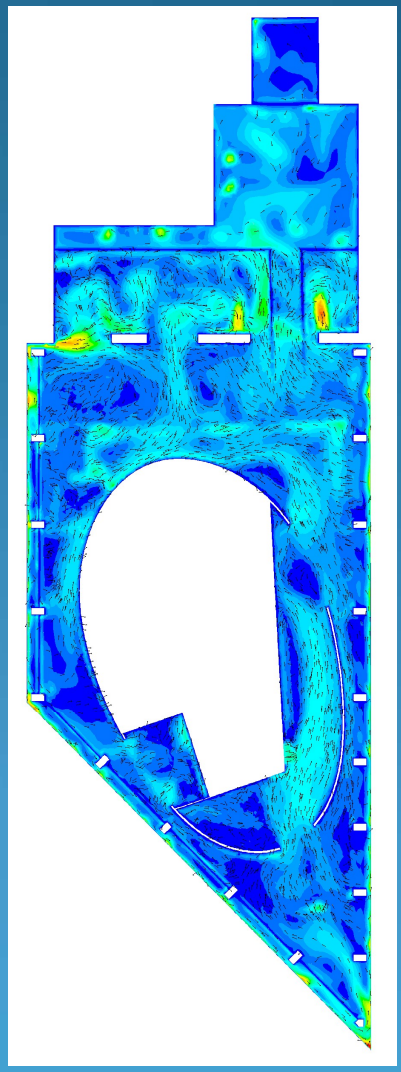




g-eloszlás [m/s] – Nyári üzem

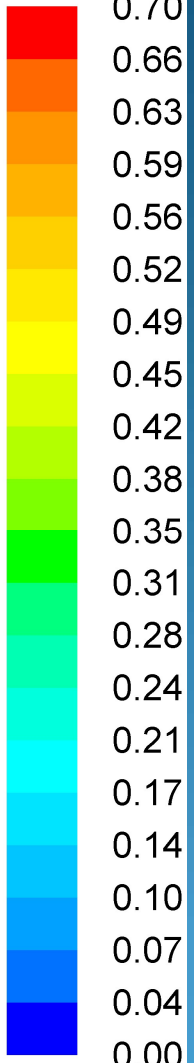


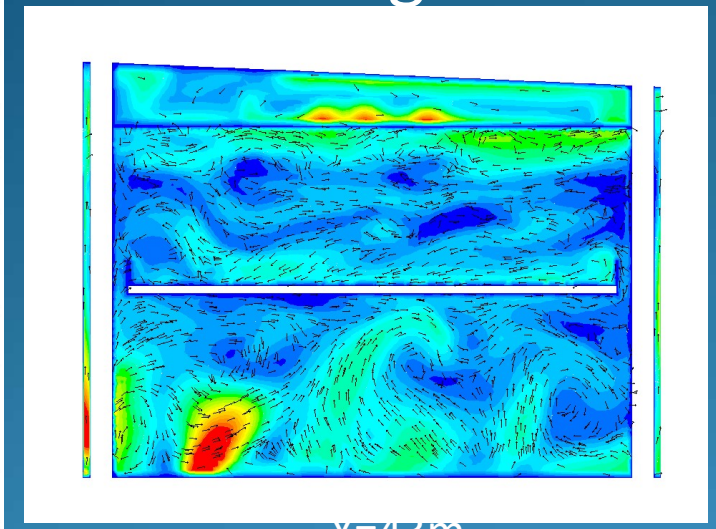
Z=1.5m



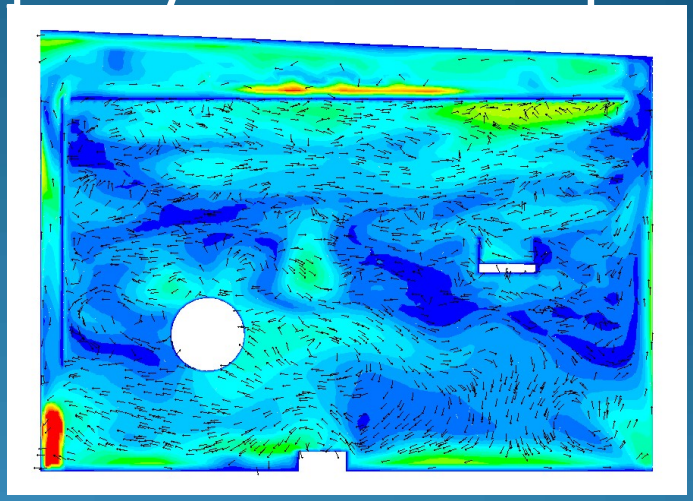
Z=9.3m

Sebesség-eloszlás [m/s] – Nyári üzemállapot





Y=43m



Y=47m