



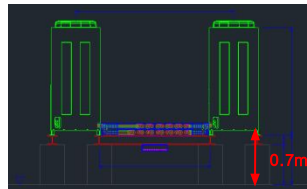
# CFD Analysis Report for Lotte PJT in Russia

SAC Engineering Division

LG  
Electronics



Top view

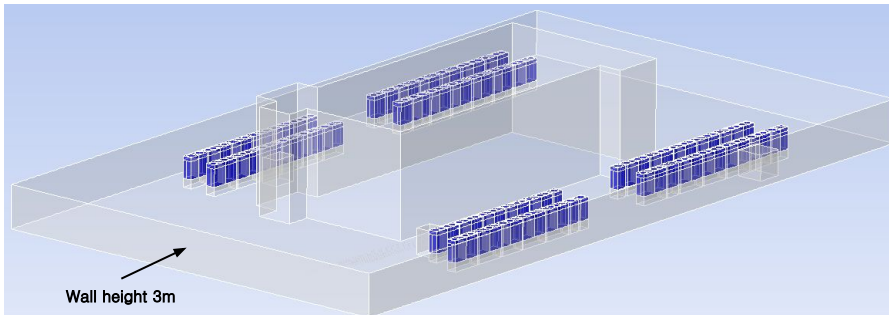


Side view

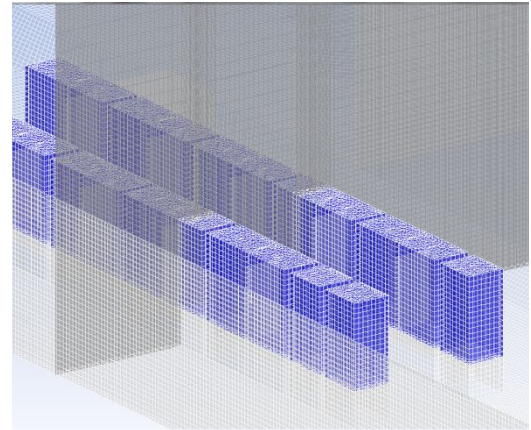


wall height 3m





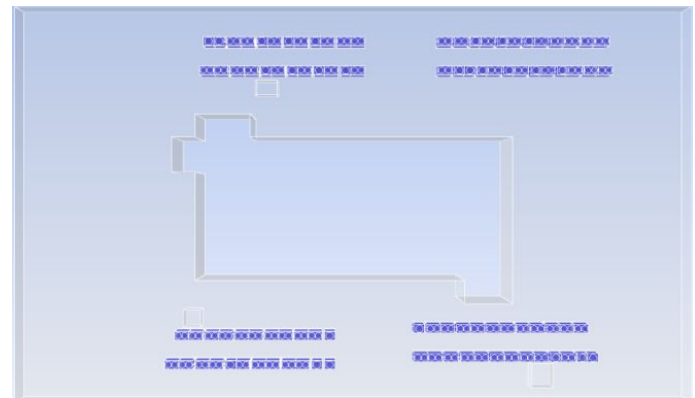
Iso view



Mesh

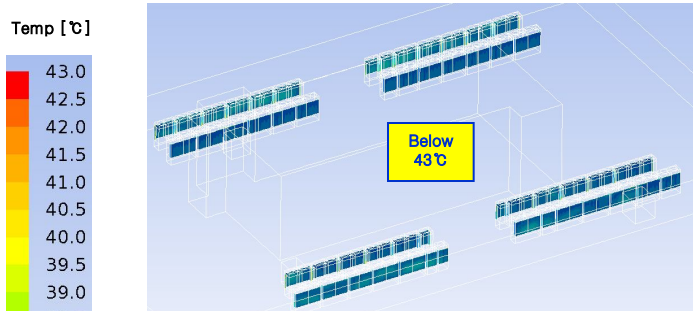
## CFD Analysis Condition

- ✓ Product : Multi III
- ✓ Operation ratio : 100%
- ✓ Air temp. : 33 °C
- ✓ Roof wall height : 3m
- ✓ Support height : 0.7m
- ✓ CFD Analysis Program : FLUENT 13.0.0, GAMBIT 2.4.6
- ✓ Viscous model : k-e standard model
- ✓ Mesh : 6,791,555 hexahedral mesh

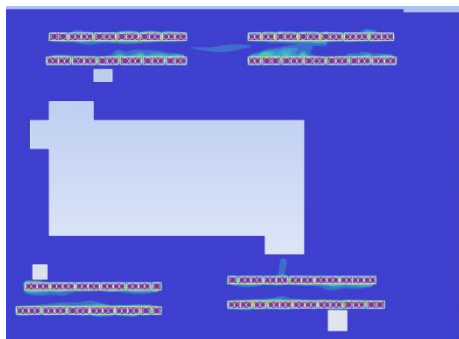


Top view

It is shown that avg. Temp. of heat exchanger is distributed from 34°C to 49°C It seems that normal operation of AC product could be possible in these conditions.



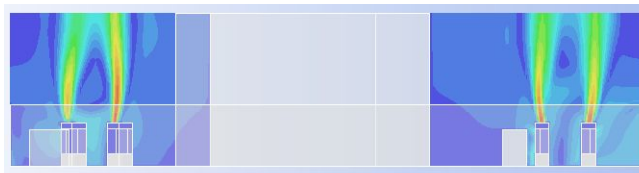
Temp. contour on heat exchanger



Temp. contour on surface



No recirculation      Pattern of discharge flow      No recirculation



Velocity contour on surface

