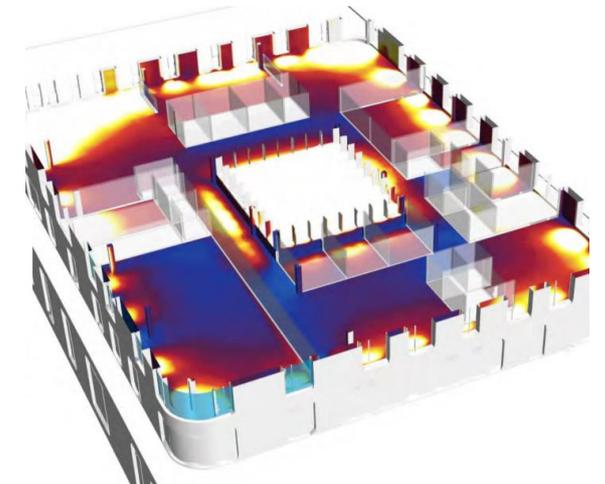
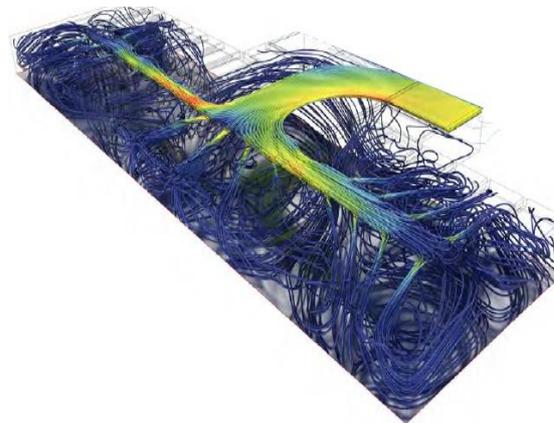


ABT

Using Simcenter STAR-CCM+ to design high occupancy terminals



ABT utilizes Simcenter STAR-CCM+ to optimize buildings with high occupancy in order to achieve thermal comfort

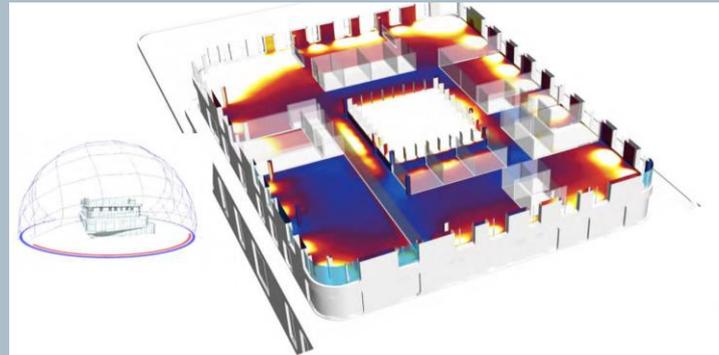


ABT

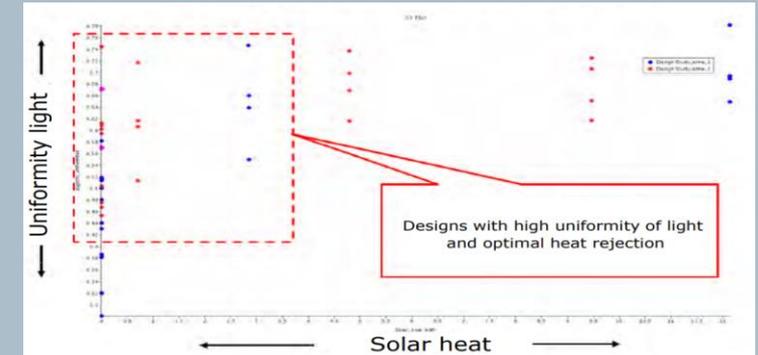
Using Simcenter STAR-CCM+ to design high occupancy terminals



Design exploration to achieve a balanced concept



Simulation for light uniformity



Optimization using design manager

- Reduced physical testing through simulations
- Improved ventilation efficiency, achieving higher air quality and thermal comfort within the occupancy zones

- Design manager allows for iterative exploration in a timely manner
- Multiphysics modeling enables a wide range of HVAC components to be assessed

Simcenter STAR-CCM+ multiphysics capabilities have enabled ABT to gain insight into their designs much earlier in the development cycle