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.
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Design exploration to achieve a balanced concept

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

Simulation for light uniformity

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

Optimization using design manager

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