

# New Features and Improvements in DesignBuilder v7.3

## UI and Modeller

- Boolean and Cutting tools can be applied to more complex blocks
- Improvements to the Clone tool workflow
- IGDB glazing database upgrade to v78

## Optimisation

- Component blocks can be imported/exported in XML enabling advanced parametric façade design.
- New “Run all combinations” option for optimisation.

## Visualisation

- Linear thermal bridging length visualisation display at building, block, zone and surface levels

## Daylighting

- Right to Light BS 8206-2 daylight reports for Annual Probably Sunlight Hours, Vertical Sky Component, No Sky Line and Average Daylight Factor.
- Rearranged Daylighting calculation and display options with all reports accessed from the same tab
- Improvements in sDA annual daylighting calculations with new options for dynamic shading through internal windows

## LEED/ASHRAE 90.1

- Improvements to ASHRAE 90.1 App G 2016
- ASHRAE 90.1 App G HVAC Systems #11, #12, #13
- LEED v4.1 MEPC reports

## HVAC

- Plant loop EIR heat pumps (water source and air source)
- Generic Unitary AHU component
- More flexible options for CO2 control in DOAS and other air systems