



Seattle City Hall

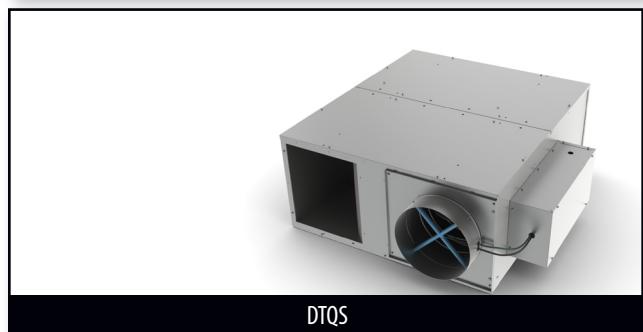
GREEN CASE STUDY

CLIENT:	REPRESENTATIVE OFFICE:	ARCHITECT/DESIGNER:	LOCATION:
Seattle City Hall	Air Commodities	Bassetti Architects/Bohlin Cywinski Jackson	Seattle, Washington

ABOUT THE PROJECT

Seattle, Washington is quickly becoming the benchmark in which all cities will be measured against when it comes to having LEED certified buildings. They have over 41 public and private buildings that have achieved LEED Certification level or higher. The new Seattle City Hall is among this group.

Designed by the architectural firms of Bohlin Cywinski Jackson and Bassetti Architects, the 200,000 square foot facility achieved the LEED Gold Certification level for NCv2. It was designed to reflect the people of Seattle, the natural environment of the area and to utilize many sustainable elements both inside and out. The new city hall incorporates a green roof that reduces the heat throughout the facility while capturing the vast amount of rainwater that is prevalent in the Seattle area. Rainwater is then recycled by a cistern for use in landscape irrigation.



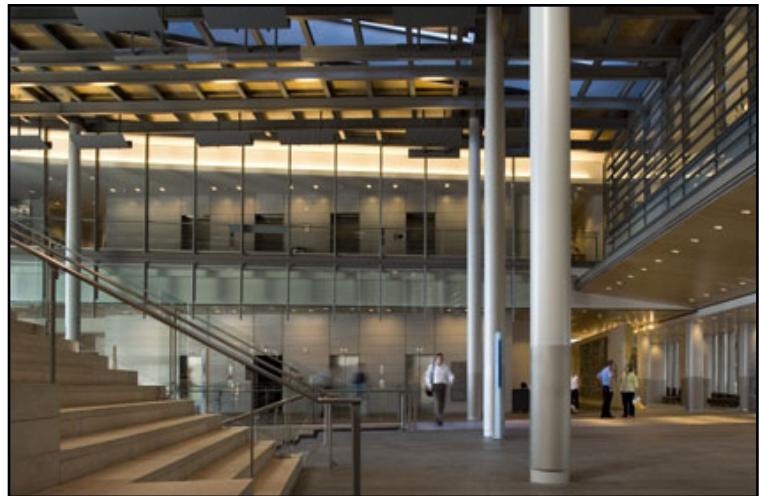


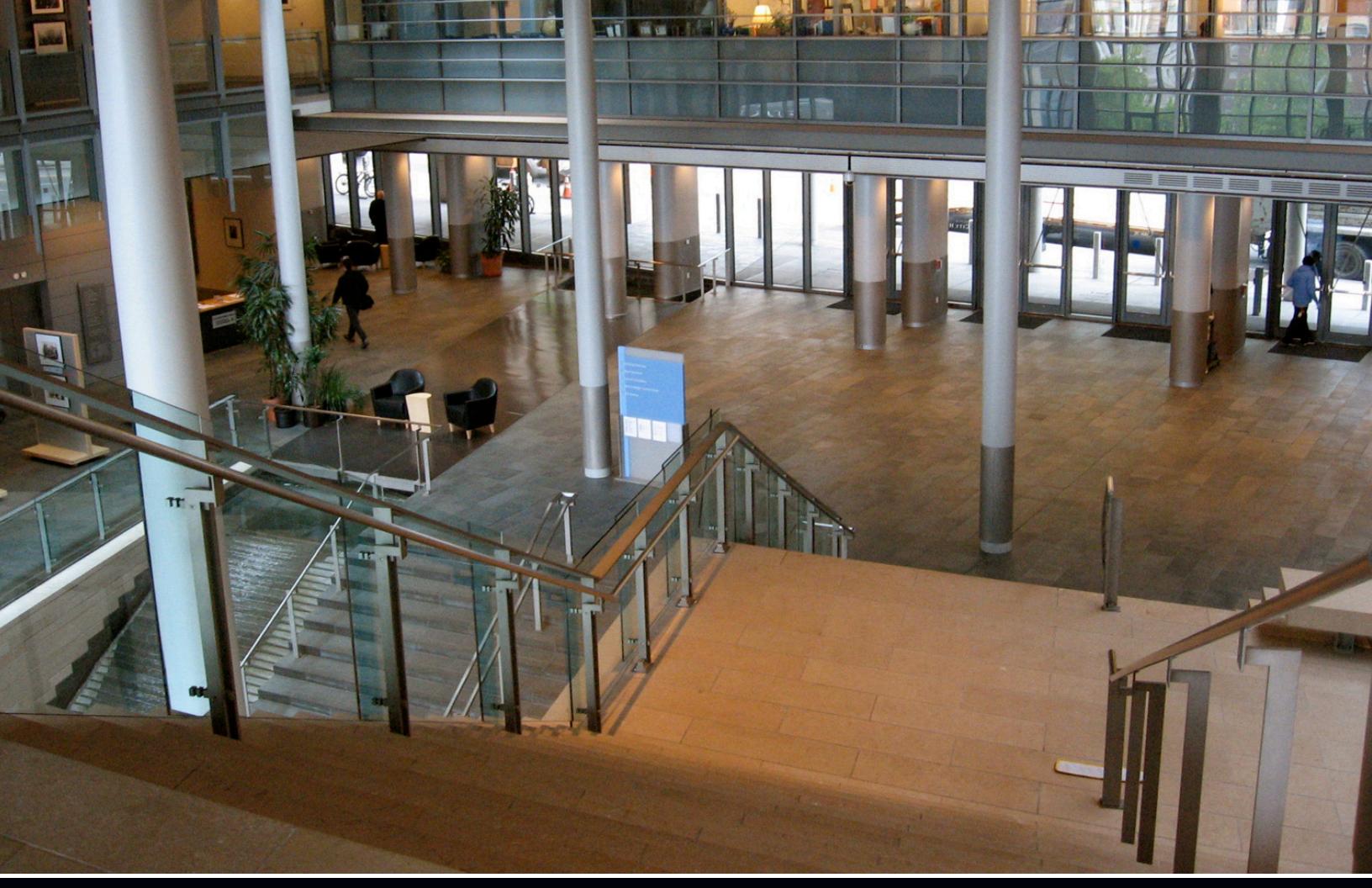
Other sustainable features of the Seattle City Hall are that it uses solar-activated light sensors, dimmers and occupancy sensors to save on electricity. It also utilizes CO₂ detectors that change the airflow to ensure the air is healthy and an energy efficient HVAC system.

THE TITUS SOLUTION

Titus provided the terminal units for the energy efficient HVAC system. The DLHK and DTQS were the Green Solution units selected to help solve the air distribution problem. The DLHK UnderFloor Fan Powered Terminal Unit is designed to be installed in the underfloor plenum of an access floor grid system. Constructed of a heavy steel casing that is leak resistant, the DLHK contains an energy efficient fan motor. The LHK fits within the modular pedestal systems of the raised floor and is available in various heights to fit under 12" through 18" raised floors.

The DTQS is a Series Fan Powered Terminal Unit. The quiet unit comes with built-in sound baffles for low sound levels. The energy efficient fan motor is mounted with vibration isolators. It provides constant air delivery and temperature blending by utilizing pressure independent airflow control. The DTQS maintains the variable air volume (VAV) energy savings at the central fan.





THE END RESULT

The new Seattle City Hall is a joint collaboration between two architectural firms with one common goal - to provide the people of Seattle a building that will last over 100 years with sustainable and energy efficient solutions. The result was the creation of a state-of-the-art building that will save the city of Seattle enormous amounts water and energy usage for some time to come.

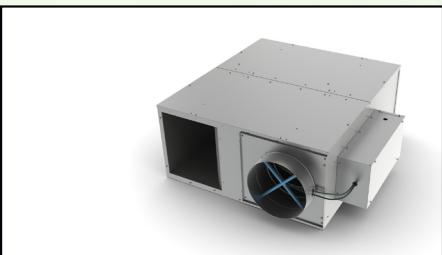


Titus Products List



DLHK

The DLHK is an underfloor fan powered terminal unit with an energy efficient fan motor.



DTQS

The DTQS provide constant air delivery and temperature blending while maintaining the VAV energy savings at the central fan.