



**1500 K Street
Washington, DC, USA**

Building Type: Commercial

- 1500 K Street, an 11 storey mixed-use building, is home to restaurants, retail, and office spaces
- The building owner and consulting engineer involved with this major retrofit project wanted to implement a state-of-the-art, fully IP-based control system. This involved a number of tenant fit-outs, with additional tenant fit-outs planned.
- Involved the integration of:
 - ENVYSION for EC-Net^{AX} hosted on an EC-Net^{AX} Supervisor to expand the capabilities of the existing EC-Net^{AX} system. This provides complete views of the building's BMS, with a custom-feel user interface that is "natively" responsive and does not require plug-ins or other add-ons
 - 22 ECLYPSE Connected System Controllers
 - For use on the Chilled Water Plant with robust and fast control to handle the flexibility required with multi-stage chillers
 - On the air handling units serving all eleven floors
 - 50 ECLYPSE Connected VAV Controllers / floor
 - To handle outdoor air intake
 - On strategically selected ECLYPSE Connected ECY-VAV controllers, a Wi-Fi adapter was used to speed up commissioning, and to make future tenant fit-outs easier to implement
 - Lighting control with built-in occupancy sensors. Auxiliary contacts on the motion sensors were directly wired to the ECLYPSE Connected ECY-VAV controllers
 - Allure EC-Sensors for room-level temperature sensing
 - CO2 sensors, allowing for demand ventilation
 - Electrical submetering

