# Case Study

BubblyNet

**JetBlue Lounge** - JFK Airport, NY

**The Challenge**
This high-security project required a lighting control system that complied with NYCECC C2020 energy efficiency provisions while delivering enhanced functionality beyond standard code requirements. The design needed to integrate daylight sensing, occupancy control, and time-clock scheduling, while supporting multiple control types including RGBW DMX, 0–10V, phase dimming, and dynamic white. Preset scenes and automated color temperature changes were also required to support both operational needs and occupant performance within a secure environment.

**The Solution**
A unified lighting control system was deployed to integrate all control types into a single, secure platform. Daylight and motion sensing, combined with time-clock scheduling, ensured energy efficiency and code compliance, while advanced programming enabled preset scenes and dynamic white schedules. Correlated color temperature was automatically adjusted throughout the day using customized fade durations to provide smooth, intentional transitions. The result was a high-performance lighting system that exceeded code requirements while supporting the operational and security demands of the facility.

Architect: **Gensler**; Engineering: **Arup**; Lighting Designer: **HLB**