



TINKER AIR FORCE BASE **ENERGY EFFICIENCY**

Improving safety and mission readiness
through efficient lighting

PowerSecure



ABOUT THE CUSTOMER

Tinker Air Force Base is a United States Air Force base located in Oklahoma County, Oklahoma, serving as the headquarters of the Air Force Material Command's Oklahoma City Air Logistics Center.

THE PROBLEM

In order to reduce energy usage while maintaining production rates, Tinker Air Force Base sought to replace its industrial lighting. Continued usage of outdated and inefficient lighting could compromise personnel safety, but any work would have to be conducted without any interruption to aircraft maintenance activities.

THE SOLUTION

PowerSecure designed and implemented all services for Tinker Air Force Base. The full-scale lighting upgrade to LED was designed to meet the specific lighting, safety, and ROI needs of the facility, and these new fixtures were first installed in high-profile locations as retrofit solutions were conducted in non-essential locations. Furthermore, a wireless network control system was installed in the facility's mission-critical areas to ensure constant adaption to changing mission requirements. Easily customizable, the control system allows for granular regulation such as scheduling, zoning, and task tuning.



Lighting
& Controls



BENEFITS TO TINKER AIR FORCE BASE

- 1** Approximately 9,000 kWh conserved annually
- 2** 67,887 LED fixtures and 2,132 lighting controls installed
- 3** 7,536 kW reduction and over 43 million kWh savings
- 4** \$2.2 million in annual savings

“PowerSecure as an installation partner has been nothing but professional all the way through the process of transitioning to the LED lighting configuration. The working-level leadership was always available and ready to interject ideas on issues that had arisen from time to time. We worked cooperatively and worked out solutions to temporary setbacks. This is the type of group that you look for when you have a project that needs constant attention. Thank you.”

- RANDALL A. HULETTE, Sr. Mechanical Engineer U.S. AIR FORCE, Tinker AFB