

PROJECT CASE STUDY

Freedom Hall Civic Center Lighting Retrofit And Upgrade

ENVOCORE SOLUTIONS

- The project included upgrading the arena lighting, the concourses, and the back of house areas using primarily LED technology.
- The use of LEDs allows Freedom Hall to more effectively control the lighting in the arena area and also dramatically reduced maintenance costs due to the significantly longer life of the LEDs.

THE RESULTS

- Freedom Hall expects to save close to \$100,000 per year in electricity costs with another \$7,000 in material maintenance savings.



\$100,000/yr

ELECTRICITY COSTS
SAVINGS



\$7,000

MATERIAL MAINTENANCE
SAVINGS

PROJECT BACKGROUND

As 40 year old facility, Freedom Hall had antiquated lighting systems that limited energy conservation, lighting control, and light quality. The challenge was to design a new lighting system that addressed NCAA requirements, while conserving energy and providing the level of control needed for arena lighting. Retro-Tech, a division of Envocore, performed a facility wide lighting upgrade.

ABOUT CITY OF LOUISVILLE

Located in Johnson City, TN, the Freedom Hall Civic Center was opened over 40 years ago to be the main venue for all concerts and shows in the Johnson City Metro Area. It is also now home to the East Tennessee State basketball teams. The venue has a seating capacity of 8,500 and is used for event ranging from basketball games to concerts to ice skating shows.

<https://www.johnsoncitytn.org/>