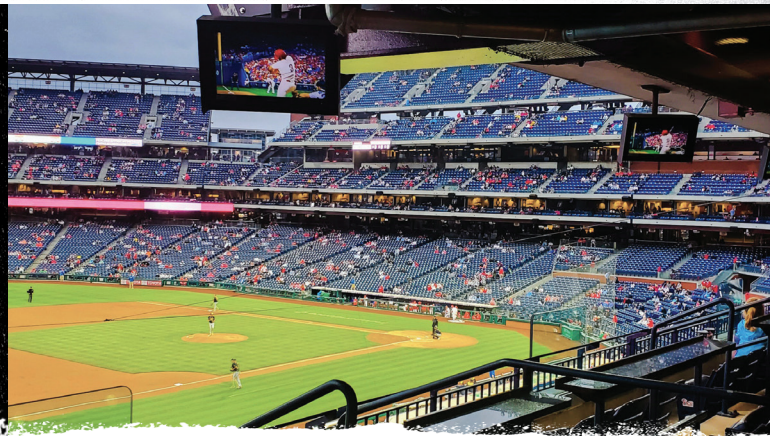


PENETRANTS • FUEL TREATMENTS • DEGREASERS • INDUSTRIAL LUBRICANTS • RUST SOLUTIONS

## CASE STUDY KROIL HELPS GIVE SPORTS FANS SOMETHING TO CHEER ABOUT



Americans have an insatiable appetite for live sporting events, and in the US alone, there are over 900 major venues dedicated to professional and collegiate sports. From outdoor stadiums to covered and semi-covered domes to indoor arenas, these venues host millions of sports fans and often serve other entertainment purposes throughout the year.

### The Challenge

Stadiums and arenas are not just places for games to be played, they are all about the fan experience. Keeping spectators comfortable and entertained is just as important as winning records when it comes to venue popularity and repeat visits. Bad experiences will often keep people away, and every detail matters. The elements always come into play, for indoor and outdoor venues alike, and maintenance is a year-round endeavor. In a major sporting venue in Nashville, Tennessee, for instance, thousands of seats must be maintained, nearly 1,500 suite windows must open and close without fuss, and hundreds of chilled-water air handlers must keep people comfortable. If the windows don't move freely or it gets too hot or cold in a suite or other location, the maintenance crew must scramble to either open windows manually or bring in portable fans, move people to other locations, or in worst case scenarios, refund fans' entrance fees.

#### DID YOU KNOW?

## \$231 MILLION

Projected cost to maintain a major sporting venue in Minneapolis, Minnesota for next decade

## 107,601

Seating capacity for Michigan Stadium, the largest sports stadium in the US, and 3rd-largest in the world

## \$525,000

Cost to repair and replace steel handrails at a major sporting venue in Seattle, Washington



## How Does Kroil Solve the Problem?

HEAR FROM INDUSTRY PROS







## The Solution

### KROIL PENETRANTS

Kroil is a not-so-secret weapon of stadium and arena maintenance teams across the country, thanks to its ability to save hours of service time, and extend the life of systems, fixtures, equipment, tools and materials. For these reasons, and more, Kroil Original Penetrant is a key ally in preventative maintenance for the Nashville venue crew. Before every major event, they treat each set of suite window glides with Aerokroil to ensure that spectators can slide the 200lb windows open and closed with ease. They also use it to loosen stuck fan blades, pulleys and motors in the venue's massive HVAC system. Kroil is also used to free rusted bolts on stadium seats and railings when replacements are required, and to unseize concession stand roll-up doors.

## The Results

"I spray every window glide for my suites with Aerokroil before every event. It breaks free even the most stubborn and tight ones. I easily use a case of Kroil for my floor of suites for each event."

**W. GABELMANN, SENIOR COORDINATOR, STADIUM OPERATIONS**

"I use Kroil every day to service our rooftop units and air handlers. We would have never gotten the fan blades off a few units without Kroil."

**J. DULLEN, STADIUM HVAC TECHNICIAN**

"We use Kroil to break loose bolts for railings and seats that need to be replaced as well as on stuck concession roll-up doors. We use it because it works."

**J. WOODALL, MAINTENANCE MANAGER**



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[www.kroil.com](http://www.kroil.com)

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