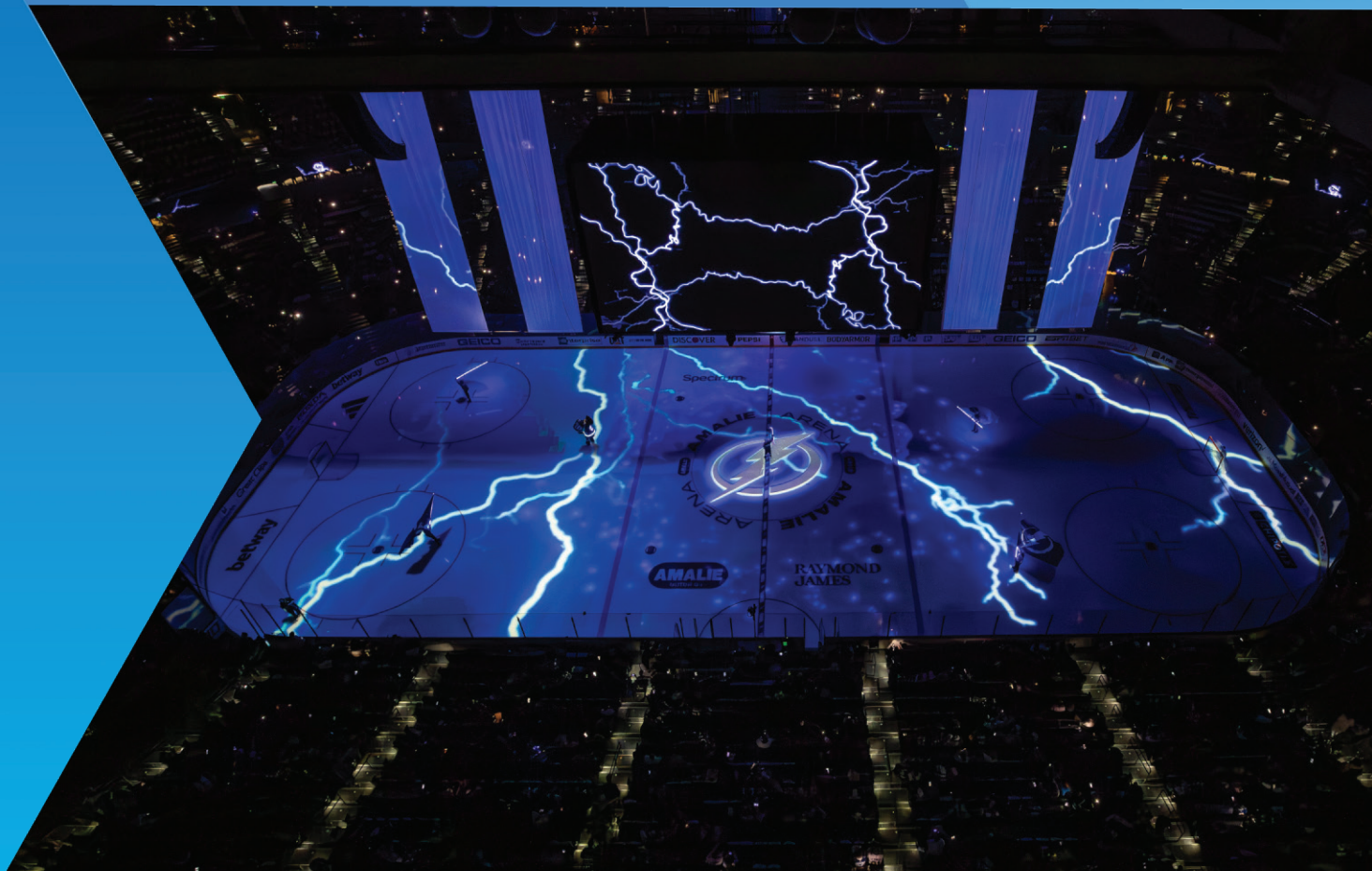




Improved Ice, Reduced Energy Consumption

The right choice for comfort cooling and ice making.





Making The Right Choice

Tampa Bay's AMALIE Arena, home of the Tampa Bay Lightning®, needed an upgrade from their aging legacy cooling system. The system was originally constructed with the facility in 1996. When reviewing options, comfort cooling and quality ice were crucial, but the safety of players and the community was also a major consideration.

Upgrading the System

When the Arena Facility Operations Team at the arena knew they needed to upgrade their aging system, many business decisions were at play. Optimizing system performance and cost of ownership over the lifetime of the system were two of them. They also knew they needed to select an innovative technology that could keep up with evolving regulatory challenges that demanded increased environmental sustainability compared to their legacy system. All of that, while ensuring, high-quality, professional-grade ice.

After considering the potential safety and toxicity concerns associated with switching to an ammonia system (R-717), they decided that Opteon™ was a safer long-term solution for their athletes, fans, and local community.

"We wanted to focus on the refrigerant selection, particularly one that was safer for our team to manage and for the broader entertainment district that is currently developing around the arena. We really didn't feel comfortable with ammonia, so the Opteon™ solution was really a no-brainer for us."

Steve Butler
Director of Engineering
AMALIE Arena



Up to the Challenge

AMALIE Arena is located in Tampa, Florida, where the climate is often hot and humid. This presents big challenges for air conditioning and refrigeration systems.

"Fortunately, Opteon™ is up to that challenge." said Chuck Allgood, PhD, Technical Fellow at The Chemours Company.

Opteon™ is powering both the air conditioning, and the ice making systems at Amalie. The upgrade has shown improvements both in operation, and in comfort for the facility.

"It was great that we had the ability to find a good partner like Chemours™, and provide a great product like the Opteon™ solution for our refrigerant."

Rhett Blewett
VP, Facility Operations
AMALIE Arena

Benefits of Opteon™ XP10 (R-513A)



Safety: refrigerant A1 rating, nontoxic, nonflammable



Ease of maintenance



As an official partner of the National Hockey League (NHL®), Chemours provides education on customized approaches and continual support to help arenas find balanced and innovative solutions that can evolve with them and the surrounding world. We work closely with the arena's staff to understand their challenges, needs, budgets, businesses goals, and visions. Chemours and its partners assess the facility, its purpose, and the people it serves. We provide education about everything from current requirements and upcoming regulatory changes to the immediate and long-term benefits of retrofits or new equipment.



OFFICIAL REFRIGERANT SOLUTION OF THE NHL®

For more information on Opteon™, visit opteon.com



See how Opteon™ provided the safety, performance, and "comfort level" AMALIE Arena required:
<https://youtu.be/Q7VaWz7hyRs>

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