



## STAYING CLEAN, GOING GREEN AT THE DAVID L. LAWRENCE CONVENTION CENTER

### CUTTING EDGE CLEANING WITH ORBIO® SPLIT STREAM TECHNOLOGY

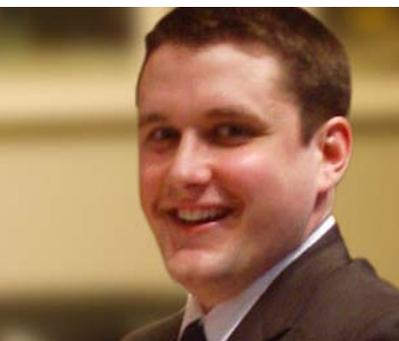
The David L. Lawrence Convention Center (DLCC) is an SMG-managed site located in downtown Pittsburgh. Completed in 2003, the 1.5 million square foot DLCC was designed to conserve energy and natural resources. The DLCC is the world's first "green" convention center, and the only meeting venue to be awarded Gold LEED® Certification – the national standard for high performance green buildings. Founded in 1977 with the management of its first facility, the Louisiana Superdome, SMG provides worldwide entertainment and convention management at 220 venues.

SMG is at the forefront of sustainability, and has long relied on Tennant cleaning equipment and service to keep its venues looking great. So when Tennant's new Orbio Technologies group developed Orbio Split Stream technology, providing a new, sustainable cleaning approach, it was only natural that they would bring the technology to their partnership for SMG to evaluate at a premier "green" venue like the DLCC.

"As stewards of the venues SMG manages, we constantly seek best-in-class vendors to deliver the best environment for our client, guests and users. Tennant and SMG have a long relationship that continues to benefit our clients," said Michael Godoy, Executive Director of Operations for SMG.

*"Once I saw how good a job it did cleaning multiple surfaces, I was impressed. And, in our opinion, it works as effectively as the conventional cleaners that we were using on our glass and carpets."*

— Conor McGarvey, SMG's Director of Operations for the DLCC



BUILT GREEN. WORKING GREEN. EVERY DAY!



## IMPRESSIVE RESULTS

Cleaning crews at the DLCC began using the Orbio 5000-Sc to generate cleaning solution on site in the spring of 2011, replacing many daily-use conventional cleaning chemicals.

"When I first heard about Orbio 5000-Sc solution, I was skeptical. It seemed too good to be true," said Conor McGarvey, SMG's director of operations for the DLCC. "But once I saw how good a job it did cleaning multiple surfaces, I was impressed. And, in our opinion, it works as effectively as the conventional cleaners that we were using on our glass and carpets."

## CONVENIENT AND EFFECTIVE

DLCC crews use the Orbio 5000-Sc solution to clean glass, carpet, countertops, stainless steel, laminate benches, fabric benches, concrete and tile floors, and sidewalks outside the convention center. Cleaning crews use the solution in automatic scrubbers and clean the concrete and tile floors with excellent results.

"We clean 200,000 square feet of carpet using the Orbio 5000-Sc solution in two Tennant carpet extractors, and 314,000 square feet of concrete floors in the exhibition areas using automatic scrubbers, and the solution does a great job," said McGarvey. "It's also much more convenient to scrub the floor using one solution, instead of having to utilize three or four chemical cleaners for scrubbing."

McGarvey wasn't the only one who initially doubted the ability of Orbio Split Stream technology to clean effectively. His crews were very skeptical – until they

saw the results. Now, they regularly provide McGarvey with feedback on how thoroughly it cleans glass, carpet and laminate surfaces. They report that it also works well on stainless steel surfaces.

"Using Orbio 5000-Sc solution is easier for my crews. Instead of having three or four spray bottles of cleaner for each employee, now they each need only one," said McGarvey. "Whatever cleaners we previously used, we had to calibrate the dilution systems, and streaking was definitely a challenge."

## MEETING "GREEN" GOALS

McGarvey happily outlines the environmental advantages of Orbio Split Stream technology for show promoters who are seeking green buildings. He tells them it is a misconception that green technology will cost a show promoter more, this technology saves money because there are fewer bottles to store and less packaging to dispose of.

When people ask him, McGarvey says the technology simply works, and the Orbio 5000-Sc solution lifts dirt and cleans really well without streaking. And although he worried that setting up the Orbio 5000-Sc unit itself might be complex, it was easy. It just needed an electrical outlet, a water supply and a small drain.

"This technology not only fits into SMG's sustainability efforts but also aids in the on-going "green" goals of the DLCC," added McGarvey. "Now we have a supply of ready-to-use cleaning solution, made right on site."

## ORBIO® SPLIT STREAM TECHNOLOGY



Through the process of electrolysis, the Orbio 5000-Sc creates a multi-purpose cleaning solution on site using tap water, salt, and electricity. The 5000-Sc solution effectively replaces many conventional daily-use cleaning chemicals.

**To learn more about the Orbio® 5000-Sc and other innovations in cleaning, contact Orbio today.**



Orbio Technologies  
701 North Lilac Drive  
Minneapolis, MN  
55422 USA

+1 800 553 8033  
+1 763 540 1315

orbio.com  
orbio@tenantco.com