



CREATING A CLEANER, SAFER, HEALTHIER WORLD.

INNOVATION



ELECTRICALLY CONVERTED WATER

Improve productivity, health and safety with chemical-free floor cleaning technology



ec-H2O NanoClean™ technology electrically converts water into an innovative cleaning solution that cleans effectively, saves money and reduces environmental impact compared to daily floor cleaning chemicals. This converted water is created by an on-board e-cell that generates millions of very tiny microscopic bubbles known as nanobubbles, that promotes the cleaning capability of the solution. This next generation solution offers the same great benefits of the first generation ec-H2O™ technology and now cleans better by cleaning more soils in more applications\*.



#### REDUCE COST TO CLEAN

Take advantage of significant savings in chemical costs and labour savings through increased productivity.



#### FACILITY IMAGE

Scrubbing with ec-H2O NanoClean™ effectively removes typical daily soils as well as more stubborn soils like food greases, without leaving chemical residue\*.



#### HEALTH AND SAFETY

ec-H2O NanoClean™ is certified by the NSF1 to improve floor traction and reduce the risk of slip and fall accidents. Additionally, NSF registration ensures the technology is safe to use in food and beverage handling environments.



#### SUSTAINABILITY

Utilising ec-H2O NanoClean™ reduces the impact of cleaning operations on the environment in seven key categories according to a third-party study by EcoForm.

\*ec-H2O NanoClean™ technology is not suitable for all soils, including heavy concentrations of fats and oils. Depending on the type of soil, conventional chemical cleaners may be required.

# THE RESPONSIBLE WAY TO CLEAN



## ACCEPTED TECHNOLOGY

- Since 2008, ec-H2O™ technology has become the standard in detergent-free floor cleaning.
- Tennant Company has shipped over 65,000 machines with ec-H2O™ technology, to over 7,500 customers at 29,000 locations around the world.<sup>1</sup>
- ec-H2O NanoClean™ will continue the trend of Tennant Company's innovations by offering even better performance with the same cost saving benefits as the original technology.

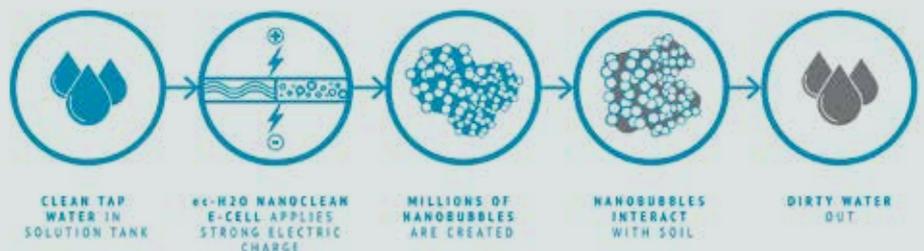


## SOUND SCIENCE

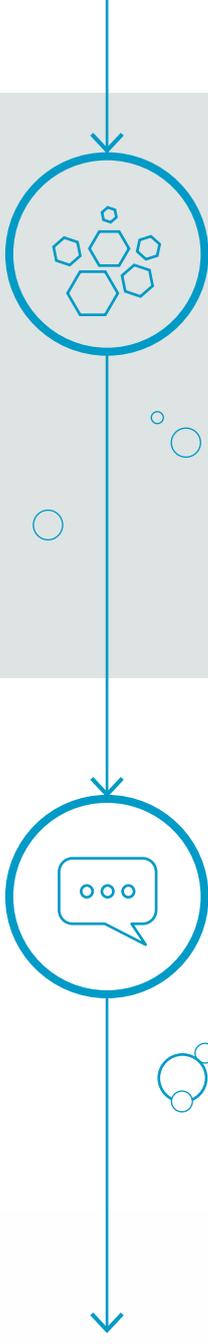
- Traditional floor scrubbers clean through three mechanisms on the floor
  - ✓ Hydration by water
  - ✓ Mechanical scrubbing action by the brushes or pads
  - ✓ Cleaning effects of any detergent added to the solution
- Scrubbers equipped with the ec-H2O NanoClean™ technology still leverage the power of hydration and mechanical action, but instead of an added detergent, rely on electrically converted water to promote the cleaning power of the solution.
- This converted water is created by an on board e-cell and contains millions of very tiny microscopic bubbles known as nanobubbles.
- Working with university scientists around the world, Tennant Company has established that it is these nanobubbles that provide the cleaning power in ec-H2O NanoClean™.

## IMAGINE CLEANING WITH JUST WATER!

Here's how ec-H2O NanoClean™ technology works



<sup>1</sup> As of March 2015



## REAL RESULTS

- ec-H2O NanoClean™ has been shown to clean a wide variety of soils including typical daily soils as well as more stubborn soils like food greases\*.
- In addition to the outstanding performance, ec-H2O NanoClean™ can create real savings by:
  - ✓ Reducing the need to purchase floor cleaning detergents.
  - ✓ Increase productivity by allowing operators to clean up to three times longer.
  - ✓ Reduce other costs such as water supply and waste as well as costs associated with the purchasing and storing of conventional detergents.



“Using regular chemicals on a daily basis would leave residue, you almost had to cleanup from cleaning. When we switched to ec-H2O Nanoclean™ machines we were able to clean and degrease **without leaving that residue.**”

— Alex Bemiller, Sodexo,  
Penn-Harris-Madison Schools

“When we first got ec-H2O NanoClean™, I really wanted to put it to the test. **This technology is amazing.** We cleaned the floor and we about flipped when we saw a clean trail down the centre aisle. The ec-H2O Nanoclean™ system definitely raised the bar!”

— Andrew Weed, Aramark,  
Nequa Valley High School

“Our chemical costs from using ec-H2O Nanoclean™ have **dropped drastically.** It’s really taking those things that would have been done with mop and bucket, and automated the process, and by doing that, being able to reduce the time that it takes us to clean by more than triple.”

— Craig Arnold, Aramark



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### SEEING IS BELIEVING

For a demonstration or additional information,  
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