

# Emerging Trends in Cleaning – 2017 & Beyond



[www.ieha.org](http://www.ieha.org)



[www.cminstitute.net](http://www.cminstitute.net)



Wm R. Griffin, President  
Cleaning Consultant Services, Inc.  
[www.cleaningconsultants.com](http://www.cleaningconsultants.com)



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



**IICRC**  
Institute of Inspection Cleaning  
and Restoration Certification

[www.iicrc.org](http://www.iicrc.org)

# Everything is Changing

- People – Next Gen - Retirement
- Surfaces – Self Cleaning
- Why we Clean - Health
- How we Clean - Processes
- Chemicals – Equipment
- Expectations - Validation



# No One Stands Still

- Getting Better or Getting Worse
- No middle ground.
- What it means to you.



# Technology



- Smart Phones – Software - Apps
- Equipment
- Digital World – Everything linked -Carpet
- Robotics
- Engineering and Design
- Nano
- Green and Sustainable

# Opportunities

- Never been a better time to be in cleaning or maintenance
- Risks are present
- Tipping point
  - Technology
  - Cost
  - People



# Hard Floor Care

- Carpeting
- Low maintenance Surface
- Faux Surfaces





# Environmental Certifications & Assessments



[epa.gov/saferchoice](http://epa.gov/saferchoice)

[www.epa.gov/saferchoice](http://www.epa.gov/saferchoice)



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



[www.practicegreenhealth.org](http://www.practicegreenhealth.org)



[www.carpet-rug.org](http://www.carpet-rug.org)



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



[www.usgbc.org/leed](http://www.usgbc.org/leed)



[www.healthyschoolscampaign.org](http://www.healthyschoolscampaign.org)



[www.greenseal.org](http://www.greenseal.org)



[www.greenguard.org](http://www.greenguard.org)

# Micro-Scrubbers



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



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



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





Tennant FAST Foam



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

Windsor Chariot Clarke/Boost Mop Scrub Strip



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



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

# Micro Fibers and Flat Mops

Rubbermaid



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

Reflex Mopping System



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



Economy bucketless mopping system



# Bucketless Mopping Systems



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



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



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



# Spin Mop System



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



# TASKI Intellibot



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



# HOS Orbot Orbital Floor Machine



- Ease of use
- Works on all surfaces
  - Carpet
  - Wood
  - Stone/Concrete
  - Terrazzo
  - Ceramic Tile
  - VCT

[www.hos-usa.com](http://www.hos-usa.com)





# Tennant – ec H<sub>2</sub>O Water Chemical Free



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





# Omni Flex



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



# Back Pac Vacuum



[www.pro-team.com](http://www.pro-team.com)



# New Trends

- Wireless/Digitally Connected
- Sensors on Everything
- Personality for Robots
- Fleet Management
- 3<sup>rd</sup> Party Audits & Certification
- Voice Command

New Chemicals  
Less Chemicals  
No Chemicals

Chemical Free Cleaning Network  
[www.cfcn.info](http://www.cfcn.info)





# Engineered Water



Tennant Co.  
ORBIO  
[www.tennantco.com](http://www.tennantco.com)



Tersano/Lotus  
[www.tersano.com](http://www.tersano.com)



# Engineered Water

- [www.annihilare.com](http://www.annihilare.com)
- [www.geneontechnologies.com](http://www.geneontechnologies.com)
- [www.ecolab.com](http://www.ecolab.com)
- [www.pathosans.com](http://www.pathosans.com)
- [www.cleancoretech.com](http://www.cleancoretech.com)
- [www.hsp.com](http://www.hsp.com)
- [www.zbioscience.com](http://www.zbioscience.com) (probiotics)

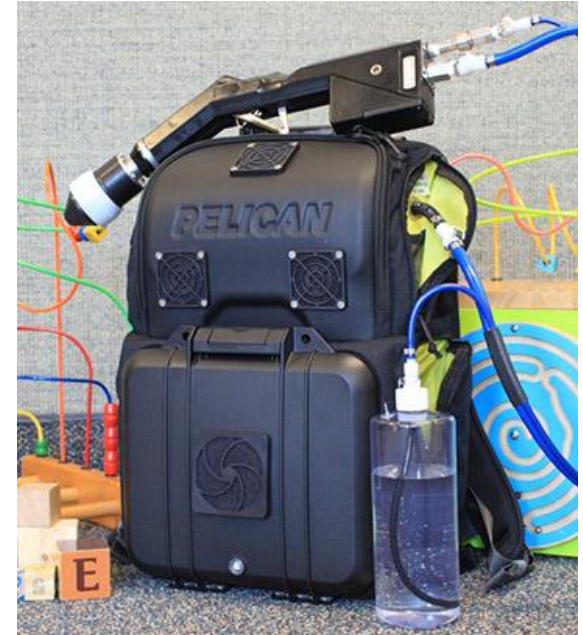


# Aqueous Ozone Sanitizing



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

# Electrostatic Spraying Systems



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

# Nano Disinfectant Products

- [www.microx1.com/microx1\\_microprotex.html](http://www.microx1.com/microx1_microprotex.html)
- [www.genesisurfacetechnologies.com](http://www.genesisurfacetechnologies.com)
- [www.bactibarrier.com](http://www.bactibarrier.com)
- [www.permanonusa.com](http://www.permanonusa.com)
- [www.ecosealsafe.com](http://www.ecosealsafe.com)
- [www.xytoblast.com](http://www.xytoblast.com)

# Magazine Article on Nano:

- <http://issatoday.issa.com/Vizion5/viewer.aspx?issueID=27&pageID=12>

# UV Light Disinfection



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



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



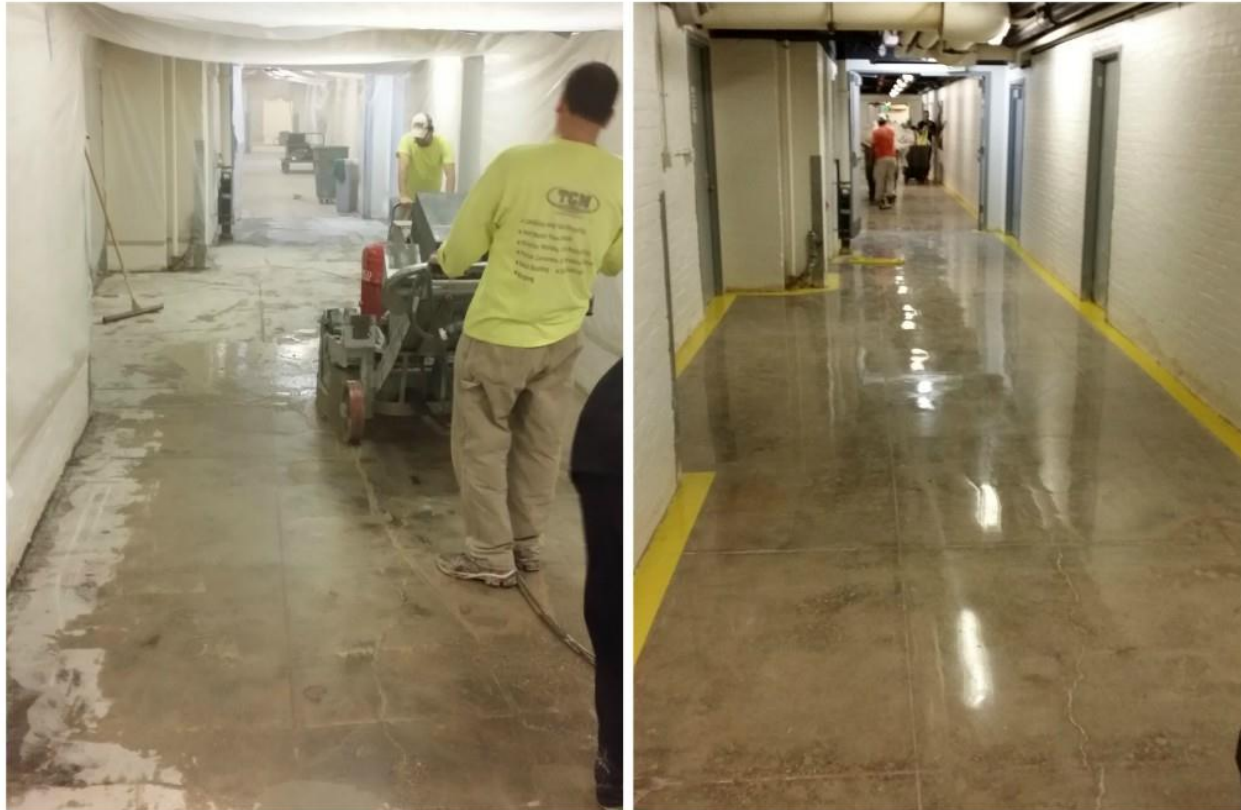
# Nano Quartz Coatings



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



# SIMIX Coatings



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



# Semi-Permanent Coatings Urethane



[www.ultradt.com](http://www.ultradt.com)  
P-320-266-0718



# New Surfaces



LVT, Solid Vinyl, Linoleum Polished Concrete and Terrazzo Prefinished Wood & Bamboo, Exotics, Leather, Glass, Metal Surfaces that Don't Require or Prohibit the use of Topical Finish

# Mondo Flooring



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

# Nora Flooring



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





# Texas Granite



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

# Luxury Vinyl Tile (LVT)



[www.manington.com](http://www.manington.com)  
[www.mohawkflooring.com](http://www.mohawkflooring.com)  
[www.tarkett.com](http://www.tarkett.com)



# Wood Refinishing & Repair

- Tools, stains and training for wood and leather repair and refinishing
- Mohawk Finishing Products

[www.mohawk-finishing.com](http://www.mohawk-finishing.com), P- 800-545-0047

- Konig Touchup

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

- [www.cal-floor.com](http://www.cal-floor.com) (repair kits for all floors)

- National Wood Flooring Association

[www.nwfa.org](http://www.nwfa.org)



- Maple Flooring Manufacturers Association

[www.maplefloor.org](http://www.maplefloor.org)



You must be aware  
of and prepare for  
changes taking  
place today and in  
the future.

# Impactors on Cleaning Results and Carpet Life

- Specification and Installation
- Spotting (daily)
- Vacuuming (dry soil removal)
- Cleaning (interim & deep cleaning)
- Repair (seams, sprouts, edges)
- Replacement (beyond cleaning)
- Disposal/Recycle (green)



# New Carpet Installation Technology

- Koolglide “Radio Wave” Seaming Iron
- Gundlach Hot Glue 2 Seaming Gun/System
- Spot Dye Kits
- Coatings and Treatments (Nano/Inovex)





# Carpet Vacuum/Pile Lifter



- “Host” Liberator
- 4 Stage Vac
- Cylindrical Counter Rotation Brushes
- Lifts Pile
- Low Moisture
- Powder Or Encapsulate

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

# Thank You



[www.ieha.org](http://www.ieha.org)



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