

Emerging Trends in Cleaning – 2016 & Beyond



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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

www.epa.gov/saferchoice



www.issa.com



www.practicegreenhealth.org



www.carpet-rug.org



www.ul.com



www.usgbc.org/leed



www.healthyschoolscampaign.org



www.greenseal.org



www.greenguard.org

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Micro-Scrubbers



www.clarkeus.com



www.tennantco.com



www.windsorkarchergroup.com

Tennant FAST Foam



www.tennantco.com

Windsor Chariot Clarke/Boost Mop Scrub Strip



www.windsorkarchergroup.com



www.clarkeus.com

Micro Fibers and Flat Mops

Rubbermaid



www.rubbermaid.com

Reflex Mopping System



www.primcosolutions.com



Economy bucketless mopping system

Bucketless Mopping Systems



www.rubbermaid.com



www.taski.com



www.diversey.com

Spin Mop System



www.cyclomop.com

TASKI Intellibot



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

Tennant – ec H₂O Water Chemical Free



www.tennantco.com

Dry Vapor Steamer - TANCS



www.advap.com

Omni Flex



www.kaivac.com

Back Pac Vacuum



www.pro-team.com

New Trends

- Wireless/Digitally Connected
- Sensors on Everything
- Personality for Robots
- Fleet Management
- 3rd Party Audits & Certification



**New Chemicals
Less Chemicals
No Chemicals**

**Chemical Free Cleaning Network
www.cfcn.info**

Engineered Water



Tennant Co.
ORBIO
www.tennantco.com



Tersano/Lotus
www.tersano.com

Engineered Water

- www.annihilare.com
- www.geneontechnologies.com
- www.ecolab.com
- www.pathosans.com
- www.cleancoretech.com
- www.hsp.com
- www.zbioscience.com (probiotics)

Aqueous Ozone Sanitizing



www.xytoblast.com

Electrostatic Spraying Systems



www.maxcharge.com

Nano Disinfectant Products

- www.microx1.com/microx1_microprotex.html
- www.genesisurfacetechnologies.com
- www.bactibarrier.com
- www.permanonusa.com
- www.ecosealsafe.com
- www.xytoblast.com

Magazine Article on Nano:

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

UV Light Disinfection



www.surface.com



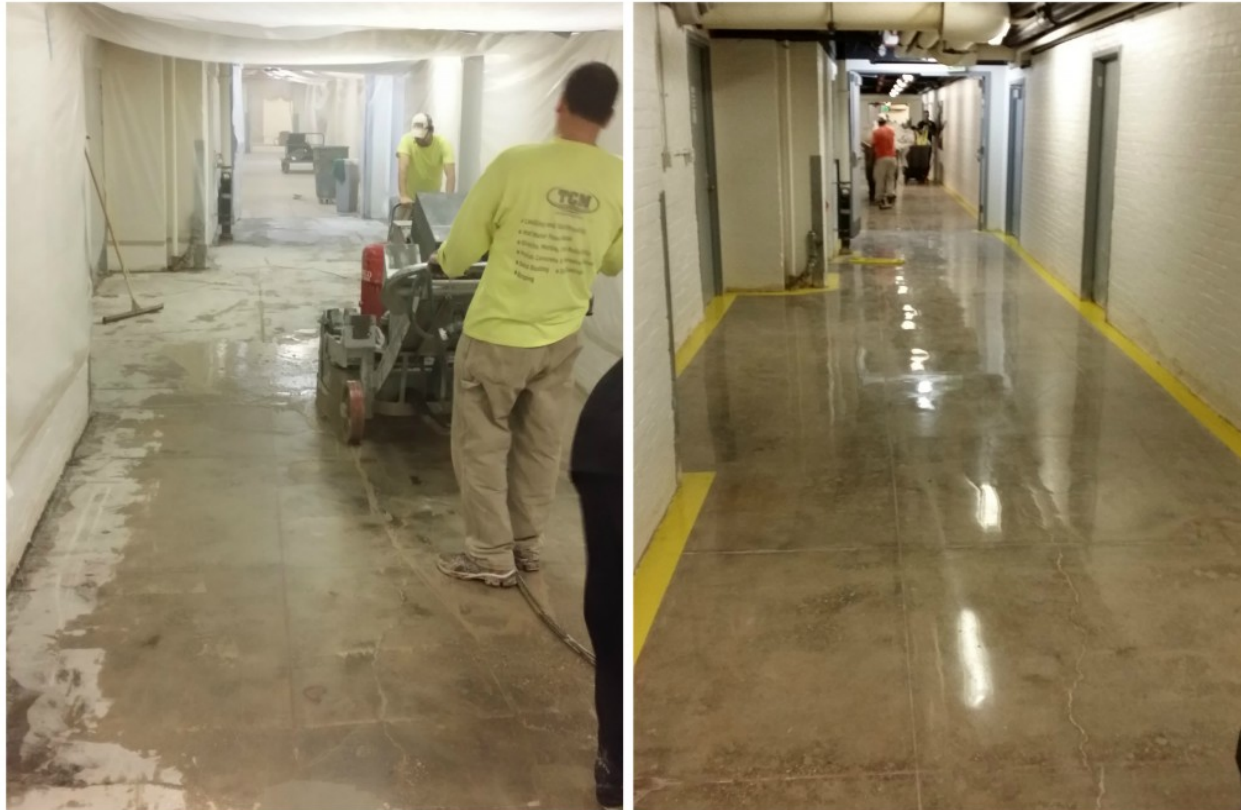
www.xenex.com

Nano Quartz Coatings



www.inovexcoatings.com

SIMIX Coatings



www.simixusa.com

Semi-Permanent Coatings Urethane



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

Nora Flooring



www.nora.com

Texas Granite



www.texasgranitedirect.com

Luxury Vinyl Tile (LVT)



www.manington.com
www.mohawkflooring.com
www.tarkett.com

Wood Refinishing & Repair

- Tools, stains and training for wood and leather repair and refinishing
- Mohawk Finishing Products
www.mohawk-finishing.com, P- 800-545-0047
- Konig Touchup
www.konigtouchup.com
- www.cal-floor.com (repair kits for all floors)
- National Wood Flooring Association
www.nwfa.org
- Maple Flooring Manufacturers Association
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

Thank You



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