

# The QUINTEK Newsletter



The Leader in Environmentally Safe Cleaning Technology

*Welcome to the Fall Edition of the QUINTEK Newsletter!*

Vol. 1, Issue 1

## An Award-Winning Project



Tucker Design Awards  
2012

Friday May 11th  
St. Louis, Missouri

Project: PHILADELPHIA CITY HALL  
Philadelphia, PA  
Design team: VITETTA Architects & Engineers  
Keast & Hood Co.  
Norton Art Conservation  
Philadelphia, PA  
QUINTEK Certified Contractor:  
Dan Lepore & Sons Co.  
Conshohocken, PA

### Tucker Design Awards

The Tucker Design Awards, established in 1977 and sponsored by the Building Stone Institute, one of the country's oldest serving natural stone trade associations, are recognized as some of the most prestigious architectural design awards in the country. The Tucker Design Awards honor those who have achieved excellence in design through the incorporation and use of natural stone in their building or landscape project. These awards are presented biennially.

#### Project Description:

Philadelphia City Hall, considered one of the finest examples of French Second Empire architecture, was designed by John McArthur Jr., and constructed from 1871 to 1901. Considered the tallest load-bearing masonry structure in the world, City Hall is constructed of Massachusetts Lee marble with an 18 foot high granite base made of stone from quarries in New England. The masonry on the lower tower extends to a height of 337 feet and tops out at 548 feet at the top of William Penn's hat. There are over 250 marble sculptures originally modeled in plaster by Alexander Milne Calder that represent industry, the continents, government, human attributes, arts and science.

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# Philadelphia City Hall

## An Award-Winning Project



Throughout its history the exterior of City Hall had received little maintenance which led to its deterioration. Planning studies and a demonstration project to restore a portion of the exterior envelope for the building began in 1992. Part of this project included a funded cleaning study to determine the best and most effective methods for cleaning. The restoration of the entire exterior of the building began in 2000. The documentation plan for the restoration of the exterior envelope of the building established



techniques to restore/renovate all of the stone surfaces, as well as the cast iron cresting, copper gutters, flat roofs and wood windows. All of the building's stone surfaces



were effectively cleaned without damage to the stone using a low pressure micro-abrasive system along with an intermittent water misting system that is used prior to the general cleaning. The system used was QUINTEK's ROTEC® VORTEX cleaning system and QUINTEK's Water Misting System. As you can see from these photos the project was successful and the building is ready for its next 110 years. Special thanks to the Building Stone Institute and Vitetta Architects & Engineers of Philadelphia for the information provided in this article.



**Saint Patrick's Cathedral project in  
New York N. Y.  
A PROJECT IN PROGRESS**

**Project :** Saint Patrick's Cathedral

**Original Architect:** James Renwick Jr.

Original Cathedral 1858-79, Rectory and Cardinal's Residence 1880,  
Fifth Ave Spires 1888

**Architect:** Charles T. Mathews

Lady Chapel 1906

**Style:** Gothic Revival

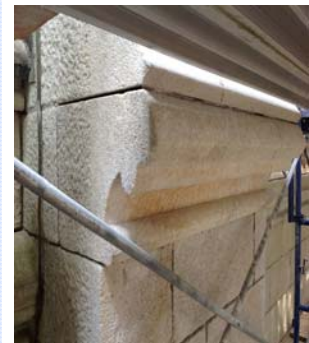
**The Scope of Work to be Performed:** A \$177 million rehabilitation project taking about three years to complete. Issue that are being addressed in this renovations project are the growing cracks in the marble facade and the patchwork of repairs up and down the buttresses smoke-darkened walls and stained-glass windows.

**Project Architect:** Murphy Burnham & Buttrick Architects

**Construction Manager:** Structure Tone Inc.

**Project Contractor:** Deerpath Construction Corporation  
A QUINTEK Certified Contractor

The Deerpath Construction Corporation has been entrusted with the Saint Patrick's Cathedral project in New York. According to David W. Dunlap of the New York Times "the most obvious improvement visitors can expect to see, probably by early 2014, is a much brighter facade." Deerpath is using QUINTEK's ROTEC® VORTEX system to clean the marble. The system uses a patented low-pressure stream of swirling air, water and micro abrasive powder to safely and efficiently clean the substrate of Saint Patrick's Cathedral without damaging the surfaces. The process is so gentle that a person could hold a hand in front of the stream, said Raymond M. Pepi, the president and founder of [Building Conservation Associates](#), consultants on the project, "and all you'd get is a clean hand." As you can see from the before and after photographs taken by Deerpath, a QUINTEK certified contractor, the ROTEC® VORTEX cleaning system along with QUINTEK's certified micro glass powder are well on their way to making Pepi's comments come true. The gentle nature of ROTEC's physical cleaning technology is designed to keep preservation in mind and has enabled Deerpath to remove years of buildup of atmospheric pollutants and encrustation from the substrate without damaging the surface. It's also environmentally friendly. We will keep you updated on this historic project. Special thanks to the Deerpath Construction Corporation for information provided in this article.



Photograph by Deerpath Construction

## A PROJECT IN PROGRESS

### Saint Patrick's Cathedral project in New York N. Y.



QUINTEK Corporation is proud to be working with the Deerpath Construction Corporation and its involvement in the Saint Patrick's Cathedral project in New York, New York. Based on a quotation from an article written by David W. Dunlap that appeared in the New York Times, City Room dated March 16, 2012. "The most obvious improvement visitors can expect to see, probably by early 2014, is a much brighter facade."

The marble is being cleaned with QUINTEK's ROTEC® VORTEX cleaning system. The system uses a patented low pressure stream of swirling air, water and micro abrasive powder to safely and efficiently clean the substrate of Saint Patrick's Cathedral without damaging the surfaces. The process is so gentle that a person could hold a hand in front of the stream, said Raymond M. Pepi, the president and founder of [Building Conservation Associates](#), consultants on the project. "And all you'd get is a clean hand." As you can see from the before and after photographs taken by the Deerpath Construction Corporation, a ROTEC® VORTEX certified contractor, the ROTEC® VORTEX cleaning system using QUINTEK's certified micro glass powder is well on its way to making Raymond M. Pepi's comments come true. The gentle nature of the ROTEC physical cleaning technology design to keeps preservation in mind, has enabled the Deerpath Construction Corporation to remove years of buildup of atmospheric pollutants and encrustation from the sub-strait without damaging the surface. The reason the ROTEC® VORTEX cleaning system is used for this application. We will keep you updated on this historic project. Special thanks to the New York Times and David W. Dunlap, City Room and Deerpath Construction Corporation for information provided in this article.



Photograph by Deerpath Construction Corporation

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## QUINTEK

We would like to welcome the following companies into the QUINTEK family.

- Mount Pearl Paints
- Riconda Maintenance
- TK Industries
- NER Construction Inc.
- KNS Building Restoration
- Mason Tech
- Deerpath
- Carrara Marble Company of America
- Integrated Conservation Contractors
- Bielski Services
- Integrated Power Washing LLC
- Hilt Construction Inc.
- DP Masonry
- GL Capasso Inc.
- Universal Preservation Group Inc.
- Paradise, NL
- Tarrytown, NY
- Saskatoon, SK
- West Haven, CT
- Middle Valley, NY
- Halifax, NS
- Union, NJ
- City of Industry, CA
- New York, NY
- Anaheim, CA
- Warren, NJ
- Hillsborough, NJ
- Beresford, BN
- New Haven, CT
- Middletown, CT

QUINTEK Corporation is committed to providing cleaning technology to preserve the building and living environment. We are ready to assist you with your project needs. We provide consultant services and testing services for your projects.

- Sample testing
- Mock-ups
- Technical evaluation
- Training Certification



Environmentally safe QUINTEK's certified micro abrasive glass powder M 1035 and dolomite powder D 5025 safe to the environment and user.



- Our media is environmentally friendly
- **NO FREE SILICA**
- no heavy metals
- no toxic components
- no potentially damaging soluble salts
- Odorless
- It is not considered a carcinogen
  - It is not listed by NTP, IARC or OSHA as a carcinogen
  - It is Inert— not reactive to; metals, organic materials or chlorates

Don't be fooled by others that claim they are environmentally friendly read the MSDS sheets! MSDS sheets are posted on [www.QUINTEK.net](http://www.QUINTEK.net).

Please follow us on the web at [www.QUINTEK.net](http://www.QUINTEK.net)