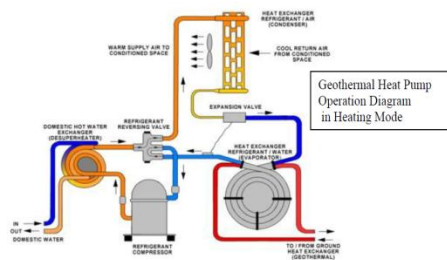
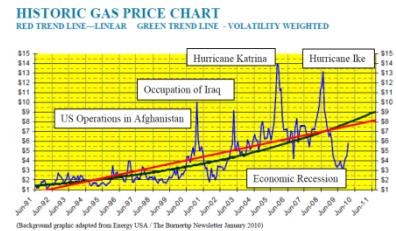


Web links for Publications featuring Geo Source One, Inc.

For a complete listing of publications including downloadable PDFs of projects and White Papers from Geo Source One Inc., link to: <http://www.geosourceone.net/publications.html>

“Why Consider Geothermal”, by Jeff Persons / Geo Source One Inc.; A discussion of energy supply and demand both present and future; the role of geothermal renewable energy systems, their operation, energy savings and cost payback.

<http://www.geosourceone.net/assets/files/whyGeo.pdf>



“An Explanation of Geothermal System Components”, by Jeff Persons / Geo Source One Inc.; An overview of past and present energy efficient components within a geothermal renewable energy system ; how they operate and their affect upon overall system efficiency.

<http://www.geosourceone.net/assets/files/explanation.pdf>

“Explanation of Horizontal Drilling”, by Jeff Persons / Geo Source One Inc.; Recent developments and a reduction in cost allow a process called Horizontal Directional Drilling (HDD) to be used as an economical means to install geothermal ground loops. The process creates minimal disturbance to the landscaping and can be performed at an overall lower cost than “open trench” horizontal and vertical geothermal loop installation methods. <http://www.geosourceone.net/assets/files/horizontaldrilling.pdf>



“Geo Facts”, geothermal truth and trivia including information from the US Environmental Protection Agency (EPA) and Department of Energy (DOE) in support of geothermal renewable energy systems.

<http://www.geosourceone.net/assets/files/geoFacts.pdf>



“WaterFurnace & the LEED Green Building Rating System”, a discussion and listing of up to 17+ LEED points currently available through the implementation of WaterFurnace geothermal renewable energy systems. <http://www.geosourceone.net/assets/files/wfleeds.pdf>



WaterFurnace is featured in Green Builder Magazine, September 2007 as one of the top 10 “Most Green” manufacturers in the US.

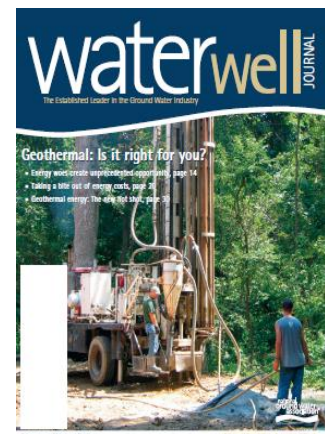
<http://www.geosourceone.net/assets/files/wfgbuilder.pdf>



Radiant Panel Association 2010 Radiant Flooring Guide (79 page PDF manual); provides a description of radiant heating methods, designs and a resource index of equipment manufacturers and products. (Hard copy is available from the publisher for \$15.00) This PDF version is available to Geo Source One Inc. customers as a radiant heating design aid and serves as an industry reference manual for materials and methods provided by all manufacturers and suppliers in the US radiant heating industry.

[http://www.pmengineer.com/digitalmagazine/SWF/PME/Radiant Floor 10/index.html](http://www.pmengineer.com/digitalmagazine/SWF/PME/Radiant_Floor_10/index.html)

“Energy Woes Create Unprecedented Opportunity”, (Geothermal Systems are the Ultimate for Efficiency and Comfort) by John Vastyan, with major contributions from Jeff Persons / Geo Source One Inc. Reprinted with permission from the Water Well Journal; a publication of the National Ground Water Association, February, 2006. <http://www.geosourceone.net/assets/files/WaterWellJournalFeb2006.pdf>





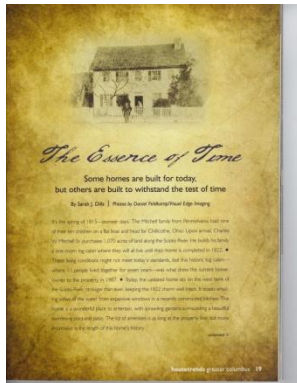
“Creek House” by Jeff Persons is a 16 zone radiant heat residential project submitted for publication to “Contractor Magazine”. The complete article as submitted to “Contractor Magazine “with photos is posted under “Publications” at:

<http://www.geosourceone.net/assets/files/creekHouse.pdf>

The publication article link to Contractor Magazine is at:

[http://contractormag.com/radiant/home-systems-2345/.](http://contractormag.com/radiant/home-systems-2345/)

Residential Geothermal article for “Mother Earth News” titled “The Big Dig”, by Jeff Persons / Geo Source One Inc., Written in 2001, this consumer oriented article provides an explanation of the various methods by which geothermal renewable energy systems may be installed and their relative installation cost at the time the story was written. The article may be viewed at the following link: <http://www.motherearthnews.com/Renewable-Energy/2001-04-01/The-Big-Dig.aspx>



Dublin, Ohio Historical Home Achieves Comfort and Quiet with Geothermal

In the late 1990’s Geo Source One Inc. installed a two stage WaterFurnace Premier 2 geothermal system in this Dublin area home. The home is listed on the National Register of Historic buildings. A recent renovation and addition to the home in 2009 was managed as a second zone to the existing geothermal system. Structural framing of the historic home made traditional ductwork impractical. Working closely with the owner and renovation contractor, the Geo Source One design team implemented the

use of a high pressure duct fan and two inch “mini” high pressure ducts to access new areas of the historical structure. While geothermal is not mentioned in the accompanying magazine article, the video tour and text of this tastefully written article and high quality photography, pay testament to the comfort and ability of Geo Source One to design for difficult custom situations. *(As an insight to historical buildings, as is the case with this structure, few individuals are aware that one of America’s oldest historical sites, Colonial Williamsburg, is also heated and cooled with geothermal renewable energy systems. There are no noisy outdoor units to detract from the appearance of the buildings; only the quiet and unseen comfort provided by one of the cleanest energy systems known.)*

<http://www.housetrends.com/Housetrends/April-2010/The-Essence-of-Time/>



“1860s timber-frame farmhouse remade into energy-efficient modern dwelling”, by Jim Weiker, for the Columbus Dispatch Sunday June 13, 2010, (Geothermal installation by Geo Source One Inc.) This home employs a five ton capacity WaterFurnace Envision series geothermal system. The geothermal loop is a horizontal extended slinky design with five 600 foot circuits. Timber framing of the home presented challenges for traditional ducting. To accommodate the restricted ducting access, the geothermal system is adapted to provide heating and cooling via a four zone high-

pressure ducting system. High pressure distribution ducts for each of the primary zones are sized from 8 to 10 inches in diameter. The distribution ducts deliver high pressure air to a series of 2 inch insulated flexible ducts which are easily concealed within the walls, ceilings and floors without intruding upon the “open space” of the structure. Total comfort is provided quietly throughout the four zone structure. As the geothermal system operates to provide heating and cooling, it is also supplying pre-heated domestic hot water for this busy family. The accompanying article and video slide-show from the Columbus Dispatch attest to the superb craftsmanship found throughout the home and the integrated mechanical systems which add to its modern-day energy efficiency.

http://www.dispatch.com/live/content/home_garden/stories/2010/06/13/old-soul-new-skin.html

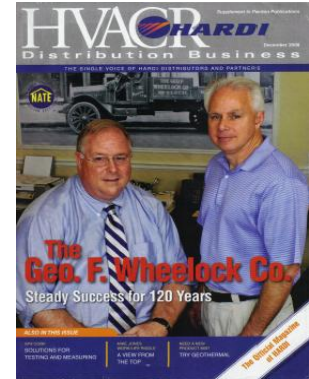
“Radiant Heat Brings an 1832 Homestead into the 21st Century”, A case history report by Jeff Persons CM, reprinted with permission from the Refrigeration Service Engineers Society (RSES) Journal, October 2008, Volume 14, Number 5; a publication of the Refrigeration Service Engineers Society. [\(link not yet posted on web site\)](#)



“Increase Profits and Reduce Warranty Returns with Proper Antifreeze Mix” by Jeff Persons / Geo Source One Inc. Written for HVACR Distribution Business (HARDI), April 2009 This article deals with the pitfalls encountered when low-cost antifreeze solutions are used to cut cost when installing a geothermal system.

<http://hvacrdistributionbusiness.com/mag/increase-profits-warranty-0409/index.html>

“Making Geothermal a Successful Portion of Your Product Mix”, by Jeff Persons / Geo Source One Inc. This article is written for the HVACR Distribution Business/ HARDI Journal. It discusses the groundwork equipment and educational training needed to create a successful geothermal systems distributor necessary to support a growing dealer and installer network. The article is linked at:



http://hvacdistributionbusiness.com/mag/making_geothermal_successful/index.html

“Dishing the Dirt: Geothermal Systems”, by Joanna Turpin; with major contributions by Jeff Persons / Geo Source One Inc. is linked at:



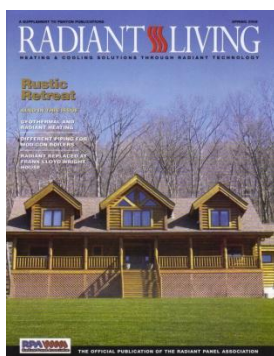
<http://www.contractorexcellence.com/882>



“Digging into Geothermal”, by CE Magazine Staff; with major contributions by Jeff Persons / Geo Source One Inc. is linked at:

<http://www.contractorexcellence.com/451>

“Spring Forward to Snowmelt” by Lisa Murton Beets with major contributions by Jeff Persons / Geo Source One Inc. Cover Photo and printed article pages 21-24 Spring 2007 Issue Radiant Living Magazine; features a large Award Winning residential snowmelt application designed and installed by Geo Source One, for a Hilliard, Ohio area customer. (Use link to access current issue, click on “Archives” and select Spring 2007) <http://radiantlivingmag.com/>



“Geothermal and Radiant Heating” by Jeff Persons / Geo Source One Inc. , Radiant Living Magazine Spring 2008; An excellent case history providing the basics for integrating geothermal renewable energy systems with radiant floor heating. (Use link to access current issue, click on “Archives” and select Spring 2008, go to pages 6 to 8) <http://radiantlivingmag.com/>

“Solar -Thermal and Radiant Heating” by Jeff Persons / Geo Source One Inc., Radiant Living Magazine, Fall 2008; Solar can integrate with geothermal for one of the lowest overall means to heat and cool. Because geothermal consumes 70 to 80% fewer kilowatts of power compared to conventional systems, a mix of solar with geothermal; combined with the best possible insulation, homes with a “net 0” energy demand are possible. (Use link to access current issue, click on “Archives” and select Fall 2008, go to pages 34-37) <http://radiantlivingmag.com/>



“It’s a ‘Perfect Storm’ for Geo Systems” ACHR News, July 2006 Geo Source One completes a geothermal installation for a New Albany area Patio-Home with vertical wells installed within a 30 x 30 foot back yard area. All well cuttings are collected and removed from the site for this hybrid dual-fuel installation where geothermal serves as primary heat and natural gas as the secondary / auxiliary heat source.

http://www.achrnews.com/Articles/Feature_Article/330d9d9d7e7bc010VgnVCM100000f932a8c0

“Geothermal, Radiant a Congenial Pair” by Robert P. Mader - Contractor magazine. An excellent discussion detailing the merits of combining geothermal heat with low temperature radiant floor heating systems. http://contractormag.com/radiant/geothermal_radiant_1260/



Grundfos Versa Flow Pump, (Advertorial) / Jeff Persons / Geo Source One Inc. <http://www.grundfoss.dk/web/HomeUs.nsf/Webopslag/OMAT-72STN7>



Radiant Panel Association Geothermal and Radiant Heating Webinar series (DVD series) by Jeff PersonsAvailable through the RPA publications store:

“Ground-Up Geothermal” ...RPA Green Team Seminar

http://www.radiantpanelassociation.org/i4a/store/category.cfm?category_id=11#Product139

“Geothermal and Radiant Heating”

http://www.radiantpanelassociation.org/i4a/store/category.cfm?category_id=11#Product171

“Geothermal – Site Evaluation and Loop Design”

http://www.radiantpanelassociation.org/i4a/store/category.cfm?category_id=11#Product185

“Geothermal – System Piping and Pumping”

http://www.radiantpanelassociation.org/i4a/store/category.cfm?category_id=11#Product186

“Geothermal – Design for Hydronics”

http://www.radiantpanelassociation.org/i4a/store/category.cfm?category_id=11#Product187

ACCA – Comfort “U” Webinar November 2009 Available through ACCA

“Risk Management in Planning for a Commercial Geothermal Loop Installation” by Jeff Persons / Geo Source One Inc. <http://www.acca.org/comfortu/archives/session.php?id=305>

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