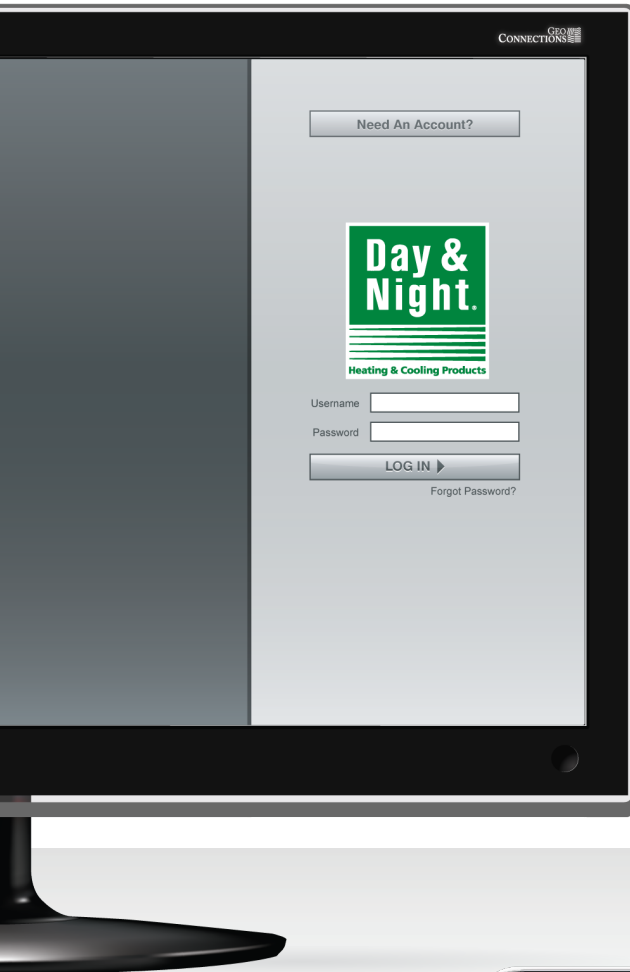# Day & Night®

Heating & Cooling Products

Introducing

Day & Night Geothermal Design Software is a customized version of LoopLink RLC offered by Day & Night through Geo-Connections. This online loop design software will enable you to design ground loops for multiple zone, multiple heat pump geothermal systems faster and more accurately than ever before.

Powered By LoopLink RLC

Day & Night is proud to work with Geo-Connections, a leader in the development of software and learning resources for the geothermal industry, to bring you this custom version of LoopLink RLC.

Through this relationship, we will continue to bring you the best products and service while Geo-Connections maintains and supports the software.

◀ **TRY NOW** | DAYANDNIGHT.LOOPLINKRLC.COM

Features

Effortlessly Up-To-Date

It is only through consistent effort and revision that software can fulfill the ever-evolving needs of users. Our web-based design enables us to enhance and improve the software without any additional cost to you.

As soon as we have tested that a new feature is working correctly we push the solution live. This means that every time you log-in you are guaranteed to be working with the most recent version.

Ready Where You Are

Work on the most up-to-date version of our software from any device, anywhere you have internet connection. There are no proprietary file formats or installations tying you down to a single workstation.

Accurate Repeatable Results

Design with confidence using the only software built on the calculation methods outlined in the 2011 IGSHPA Residential/Light Commercial Design Manual.

Features

Experience Applied

Geo-Connections engineers literally wrote IGSHPA's book on residential and light commercial geothermal design. They then took their knowledge and over 50+ years of cumulative experience and poured it into the creation of LoopLink RLC. The result isn't just the first software designed around the new IGSHPA standards, it is the only software designed by the authors of those standards.

User Support

Day & Night Geothermal Design Software is designed to leverage the access and simplicity of web based applications with the speed and capability of old fashioned installed software. The result is a solution that is so easy to use, you will probably never need to call for help. But if you do need help, you will be in good hands. As part of your subscription, you gain access to the expert staff at Geo-Connections for all of your software and system design support questions. Day & Night is still your expert source for equipment information and support.

Features

Multiple Heat Pump Projects

Take on bigger residential projects than ever before with the only residential software that allows up to 10 zones with any number of heat pumps per zone.

Load Estimator

When a customer asks for an estimate to fix a car, a mechanic can easily price out parts and ball-park his labor costs. When a person wants to get an estimate for a GSHP system... there is a little bit more effort that goes into the process.

Using the built-in Load Estimator, a system designer can accurately estimate the sizing and cost of operation of a system without doing the complete load calculations for the conditioned space.

Fixed Length Mode

Perhaps the most powerful loop design tool introduced to date, fixed length mode gives users the ability to refine their designs by targeting specific lengths.
The system then calculates the minimum and maximum entering water temperatures and adjusts system performance accordingly.

Features

Economic Analysis

Accurate cost estimates are just as important as getting the design right, which is why we provide a comprehensive set of economic evaluation tools that enable you to show customers:
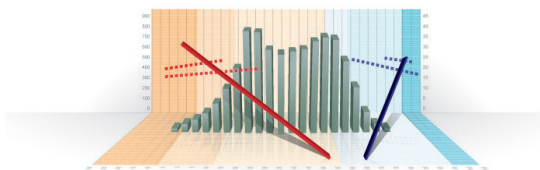
◎ Simple Payback
◎ Operating Cost Comparisons
◎ Ownership Cost Breakdowns
◎ Accrued 30 Year Savings

Professional Reports

Present your customers with professionally designed reports that take seconds to generate and can be saved, emailed or printed with the click of a button.

Load & Operating Profile Graph

Included in the design report, this graph is a great tool for showing customers how their system is expected to operate after being installed. Quickly point out to a home/building owner how the heating and cooling loads are split up into hours of operation in high and low capacity. In the case of heating mode, show when supplemental resistance heat will turn on or when the system will switch over to dual fuel operation.

Features

Dual Fuel

Dual fuel systems are popular in areas with extreme cold and where hydronic delivery is predominant. This feature is especially useful for those who plan to heat their home with a secondary system on really cold days. The way we have approached it, you can choose how many hours the dual fuel system will run or at what temperature it will kick in.

You also have the flexibility to choose whether the dual fuel system replaces the electric backup or if the system is used with a supplemental resistance heater.

Weather & Performance Data

LoopLink RLC contains weather data from over 1000 locations across the U.S. and Canada. With our web-based platform, those numbers will continue to grow over time.

Carbon Emissions Calculator

Compare the upstream and point of use carbon emissions of ground source heat pumps to conventional systems with the CO_2 Emissions Calculator.

Work Online

LoopLink RLC's cloud-based subscription model solves the majority of problems with old-fashioned boxed software.

Access

Log in and work from anywhere, anytime you have an internet connection. Connect with your tablet, laptop or smart phone to access all of your projects.

Ease of Ownership

Access the fastest, most accurate ground loop design software available without downloads, installs or updates.

Peace of Mind

All projects are stored remotely on secure mirrored servers running regular back-ups that are designed to maximize uptime and minimize the risk of data loss.

Don't Buy, Subscribe

We don't want users locked in by the sheer magnitude of their initial investment in our software. We want users that need and want to use our software because it is simply the best.

Accountability

Upgrades, new equipment, weather locations, supplemental calculators and other enhancements are included as part of your subscription at no extra charge because if you are unsatisfied, there is no reason for you to maintain your subscription.

Expert Support

LoopLink RLC subscriptions include free technical support from our team of geothermal experts.

Affordability

Month-to-month, or a year at a time, select the option that best matches how you work to minimize your cost.

Head To Head

LoopLink RLC is a full featured geothermal design software that offers capability and value that far exceed the free software offered by some manufacturers.

Category	Feature	LoopLink	Other Software
Equipment Selection	Multiple Zone Support	•	-
	Load Estimator	•	-
	Hot Water Generation	•	•
GHEX Design	System-Wide Loopfield Configuration Comparison	•	-
	Vertically Bored	•	•
	Horizontally Bored	•	•
	Horizontally Trenched (Slinky)	•	•
	Horizontally Trenched (Straight Pipe)	•	•
	Horizontally Trenched (Racetrack)	•	•
	Pond Loop	-	•
	Fixed Length Mode	•	-
	Advanced GHEX Design Parameters	•	-
Versioning / Updates	Up-To-Date Weather Data	•	-
	Up-To-Date Equipment Profiles	•	-
	Free Software Upgrades	•	•
Customer Support	In-Context Help	•	-
	Live Tech Support	•	-
	Access To Geo-Connections Designers	•	-
Economics	Cost Of Ownership Analysis	•	-
	Operating Cost Analysis	•	•
	Simple Payback Calculator	•	-
	CO2 Emissions Calculator	•	-
Reports	Comprehensive Design Reports	•	limited
Accessibility	Cross Platform Support (Windows, OSX, Linux, iPad, iPhone, Blackberry, Android)	•	-
	Anywhere/Anytime Software Access	•	-
	Tables & References from the New IGSHPA Manual	•	-
Cost	Free	-	•

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Right For You

With flexible subscription plans you can choose how much and how often you want to pay. If you're just getting into geothermal, go monthly. Or, if you have steady design work save a bundle and subscribe for the year.

ANNUAL PLAN
Pay for the year and save.

$99/YR
SAVE $141.00!

MONTHLY PLAN
Pay month to month.

$20/MO

Answers From Experts

Geo-Connections' support staff is their development team. They wrote the code, built the interface, developed the help and may have even helped to write the IGSHPA RLC manual. If you call during normal business hours, you will talk to a human being, and not just any human being but, a qualified, well trained human being.

When you have trouble, you are put in direct contact with these highly qualified people because there is no one better qualified to get you back to work.

866.995.4449

Monday - Friday 8-5 CST

looplink@geoconnectionsinc.com

8AM-10PM Seven Days A Week