

Green House Data Reduces Cooling Costs by 90%

Green House Data—a 100% wind powered data center in Cheyenne, Wyoming—began its business in 2008 with the mission to build a super-energy-efficient client server and data storage system. Coolerado helped the company meet its mission by reducing its total energy consumption by 40%.

Specifications

Customer

Green House Data

Location

Cheyenne, Wyoming

Property Type

Data Center

Square footage

2,000 with upcoming add of 3,000

Solution

14 Coolerado M50's

Results

- 90% cooling cost reduction
- 40% reduction in total building energy consumption
- Zero down time
- Free cooling in shoulder season

Green House manages all critical IT infrastructures for its clients with solutions that include security, service monitoring, patching, cloud computing, and collocation.

“We are a completely redundant data center. Therefore, we wanted our cooling system to be completely redundant as well,” said Shawn Mills, CEO and owner of Green House Data.

“Part of what appealed to us about Coolerado solutions was the modular installation capability. Which meant, if we ever had to service one of the air conditioners, we could

take it offline—never affecting our servers and operation.”

Like most data centers, Green House Data's biggest concerns are reliability and uptime. Its facility requires server-room cooling 24 hours a day, seven days a week. Traditional cooling methods would have taken an enormous amount of energy throughout the year. But, by using Coolerado's patented technology, Green House Data dramatically reduced its energy usage.



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“In our search for cooling options, we were excited by the efficiency Coolerado products reported and by the prospect of being able to save money while cooling.

In two years of operation using Coolerado air conditioners, we've seen our cooling bill decrease by 90% and have experienced an overall total energy reduction in the data center of 40%,” said Mills.

Using 100% fresh air in the cooling process, Coolerado's installation at Green House Data also provides free cooling to its facility during shoulder seasons, further decreasing its server and energy consumption costs.

Besides providing Green House Data with a dramatic reduction in energy savings and an increase in sustainability, Coolerado also met the company's reliability needs.

“In our two years of experience with Coolerado, we've had zero downtime on any critical component. And, any time we've needed to leverage customer service needs, we've always had a same-day response.”

Green House Data's success story has also translated into extraordinary growth. The company experienced a 300% increase in business over a six-month timeframe. As a result, it purchased six additional Coolerado M50's to cool its aisles.

And, the story is far from over. Green House Data is currently in the process of adding 3,000 square feet to its facility. As server capacity and infrastructure increase due to future client needs, the company knows Coolerado will be there to keep them cool and running 24/7.

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**Shawn Mills,
Owner and CEO**

About Coolerado

Based in Denver, Colorado, Coolerado has been designing, manufacturing and marketing super-energy-efficient air conditioning systems for light commercial use, based on its proprietary, patented and proven technology since 2004. Customer energy savings of over 80% have been recorded with this cost-effective technology. Coolerado products are highly reliable and virtually maintenance-free and are currently operating in many countries around the world. Coolerado is another quality product by Seeley International.

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