

CDMG Highlights Sustainability as Best Feature of Metal Buildings

July 15, 2021

Canonsburg, Pennsylvania - July 15, 2021 -
Pennsylvania-based CDMG is a leader in the design of metal buildings. The PA steel building company explains that some of the top features of metal buildings are that they are eco-friendly, energy-efficient, and cost-efficiency. According to the #1 steel building design company in Pennsylvania, steel frame construction can make the business more energy-efficient and reduce energy costs. It's one of the reasons that metal buildings are the best choice for airplane hangars.

Click on the link to read the entire article, https://www.cdmg.com/building-faqs/how-do-metal-buildings-reduce-energy-costs.

CDMG starts the article with an emphasis on the durability of metal as the leading reason for its choice as the best building material. Unlike traditional building material, steel is weather-resistant and highly durable, making it a material of choice as a low-maintenance option.

Insulating a metal building is another benefit listed by CDMG, emphasizing its energy efficiency and eco-friendliness. High-performance insulation prevents air and heat from escaping the facility during winters. According to the metal building designers in Pennsylvania, less stress on the heating and cooling system brings down utility bills and is a step toward energy conservation.

The best metal building manufacturer designs prefabricated steel buildings with a cool metal roof that allows heat dissipation through the ridge vent in hot weather or acts as an insulating layer in cold conditions, thus slowing down the transfer of heat. CDMG suggests adding white roof panels to deflect the heat even more.

Cool metal roofing is an energy-saving initiative that starts with steel production and recycling and involves less energy expenditure.

The strength and durability of steel reduces the amount of framing material needed to construct durable frames. CDMG emphasizes that an obsolete steel building can be reused for another building or recycled into yet another steel product. Thomas Corry, metal building division manager states, "The more steel we can recycle, the less of it will make its way to a landfill."

CDMG is the top metal building supplier in Pennsylvania that designs customized prefabricated steel buildings in the factory that are shipped and ready to erect at the job site.

The #1 industrial metal building company suggests focusing on the steel building's energy savings and energy efficiency to get an energy audit and assess any inefficiencies, such as leaks, holes, or gaps in insulation.

Metal buildings save tons of money in the long run, claims CDMG. The best steel building contractor can leverage its skills to add to the benefits of choosing metal for construction. CDMG is the metal building kit supplier of choice for those looking to construct metal facilities.

The company has decades of experience supplying quality, energy-efficient, customizable, durable, and cost-effective pre-engineered steel buildings in various industries throughout the United States.

https://www.youtube.com/embed/ziIGdhDZm60

Get in touch with metal building experts in Pennsylvania on the CDMG via their website.
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For more information about CDMG Metal Buildings, contact the company here:CDMG Metal BuildingsThomas M. Corry(724) 873-4700info@cdmg.comSouthpointe Industrial Park150 Technology DriveCanonsburg, PA 15317

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"articleBody": "Sustainability is an increasingly important point to consider when designing a new building. A metal building is a sustainable solution that can be custom-designed to meet your needs. Steel has become the building material of choice for business owners looking to build a new facility that focuses on energy efficiency and slashing energy costs. Focusing on energy efficiency is a practical strategy for improving the world we live in while also reducing energy costs at the same time. In the article below, we will discuss how steel frame construction can help make your building more energy-efficient and help slash your energy costs. Table of Contents Pre-engineered Metal Buildings Are Durable Metal Building Insulation Cool Metal Roofs Energy Saving Starts With Steel Production and Recycling Reduced Site Impact Temperature Control Get An Energy Assessment Ready To Build With Steel? CDMG Is Ready To Help Pre-engineered Metal Buildings Are Durable First and foremost, steel buildings are durable. As a building owner, you should know that steel buildings are a smart long-term investment because it offers superior durability you can count on. Compared to traditional building materials like wood, steel is more resistant to damage from high winds, heavy snowfall, fire, and other natural disasters. The durability of steel contributes to low-maintenance costs over the life of your metal building. And the unmatched lifespan of steel buildings helps reduce the use of raw materials used to construct new buildings and maintain existing facilities. Metal Building Insulation Metal building insulation is a must if you're trying to lower the energy cost in your eco-friendly steel building. High-performance insulation available for steel structures keeps air from escaping your facility. That means you'll have less heat escape in the winter and less cool air escape in the summer, so your air conditioning isn't constantly running. This translates to less stress on your heating and cooling system all year, decreasing the amount of energy your building will consume, and lowering your energy bills. It's a simple part of the

construction process, but it may be the most important strategy to conserve energy and save money. All you have to do is figure out which insulation will work best with your steel frame building. Cool Metal Roofs All prefabricated steel buildings can have a cool metal roof. Cool metal roofs are an excellent option for commercial buildings because they can be easily and efficiently installed with above-sheathing ventilation. That allows heat to dissipate through the ridge vent in hot weather or act as an insulating layer when it is cold. Either way, it slows the transfer of heat. You can even add white roof panels to deflect the heat even more. Cool metal roofing has been shown to result in as much as a 30% reduction in heat gain through the roof. Energy Saving Starts With Steel Production and Recycling Another one of the benefits of steel is that over the past 40 years, the steel industry has reduced, recycled, and reused its way toward substantial energy and resource savings. Substantial savings are found in recycling steel, which takes less energy to do than producing raw steel. Steel has been recycled in the United States for over 170 years. The steel industry has stretched natural resources in a variety of ways. Steel is strong, so it reduces the amount of framing material that's needed to construct durable frames. And if your steel building ever becomes obsolete, all of the steel can be reused for another building or recycled into yet another steel product. Every steel product has at least a little bit of recycled steel, so it's easy to imagine how many BTUs of energy are saved each year around the world. Structural steel averages 77% recycled material and even includes scrapped automobiles. The more steel we can recycle, the less of it will make its way to a landfill. For every ton of steel recycled, 250 cubic feet of space is saved. Reduced Site Impact Prefabricated metal building components are manufactured to fit custom size requirements. They are shipped ready to install when they arrive at your job site. This allows for a smaller job site and less erosion and other disruptions to surrounding areas. It also helps lower waste from sizing materials onsite. The cool metal roofing that we talked about above can also reduce site impact. Select colors designed to reflect the sun?s heat instead of absorbing it. This reduces the urban heat island effect. The heat island effect is the 6-8 degree temperature increase in urban areas compared to surrounding rural areas. This increase in temperature can worsen the effects of existing air pollution and increase cooling costs for surrounding buildings. Temperature Control Focusing on the temperature of your steel building can go a long way when trying to cut energy costs. Some thermostats can even be programmed to require a passcode. Temperatures can be regulated by allowing only a few people the capability of adjusting them. Make sure to adjust the temperature for off-hours and holiday breaks. It may not seem like it, but a couple of degrees hotter in the winter or cooler in the summer can have a tremendous impact on your energy bill. Get An Energy Assessment The more you focus on energy savings and the energy efficiency of your steel building, the more benefits you will see. That's why it may be a good idea to get an energy audit for your building. Energy professionals are available to inspect your business and assess where any inefficiencies might be. That could include window leaks, holes in your insulation, or gaps where insulation should be installed. It'll cost you a little bit of money to have the building inspected, but the results could save you thousands of dollars in the long run. Ready To Build Your Steel Building? CDMG Is Ready To Help If you like the idea of saving thousands of dollars in energy costs over the life of your building, steel is the building material for you. No matter where you are in the process of building, CDMG can help. CDMG supplies pre-engineered steel buildings to clients in various industries throughout the United States. CDMG

offers the full spectrum from pre-engineered and hybrid to fully custom-designed buildings. They are the best source for high-quality, cost-effective buildings perfectly tailored to your unique needs. If you're interested in a steel building and want to talk to a team of experts, click the button below. The team at CDMG can't wait to talk to you. Check out our other pre-engineered metal building articles: Why Are Metal Buildings Great For Airplane Hangars? How To Choose The Right Pre-Engineered Metal Building Manufacturer What Are The Benefits of Industrial Metal Buildings? Topics: Energy Savings First Name* Last Name Email* Website Comment* ABOUT SERVICES MARKETS CONTACT About CDMG A subsidiary of the STEVENS family of companies, CDMG offers full-service, multi-discipline engineering, project management, and construction management services for projects nationwide. ",

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From our Southpointe office in Canonsburg, Pennsylvania (20 miles south of Pittsburgh), CDMG serves the engineering and project/construction management needs of customers nationwide.

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