



MUNGER

Success Story

Sustainable Commercial Building Options



Creed Monarch

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Project Overview: Creed Monarch, a premier manufacturer of precision metal components, partnered with Munger Construction to install a large-scale rooftop solar array at their New Britain, CT facility. This solar initiative aligns with Creed Monarch's ongoing commitment to sustainability and energy efficiency within its manufacturing operations.

The project involved the installation of 3,036 individual Trina 325 Watt photovoltaic (PV) panels, designed and installed by Munger Construction in collaboration with Independence Solar. The PV system produces 986 kW of energy, which is directly integrated into Creed Monarch's energy grid, significantly offsetting the energy costs for their day-to-day manufacturing processes.

Success Story: Creed Monarch

Key Features:

- **Energy Output:** The PV system consists of 3,036 Trina 325 Watt panels that generate a total of 986 kW, directly feeding into the facility's grid to power its manufacturing operations.
- **Sustainable Design:** The solar array not only reduces the facility's carbon footprint but also enables long-term energy savings.
- **Innovative Engineering:** Munger Construction designed the array to allow for full access to the roof, ensuring that Creed Monarch can conduct any necessary maintenance or repairs without disruption.
- **Durability and Reliability:** The Ironridge rail system securely mounts the panels to the rooftop, ensuring long-term stability and performance.

Challenges and Solutions: One of the key challenges was ensuring that the installation would not compromise the facility's roofing system or hinder future maintenance efforts. Munger Construction's expert team addressed this by designing a solar array configuration that maintains complete accessibility to the rooftop for future repairs or maintenance, protecting the longevity of the facility.

Additionally, the project required close coordination between Creed Monarch, Munger Construction, and Independence Solar to ensure that the PV system would seamlessly integrate with the facility's electrical infrastructure while meeting the energy needs of the operation.

Results: Creed Monarch now benefits from a significant reduction in energy costs, thanks to the clean, renewable energy produced by the 986 kW rooftop solar array. The project not only supports the company's environmental goals but also enhances operational efficiency by directly powering their manufacturing processes.

With the array fully operational, Creed Monarch is positioned as a leader in sustainable manufacturing, setting an example of how renewable energy can be effectively harnessed in the industrial sector.

Conclusion: Munger Construction is proud to have delivered a solution that not only meets Creed Monarch's energy efficiency goals but also supports their long-term sustainability strategy. The successful completion of this project underscores our commitment to delivering high-quality, innovative construction solutions that add value to our clients' operations.

Our Core Competency:

Building Long Lasting Relationships With Customers and Partners.

We Add Value From Start to Finish:

Convenience, Advice, Integration of High-quality Products, Design/Build Services, Support.

No Shortcuts:

Built to the Highest Structural Standards Without Compromising Integrity, Quality or Professionalism.



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