

POWER SYSTEMS MANUFACTURER REACHES OUT TO NCMEP PARTNER TO ASSIST IN UPGRADING THEIR FACILITY

ABOUT AEGIS POWER SYSTEMS, INC. Located in Murphy, North Carolina, Aegis Power Systems, Inc. is a leading supplier of AC-DC and DC-DC power supplies for custom and special applications. Aegis has been designing and building highly reliable custom power supplies since 1995. The organization offers a complete line of switch mode power supplies and power converters for various markets including defense, industrial, aircraft, electric vehicle, and telecom. Aegis Power Systems maintains an agile workforce to support low-volume production - a valuable trait for defense businesses in the product research and development stage.

THE CHALLENGE. Aegis Power Systems CEO Arlissa Vaughn oversees the various departments within the organization and a glaring problem she observed was the lack of space in their facility. Due to the restricted workspace, Aegis Power Systems' prototyping and production spaces were overlapping, disrupting the workflows. Looking to expand its facility, Aegis Power Systems reached out to NC State University Industry Expansion Solutions (IES), part of the MEP National Network™.

MEP CENTER'S ROLE. IES regional manager Chris McGraw connected Aegis with industrial design resources to create a blueprint for optimizing their space and expanding their existing facilities. IES helped Aegis complete a SWOT (strengths, weaknesses, opportunities, and threats) analysis of the areas they needed to refine to see the maximum output. "We are in the habit of seeing if we can come up with a solution ourselves before we look for any external assistance but we were all glad about bringing in IES to help. IES provided thorough evaluation and new approaches that saved us from making costly mistakes," Vaughn confessed.

In October 2022, Aegis Power Systems held the official grand opening ceremony of the expanded facility. Increased room for research and development isn't the only exciting change. With the new upgrade to their facility, Aegis employees have the social space needed for meetings, lunch and other employee engagement events. "We got this new breakroom and it's been awesome. Our previous breakroom is funny to look at now because we could only fit four people at a time during COVID-restrictions. We can see how the new area promotes a more social and collaborative environment," Vaughn said. "We're extremely grateful that this worked out the way it did."

"As a small organization, we're resource-sensitive; IES was aware of that fact. If you do a simple Google search for an architecture or engineering firm that does manufacturer studies, almost all of them will charge you an arm and a leg. Never during the process of working with IES did they propose something we couldn't afford. They customized a plan for us personally."

-Arlissa Vaughn, CEO

RESULTS



8 created or retained jobs



\$120,000 in new investment



\$75,000 in other



\$6,000 in new products

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