Connecting Manufacturers to World-class Expertise: MAGNET and NASA Glenn

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WHO WE ARE

- MAGNET is an established non-profit organization that works with small to medium-sized manufacturers in Northeast Ohio to enhance the company’s products, processes, and workforce.

- We are a one-stop shop for manufacturers and provide an array of services, including in-depth consulting, product design and development, management of hiring and training needs, improvement of operations and quality assurance, and the acceleration of sales and marketing.

- Our partners help us to understand your needs and provide additional advice and services to support your growth.
ADOPT A CITY PROGRAM

- Started in 2012 by MAGNET: The Manufacturing Advocacy and Growth Network, NASA Glenn Research Center, Cuyahoga County, and the City of Cleveland

- Grew out of President Obama’s “Strong Cities, Strong Communities” initiative

- 8-10 small and mid-size manufacturers selected for the program were eligible for subsidized loans and up to 40 hours of assistance from NASA subject-matter experts

- As of Dec. 31, 2015, the Adopt a City Program has:
  - Created and retained 61 jobs
  - Generated over $6.1 million in revenue
  - Over $881,000 in cost savings
  - More than $35 million in manufacturing investments
NASA ROADSHOWS

- Designed to offer assistance to local manufacturers in different regions, including Canton, Youngstown, Toledo, and Dayton
- Used as another way to make NASA accessible to small manufacturers and educate companies about NASA services and expertise
- Utilizes partner relationships to boost the manufacturing economy in the state of Ohio
SUCCESSES: PILE DYNAMICS

- Largest manufacturer of foundation dynamic testing equipment in the world
- Needed to find an inexpensive epoxy or similar substance to protect sensors from moisture
- NASA surveyed various epoxy resins, evaluated materials, and helped with a waterproofing solution that enabled sensors to be used underwater
- Impact: Over $100,000 in cost savings, creation of several jobs, increased sales and revenue that attracted more private investments
SUCCESSES: VADXX ENERGY

- Akron-based manufacturer of synthetic crude oil made from waste plastics and difficult-to-recycle industrial products
- Required assistance in modeling and optimizing their rotary kiln
- NASA developed analytical models for predicting commercial throughput rates and provided efficiency improvements needed for additional energy production
- Impact: Creation of several jobs, more than $20 million in additional investments, relocation from Cleveland to Akron, opening of new state-of-the-art facility
Thank you!

Visit manufacturingsuccess.org or call 216.600.1022 to learn more about MAGNET: The Manufacturing Advocacy and Growth Network.