



OPEN | COLLABORATIVE | PRE-COMPETITIVE | DE-RISKED | INNOVATION

FOCUSING ON COMPARATIVE ADVANTAGES

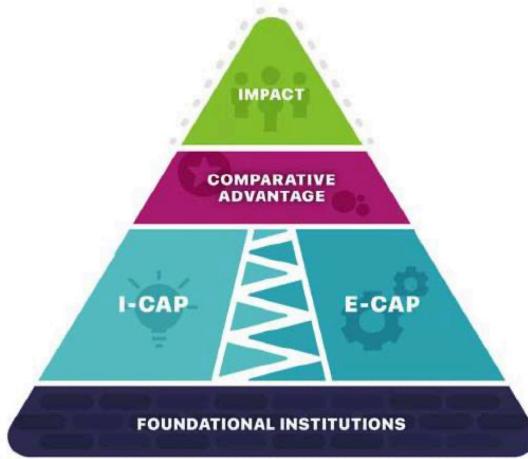


Figure 1: the 'System' for innovation-driven entrepreneurship



METALS
INNOVATION
INITIATIVE

KY METALS INDUSTRY GUIDE

KENTUCKY MADE METALS

Since 2019, more than 80 metals-related announcements have contributed to over **\$4 billion** in investments and approximately **4,000 full-time jobs** in Kentucky.

Kentucky has a skilled workforce experienced in metals production, with more than **14%** of the state's manufacturing workforce employed in the metals sector.

Kentucky's metals industry includes more than **250 facilities**, employing more than **36,000 people statewide**.

Kentucky metals companies play a vital role in the supply chain of several key industries, such as automotive/EV, aerospace, agritech and food & beverage. A few examples of the commonwealth's diverse metals base include:

- **Logan Aluminum**, a joint venture of **Novelis** and **Tri-Arrows Aluminum**, operates in Russellville and produces more than **2 billion pounds of aluminum annually**. Nearly half of the aluminum cans in North America are made from can sheet out of this Kentucky operation.
- **Bowling Green Metalforming** employs more than **1,400 people** at a **1 million-square-foot facility** in Bowling Green, producing truck frame assemblies, engine cradles and suspension links for parent company Magna International.
- **Stephens Pipe & Steel** in Russell Springs has grown from a small service shop to the largest American-owned fence distributor and manufacturer, with **16 locations** servicing more than **5,000 customers worldwide**.
- **Reynolds Consumer Products** produces its iconic aluminum foil in Louisville. The company has a presence in **95% of U.S. households**.

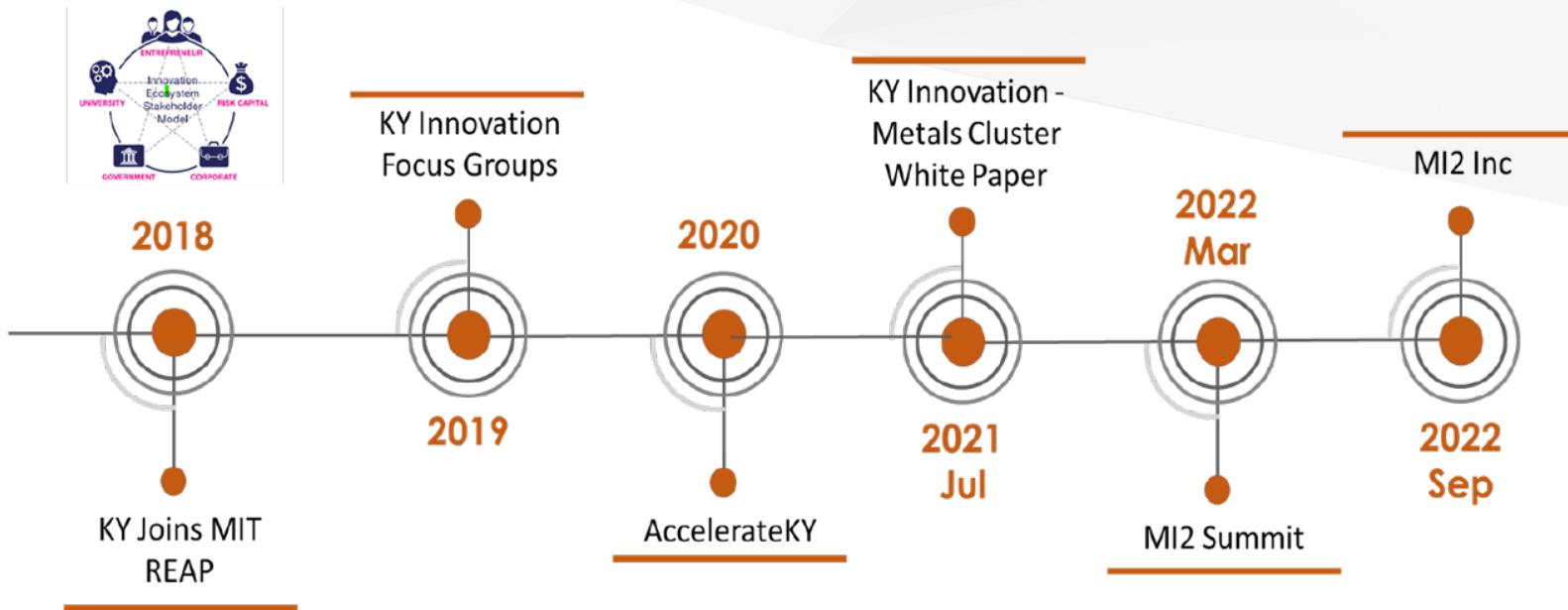
METALS INVESTMENT IN KENTUCKY





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TIME OF PROFOUND CHANGE FOR US INDUSTRY



Persistent talent shortage



Supply chain reshoring



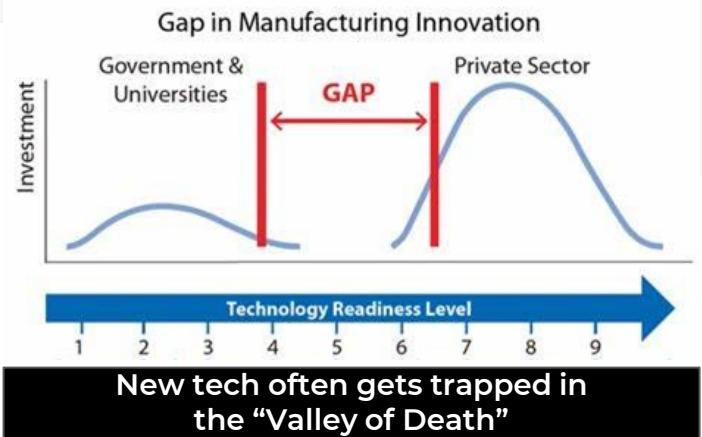
Emerging technologies
will transform
manufacturing



New industries need
new solutions



Sustainability requirements
increasing





THE METALS INNOVATION INITIATIVE



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**TOGETHER, MAKING
KENTUCKY THE DESTINATION
FOR METALS INNOVATION.**



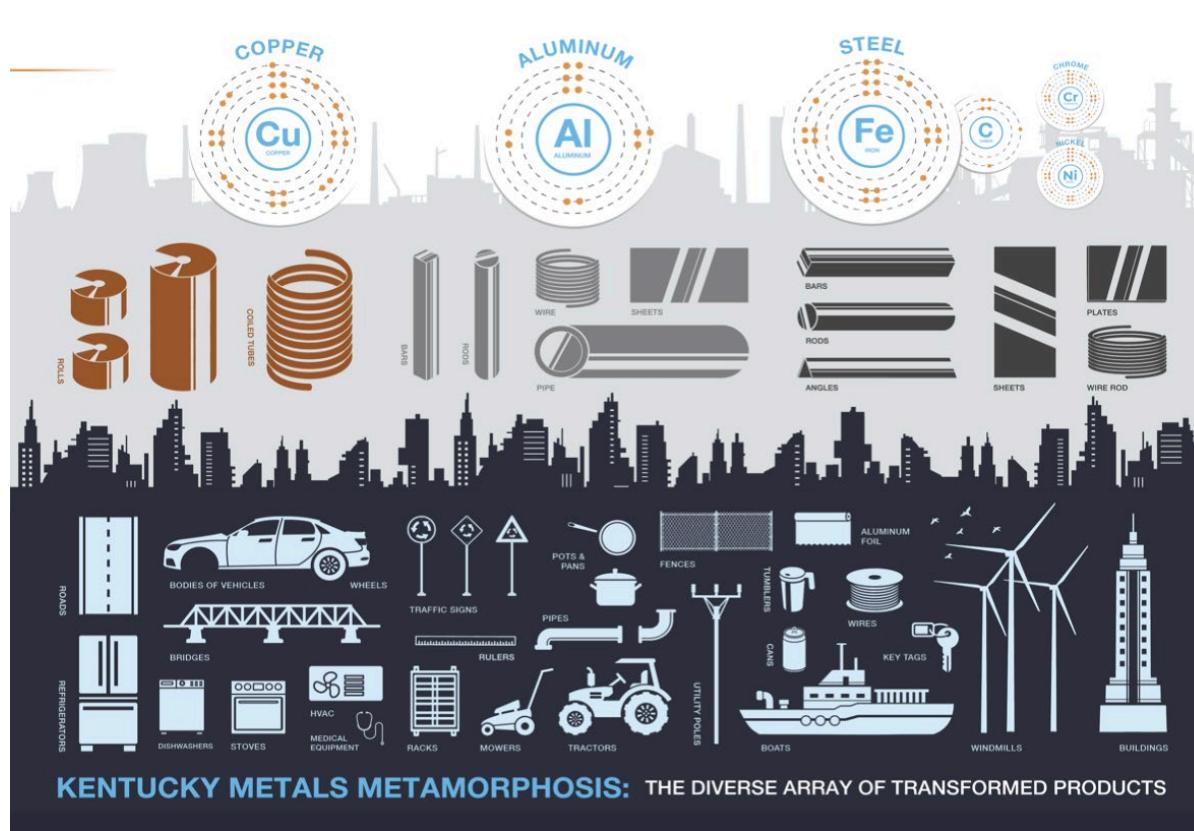
STRATEGIC FOCUS AREAS

MI2 YEAR ONE



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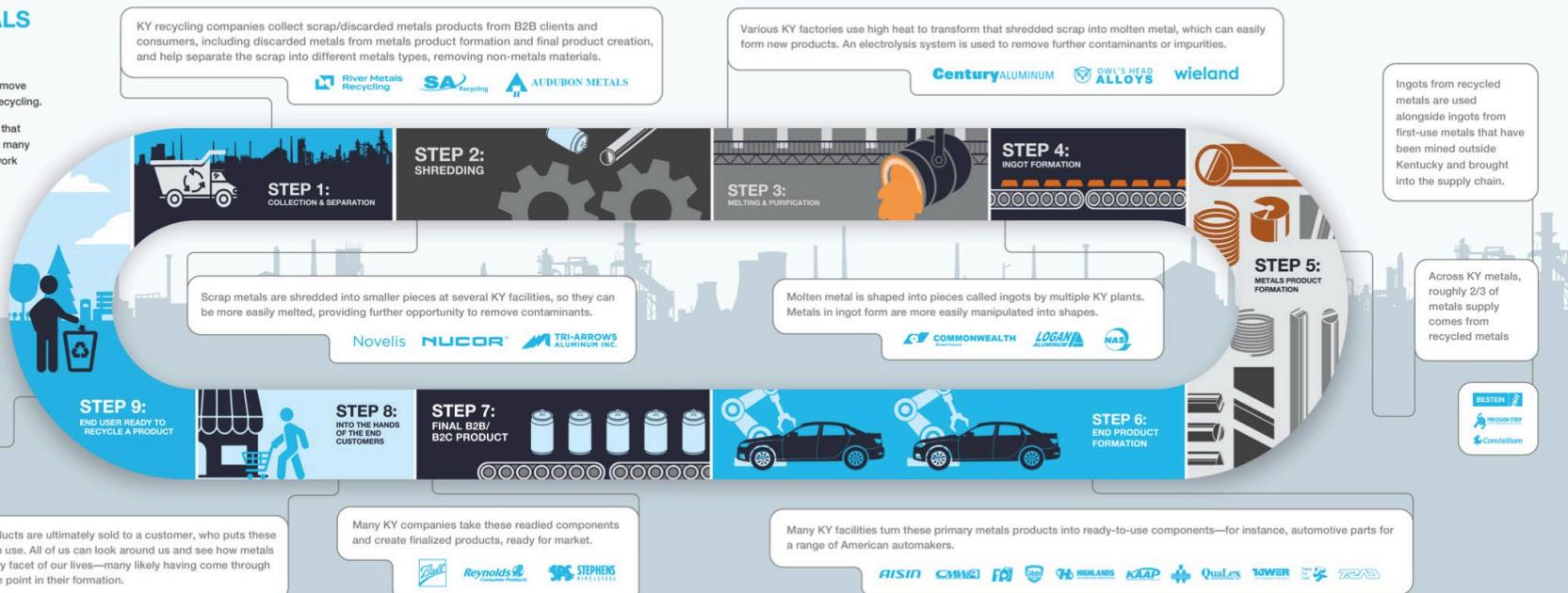
KY METALS INDUSTRY GUIDE

KENTUCKY METALS LIFE CYCLE

This graphic illustrates how KY metals move through a circular economy driven by recycling.

While it references specific companies that contribute to each step of the process, many of KY's innovative metals companies work across multiple stages of the cycle.

When a product has reached the end of its life cycle, the company or customer looks at how to recycle it. Some KY companies provide technologies that assist in that process.



STRATEGIC FOCUS AREAS

MI2 YEAR ONE



TALENT/WORKFORCE



SUSTAINABILITY



GRANTS & FUNDING



BRANDING



METALS INNOVATION INITIATIVE MEMBERS



Trace
Die
Cast



METALS INNOVATION INITIATIVE PARTNERS





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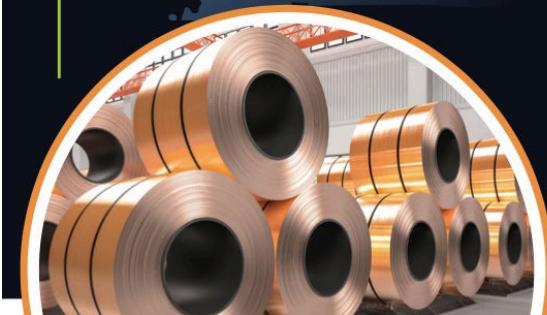
KY METALS INDUSTRY GUIDE



TEAM
KENTUCKY.
CABINET FOR
ECONOMIC DEVELOPMENT

KENTUCKY METALS INDUSTRY

CED.KY.GOV





MI2 CONFERENCE: THE FACTORY OF THE FUTURE





METALS INNOVATION SEARCH

Join us in driving the future
of the metals industry!



METALS INNOVATION SEARCH 2023

SUBMISSION PERIOD:

JUNE 13 - AUGUST 15, 2023

PITCH FOR FINALISTS:

SEPTEMBER 5, 2023

<https://mi2.konexons.com>

<https://mi2ky.org>



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NSF REGIONAL INNOVATION ENGINES



Ky-based additive manufacturing cluster project a finalist for major federal funding

Partners include higher education, nonprofit organizations and industry leaders

⌚ August 3, 2023 ⚽ 685 Views



KENTUCKY SCIENCE & TECHNOLOGY CORPORATION

**GC GAME
CHANGE**

USDOL: JOB QUALITY ACADEMY

JOB QUALITY ACADEMY

Collaborating on Kentucky Job Quality Academy, One of 16 National Teams in US Labor Department Program

MI2's participation in Job Quality Academy provides our organization the opportunity to see efforts taking place around the U.S. on job quality and to learn from subject matter experts. With Kentucky's team focused on advanced manufacturing, our participation gives us a voice in defining job quality for manufacturing across the state and nationally and early access to what we learn for our members.

 **TALENT/
WORKFORCE**

 **BRANDING**

 **GRANTS & FUNDING**



BlueOval **SK**



TIME HORIZON: March 2023 - December 2023

COST: < \$10K

STATUS: Active





MI2 YEAR TWO



UKNOW | UNIVERSITY OF KENTUCKY NEWS Sections

Research

Kentucky team seeks federal designation for metals and advanced manufacturing tech hub



Kentucky's Southwest Industrial Technology Commercialization Hub

STRATEGIC FOCUS AREAS

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SUSTAINABILITY



GRANTS & FUNDING



TECH INNOVATION



TALENT/WORKFORCE



ENGAGEMENT



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[GLI] GREATER LOUISVILLE INC.
IN THE BUSINESS OF BUSINESS
Advanced Manufacturing & Logistics Network
An Initiative of Greater Louisville Inc.



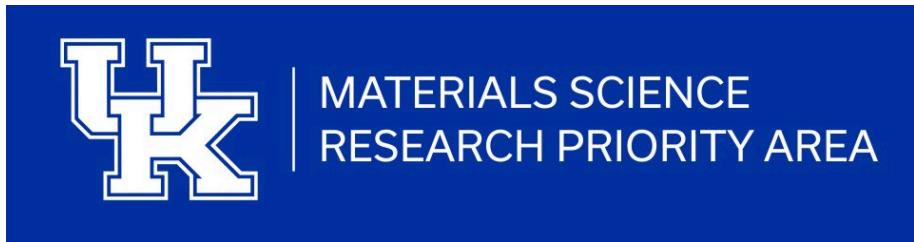
Zaczek hired to lead workforce participation

By DON SERGENT dsergent@bgdailynews.com Nov 10, 2022 Updated Nov 11, 2022



[/ New Center For Organizational Readiness Will Help Companies Prepare For Smart Technologies](#)

NEW CENTER FOR ORGANIZATIONAL READINESS WILL HELP COMPANIES PREPARE FOR SMART TECHNOLOGIES



Grants and Funding



EXPLORE GRANTS &
FUNDING OPPORTUNITIES



APPLICATION
ASSISTANCE



EXPLANATION OF
GRANTS DATABASE



COLLABORATION
& NETWORKING



Setting the bar

"What's your pain point?"

- **What positions are you having trouble filling?**
- **What skills are you having a hard time finding?**



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TALENT/WORKFORCE



Powered by

Kentucky Chamber
Foundation



BUS^{to}
BUSINESS

**SCK** LAUNCH


BOWLING GREEN
Just imagine.





- **Expansion of Metals Jobs Awareness**
- **Talent Pipeline Management**
- **Metals Industry Certification Program**
- **Job Quality Initiative**
- **Workforce Participation**
- **Workforce Demand Reduction**
- **First-Time Work Programs in Metals**



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TALENT/WORKFORCE



**Building Locally Distributed Organizations ::
a solution to Kentucky's workforce imbalance**



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