

# ReElement Technologies aims to close minerals recycling gap

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*Israel Gomez, plant manager at ReElement's Noblesville facility, shows how the company processes elements like lithium, germanium, gadolinium, antimony and yttrium for reuse from recycled materials. (IBJ photo/Chad Williams)*

It is well-documented that the United States is at a disadvantage in the market for critical minerals that are essential to the production of everything from military aircraft to smartphones.

But situated alongside a church, a gymnastics studio and a fencing club within a Noblesville strip center, a local startup is working to close the gap.

ReElement Technologies LLC uses technology developed and patented by [Purdue University](#) to refine and purify rare earth metals and permanent magnets at a time when the U.S. wants to break China's monopoly and overcome its adversary's restrictions on the materials.

"China owns more than 90% of the refining space for these critical minerals, so we need domestic capacity," ReElement CEO Mark Jensen told IBJ. "We need to be resilient."

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*Mark Jensen*