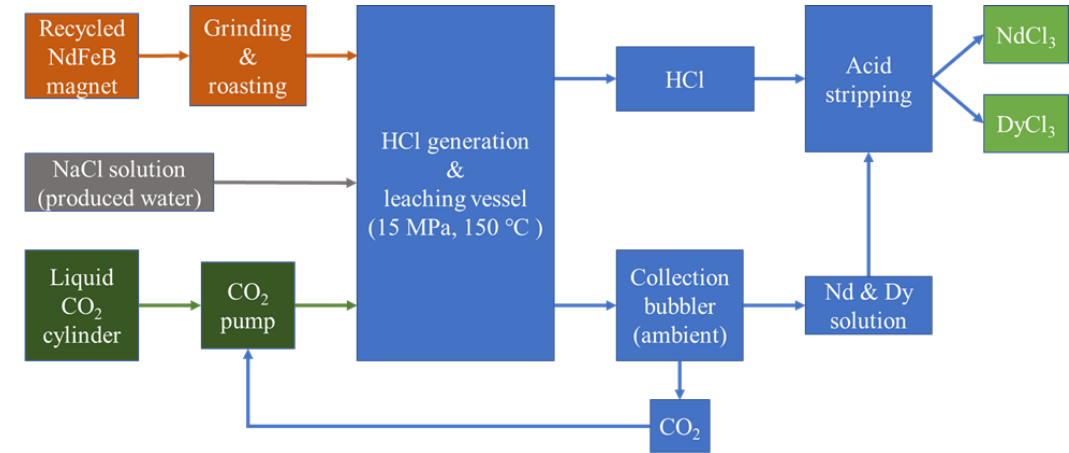


SUMMARY

- Advanced Cooling Technologies, Inc. (ACT) proposes a cost-effective process for in-situ acid generation and leaching of Nd and Dy from recycled NdFeB magnets.
 - The proposed process, coupled with CO₂ and produced water utilization, offers a compelling value proposition by generating multiple revenue streams and reducing environmental impacts.
- ACT has a commercialization index of 95% (sbir.gov), and has had product sales from commercializing SBIR technologies of more than \$200 million
 - DLA SBIR (SP4701-19-P-0048), ACT developed a process for extraction of Nd and Dy from NdFeB magnets recycled from computer hard drives.
- ACT also has on-going projects with Intel's data center, Amazon's Kuiper, and Tesla's Megapack.
 - ACT aims to facilitate the collection and recycling of end-of-life NdFeB magnets on a national scale.



Government Sponsors

Commercial Sponsors

- Defense Primes, Aerospace Contractors, Vehicle Manufacturers, Energy Companies, Start-ups

Innovation

- 31 U.S. Patents
- Routinely publish [journal & conference papers](#)

- 35 Engineers, 14 Technicians
 - Engineers have an education in mechanical, chemical, nuclear, material science, & aerospace engineering
 - 25 PhD, 5 MS, 5 BS
 - 215+ years of experience
 - Specialization
 - Chemical leaching
 - Two-phase heat transfer
 - Heat pipes & vapor chambers
 - Combustion & plasma sciences
 - Coatings
 - Thermal energy storage
 - Desalination

ISO 9001: 2015 and AS9100 Certified QMS by NQA
ACT PROPRIETARY INFORMATION

