

Liberated ICs Creating the Circular Chip Economy

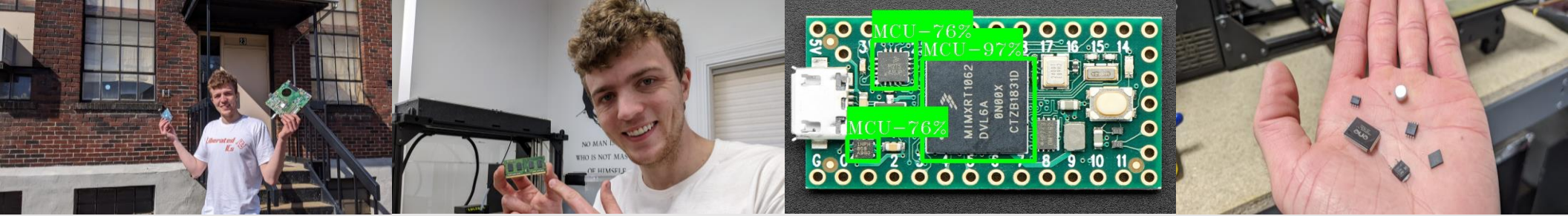


Figure 1: At Liberated ICs, we use the 57.4M tons of global electronic (e-waste) produced yearly to solve the ongoing computer chip shortage that has devastated the US manufacturing supply chain. We've developed a patent-pending process called Synapse™ to remove, test, and refurbish components for the \$304.3B integrated circuits (ICs) market.

Project

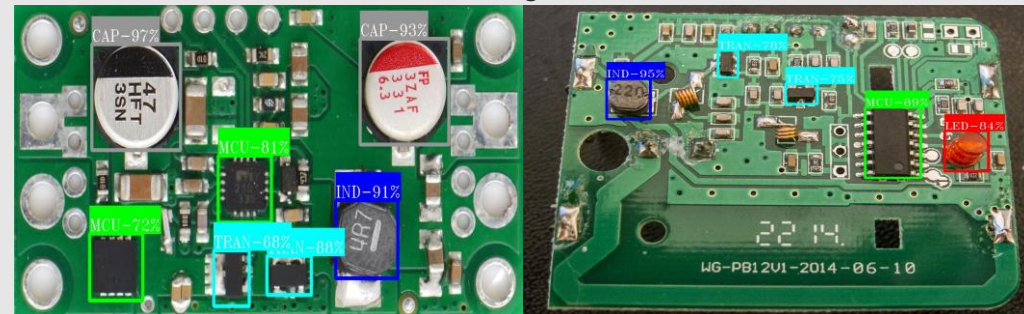


Figure 2: During the Re-X Prize, we will prove Synapse's™ capacity in Phase I, scale to a pilot plant in Phase II, and begin processing 1 ton of e-waste per week in Phase III.

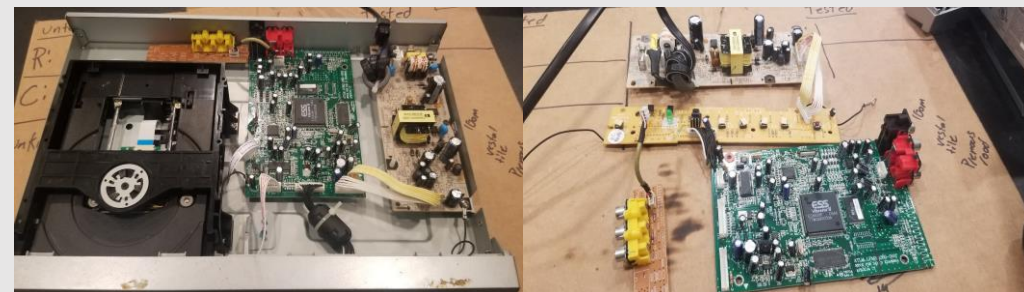


Figure 3: The Re-X Prize will serve as a catalyst, allowing us to validate our recovery, categorization, and testing abilities at low volumes to position for investment.

Team



Figure 4: Since beginning Liberated ICs in our dorm, we have sold 60 refurbished ICs to two customers, filed a provisional patent, and validated our economics.



Figure 5: We have experience as the PI for an SBIR from the EPA developing robotics for recycling processes and have helped manage over \$1.6M in funding.