Liberated ICs

Critical Material Recovery with ICs

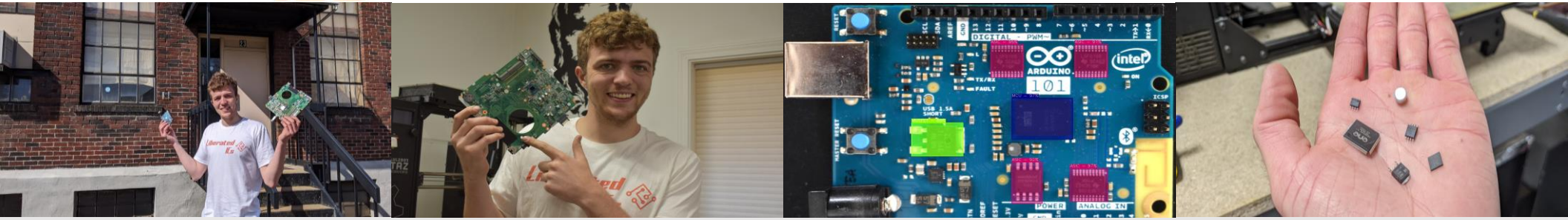

Figure 1: At Liberated ICs, we use the 6.3M tons of e-scrap produced annually in the US to recover critical materials and develop a domestic supply chain of market-ready components for local clean energy manufacturers. Using a patent-pending process called Synapse™, we remove, test, and refurbish components for the $304.3B integrated circuits (ICs) market.

Project

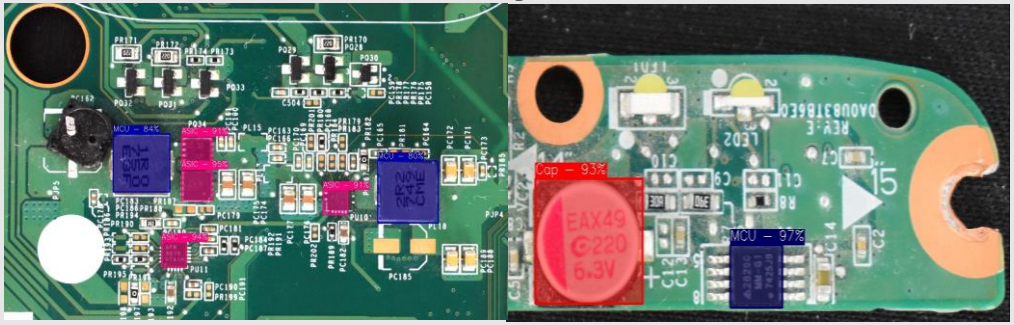

Figure 2: During E-SCRAP, we will prove Synapse's™ economics in Phase 1, secure supply contracts in Phase 2, and process 2,000 tons of e-scrap per year in Phase 3.

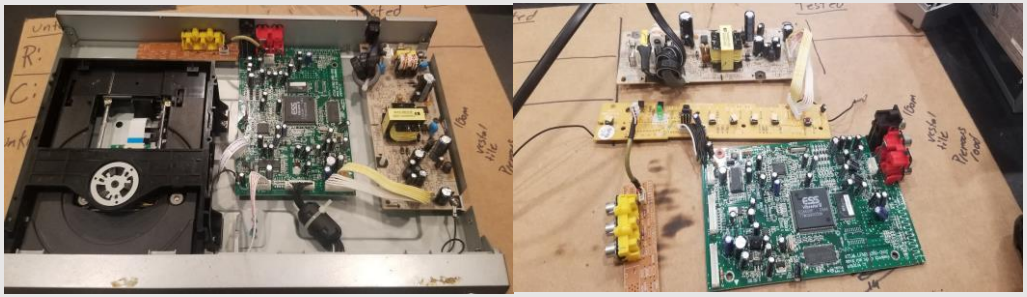

Figure 3: E-SCRAP will build on our sales, manufacturing partners, and suppliers to begin high-volume processing and expand on our technical progress in the Re-X Prize.

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 $2.1M in funding.