

February 2022





ERI at a Glance

ERI is North America's largest provider of ITAD and E-Waste recycling services. The company's fully-integrated service model provides secure destruction and Zero Landfill solutions for clients' data-containing electronic assets.



Largest pure-play ITAD and E-Waste recycling provider in North America



One-stop solution for ITAD & E-Waste



Zero Waste
Zero Emissions
Zero Landfill



Highest environmental and data security certifications



Proprietary Software Platform



8 ERI certified processing facilities serving every U.S. zip code



Proprietary Hardware Solutions



1bn+ pounds of material recycled to date

Key Downstream Partners / Strategic Investors





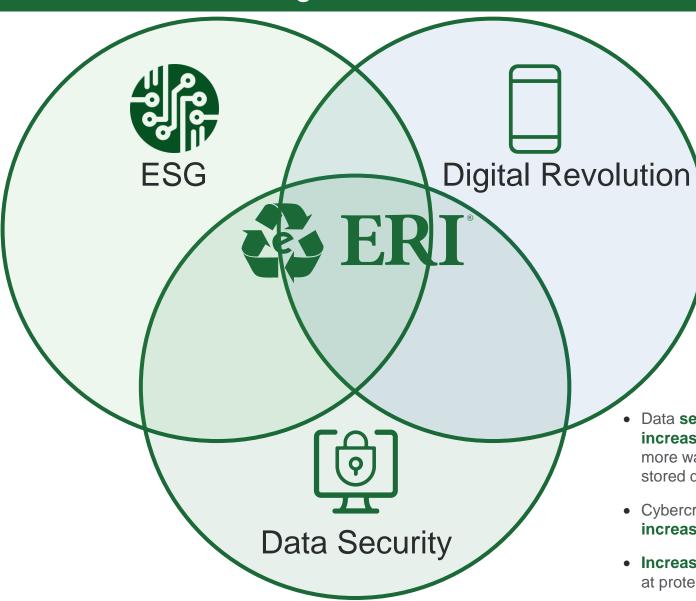






ERI Sits at the Intersection of Three Mega-Trends

- Only 17% of electronics are responsibly recycled today
- Resource scarcity drives need to reuse and recycle key raw materials
- Increasing legislation mandating proper disposal
- Growing demand for ESG solutions
- Toxic substances, such as mercury and lead, which cause health problems, are found in e-waste
- Corporate ESG reporting on the rise



- Digitization of society driving rapid growth in networked devices
- Devices store increasing quantities of data
- Growth in personally identifiable information (PII) stored on electronic devices (wearables, online banking, etc.)
- Explosion of the internet of things

- Data security breaches have increased as bad actors have more ways to infiltrate data stored digitally
- Cybercrime incidents are increasingly costly for victims
- Increasing regulations aimed at protecting data privacy

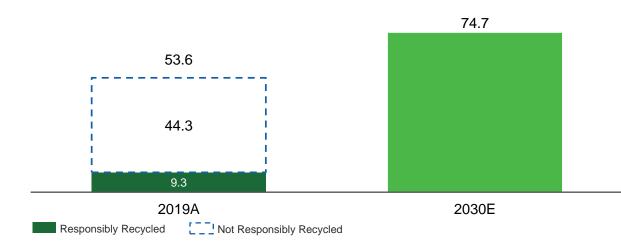


The Looming E-Waste Problem

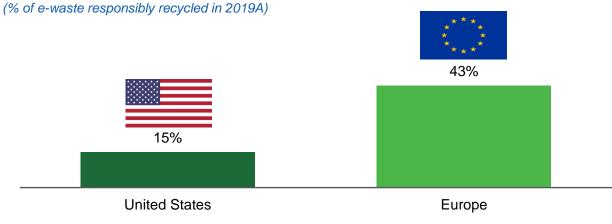
E-waste is the fastest growing solid waste stream and vast quantities of electronic waste end up in landfills today. As e-waste volumes continue to grow, responsible disposal will be critical to protect the environment and data contained on the devices.

Growing E-Waste Volumes

(Volume of e-waste, million metric tons, globally)



The United States Lag Behind Europe in E-Waste Recycling Rate



- E-Waste is the fastest growing solid waste stream
- 17% of e-waste globally is responsibly recycled
- E-waste contains valuable natural resources (copper, gold, etc.) and rare earth metals that can be substituted for virgin commodities
- E-waste contains hazardous materials (including lead and mercury) that cause environmental damage and negative health consequences when disposed of improperly
- E-waste presents a cybersecurity risk, as electronics containing valuable data can end up in the hands of cybercriminals if they are not disposed of securely

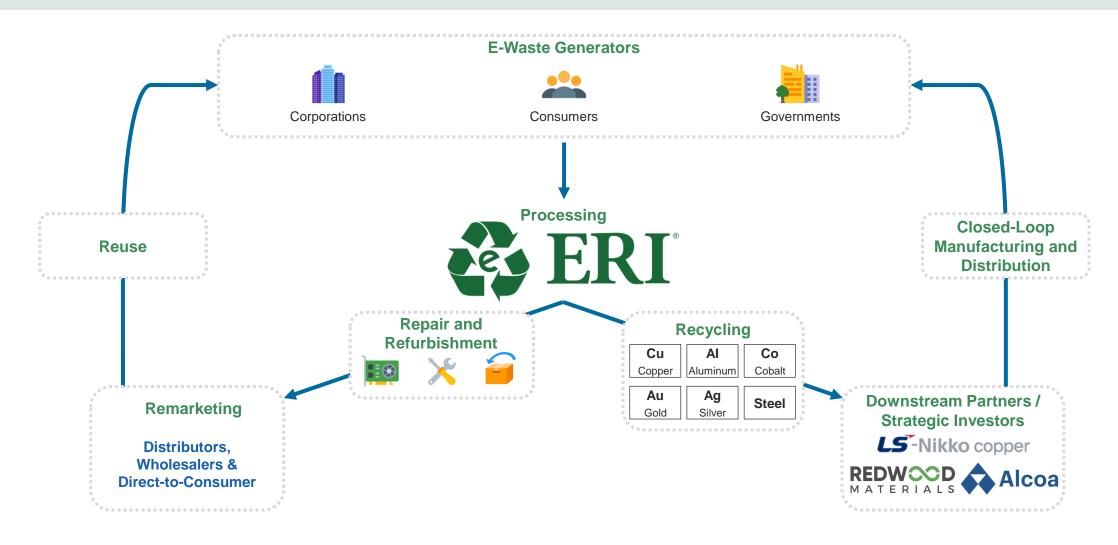
E-Waste by the Numbers (globally)

- 100,000: pounds of mercury found in un-recycled e-waste each year
- 71,000: tons of brominated flame retardants found in un-recycled e-waste each year
- **78**: countries (covering 71% of the world's population) covered by a national ewaste policy, regulation or legislation
- \$57 billion: value of raw materials in e-waste generated in 2019
- **14 Percent** of total carbon emissions attributed to the production and use of PCs, laptops, monitors, smartphones and tablets by 2040



ERI Enables the Circular Economy

ERI plays a critical role in enabling the closed loop economy. Nearly 100% of volumes are beneficially reused through recycling or remarketing.





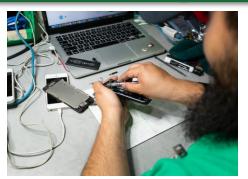
Company Overview Growth Opportunity The ERI Platform Growth Strategy Financial Overview

ERI's Comprehensive Service Offerings

Processing / Data Destruction(1)



Remarketing



Recycling



Services

- Destruction of all types of data-bearing devices
- Comprehensive turnkey compliance for state e-waste and consumer take back programs
- Asset disposition of traditional IT equipment
 and consumer electronic devices
 - Fully integrated processing allows for separation into individual commodities

Commercial Model

- Fee-for-service
- Charged to all ITAD / OEM customers
- Revenue earned on re-sale of electronic devices and parts
- Customer rebated a portion of sale proceeds

- Revenue earned from sale of commodities to smelters
- ERI typically retains 100% of sale proceeds

% of Revenue⁽²⁾

52%

22%

21%



ERI has an ESG-Focused Business Model

In 2021, ERI recycled and reused 125.59 million pounds of electronics.



125.59 Million

total pounds of electronics



3.7 Million

pounds diverted for reuse



122.47 Million

pounds responsibly recycled



761.8 Million

By properly reusing and recycling these electronics:

This is equivalent to:

76,198

pounds of CO₂ equivalent passenger car's annual emissions were prevented greenhouse gas emissions



1.2 Billion

kilowatt hours of electricity that would have

been used in producing new electronics

This CO₂ savings includes:

This is equivalent to:



108,341
U.S. households' annual

electricity usage

By responsibly reusing and recycling **125.59 million** total pounds of electronics, the equivalent of **142,992** U.S. households' annual garbage generation was diverted from disposal to beneficial reuse:



14.1 Million

pounds of Glass



50.4 Million

pounds of Metals (such as copper, steel & aluminum)



26 Million

pounds of Plastics



17.5 Million

pounds of Materials sent for precious metal extraction (such as gold, silver, lead & palladium



1.6 Million

pounds of Batteries (recovering materials such as lead, nickel, cobalt & magnesium)



3.7 Million

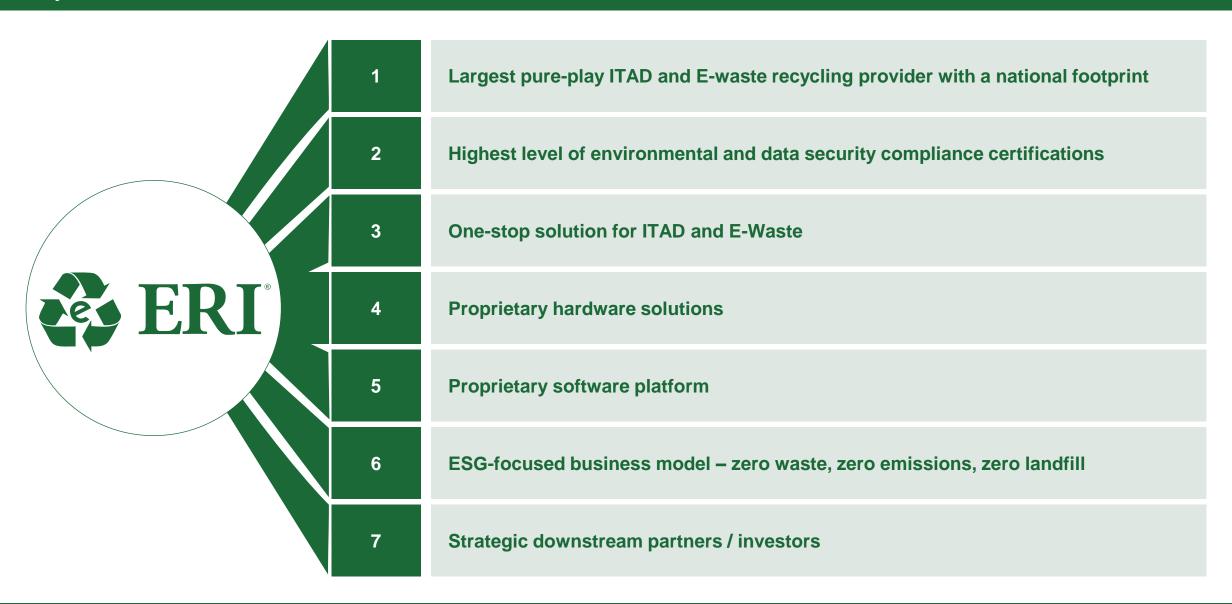
pounds of Reusable Devices (reintroduced into the economy)



pounds of Other Recyclables (such as lamps, cartridges & Packaging material)



Why ERI and its Clients Win







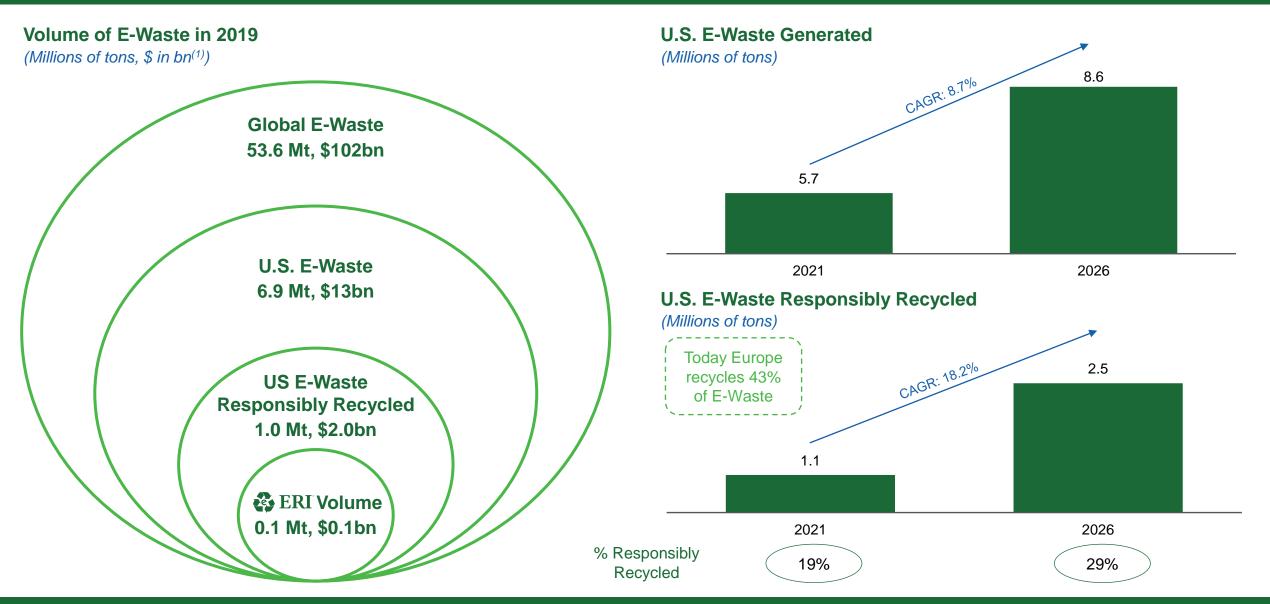
Company Overview

Growth Opportunity

The ERI Platform

Growth Strategy

Large, Rapidly Growing Market for E-Waste and ITAD Solutions

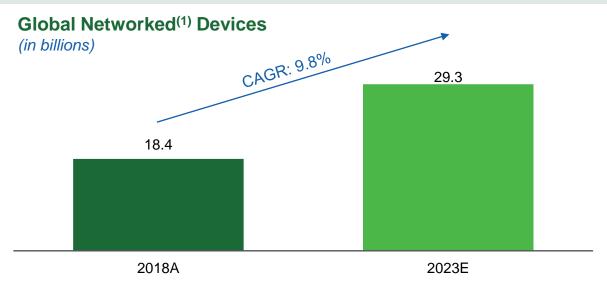




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Proliferation of Electronic Devices Containing Sensitive Personal Information

Electronic devices and data are growing at a rapid pace. As more electronic devices are used and more data is created, there is a greater need for secure ITAD and e-waste recycling services.



Growth in Data Generated and Stored

iPhone Storage Capacity Growth⁽²⁾

23%

2020 – 2025 CAGR for global data creation and replication

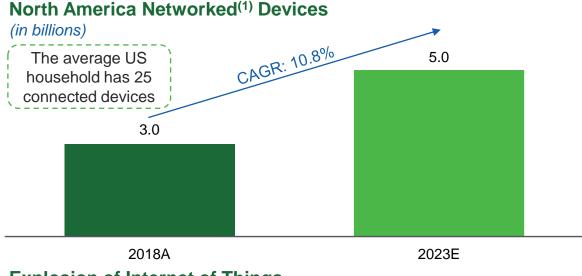


1st iPhone: 16 GB

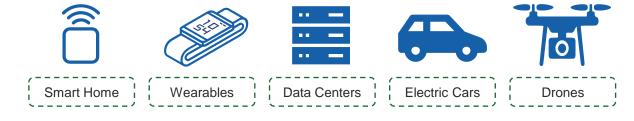


iPhone 13 Pro: 1 TB

6,300% increase



Explosion of Internet of Things



The percentage of US broadband households owning three or more smart home devices has increased from 14% in 2018 to 23% by the end of 2020



- 1. Networked devices include all devices that connect to cellular or Wi-Fi networks.
- 2. Reflects maximum storage capacity of the first iPhone from 2007 and the iPhone 13 Pro today.



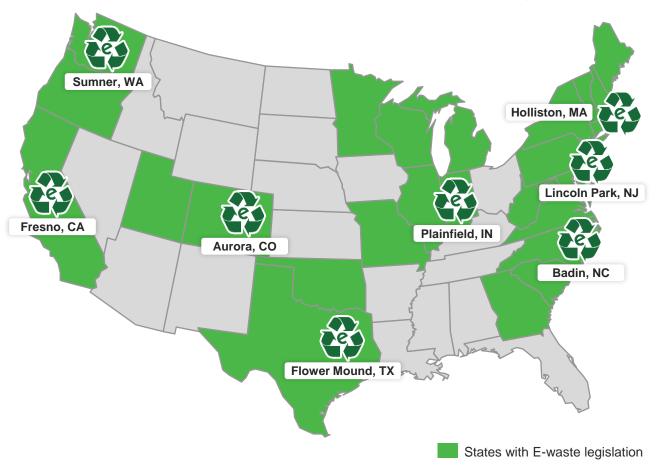
E-Waste is Subject to a Stringent Regulatory Framework

ERI operates at the industry's highest standards, ensuring its clients are in compliance with all applicable federal and state e-waste regulations.

ERI Helps Clients Comply with Stringent E-Waste Regulations

- Resource Conservation and Recovery Act (RCRA): Federal law governing the management of hazardous waste
- Comprehensive Environmental Response, Compensation and Liability (CERCLA or Superfund): Federal law that puts liability on persons responsible for release of hazardous waste, including electronic manufacturers
- State Universal Waste Regulations: 11 states designate electronic devices as Universal Waste, adding specific storage and management standards
- State Landfill / Disposal Bans: 19 states and the District of Columbia have a ban on the disposal of electronic material
- Extended Producer Responsibility (EPR) Laws: 24 US states, the District of Columbia and the province of Ontario require manufacturers to take responsibility for the end-of-life management of their products
- Advanced Recovery Fees (ARF): California and eight Canadian provinces have a fee on the sale of certain electronic devices to cover the cost of recycling

~75% of the U.S. Population is Covered by E-Waste Legislation





Data Security is Highly Regulated

State and local governments are passing increasingly stringent data privacy laws, driving demand for secure ITAD and e-waste recycling solutions.

- All 50 states have data security regulations in addition to federal laws
- Since the implementation of GDPR in Europe (May 2018), six US states have passed new legislation and at least 17 states have proposed new legislation or enacted study bills
- In addition, at least six US federal laws are currently proposed





New Legislation

California – CCPA / CPRA

Colorado - SB190

Maine – Act to Protect Privacy of Online Consumer Information

Nevada - SB220

New York - SHIELD Act

Virginia – CDPA



Proposed Legislation/Task Force Establishment

Alabama – Consumer Privacy Act (DNP)

Alaska – Consumer Data Privacy Act (DNP)

Arizona - HB2865 (DNP)

Connecticut – SB893 (DNP)

Florida – Privacy Protection Act (DNP)

Illinois – Consumer Privacy Act (DNP)

Maryland – Online Consumer Protection Act (DNP)

Minnesota – HF36 (DNP)

Mississippi – Consumer Privacy Act (DNP)

New York – Privacy Act / Digital Fairness Act

North Carolina – Consumer Privacy Act

Ohio – Personal Privacy

Pennsylvania – HB1126

Texas – HB3741 (DNP)

Utah – Consumer Privacy Act (DNP)

Washington – Peoples Privacy Act (DNP)

West Virginia – HF3159 (DNP)

US Federal:

- i. SAFE Data Act (Wicker)
- i. ITPDCA (DelBene)
- iii. Data Protection Act (Gillenbrand)
- v. 4th Amendment is not for Sale (Wyden)
- v. National Biometric Privacy Act (Merkley)
- vi. Public Health Emergency Privacy Act (Various)

DNP: indicates bill died or postponed



Improper E-Waste Disposal Can Be Costly

Significant fines, particularly in the state of California, have been levied against major companies for improperly disposing of e-waste in recent years.



\$27.8mm fine

March 2018

- Fine related to the unlawful disposal of hazardous waste, including electronic waste, and improper disposal of customer records containing data
- For several years more than 300 Home
 Depot stores and distribution centers
 throughout California were routinely sending
 hazardous waste to local landfills not
 permitted to accept it
- 45 trash compactors belonging to Home Depot stores were inspected, and all 45 contained hazardous waste

O TARGET®

\$7.4mm fine

December 2018

- Fine related to the unlawful disposal of retail hazardous waste, including electronics and batteries, and confidential medical data
- Throughout 2012 and 2014 Target unlawfully disposed of 2,038 items of hazardous waste into local landfills
- This is the second time Target has been fined for improper hazardous waste disposal, as it was fined \$22.5mm in February 2011

Walgreens

Financial Overview

\$3.5mm fine

December 2020

- Fine related to the unlawful disposal of hazardous waste, including electronic devices and batteries, at Walgreens' California facilities
- Between 2013 and 2020 the company disposed of hazardous waste into trash bins which were going to municipal landfills not authorized to accept hazardous waste
- This is the second time Walgreens has been fined for mismanaged hazardous waste, as it was fined \$16.6mm in June 2012

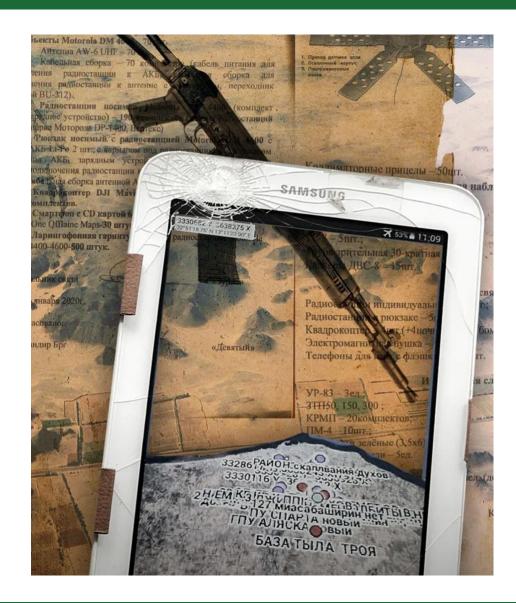


The Lost Tablet and the Secret Documents

B B C August 11, 2021

The BBC has gained exclusive access to an electronic tablet left behind on a battlefield in Libya by a Wagner fighter, giving an unprecedented insight into how these operatives work.

- "... a Samsung tablet had been retrieved from a battlefield in western Libya." Russian mercenaries had been fighting there in support of Libyan renegade general Khalifa Haftar, against the UN-backed Government of National Accord (GNA). It's believed the tablet had been left behind when the fighters retreated in the spring of 2020.
- Remarkably, the information on it was easy to access. I discovered dozens
 of files ranging from manuals for anti-personnel mines and improvised
 explosive devices (IEDs), to reconnaissance drone footage... But it was a
 maps app that stood out layers of military maps of the front line, all
 marked in Russian.
- The Wagner group is one of the most secretive organizations in Russia.
 Officially, it doesn't exist serving as a mercenary is against Russian and international law. But up to 10,000 operatives are believed to have taken at least one contract with Wagner over the past seven years."





Data Security is Highly Regulated

Growth Opportunity

Federal, state and local governments are passing increasingly stringent data privacy laws, driving demand for ITAD and e-waste recycling solutions.

Existing Legislation

- **HIPAA & HITECH** Healthcare and Business Associates
- **FACTA & FCRA** Businesses that use credit checks or background checks
- **FISMA** Federal Agencies, State Agencies, government contractors, and service providers
- **FTC ACT** Businesses with a data privacy policy
- **GLBA** Banking, Financial Services, Insurance, and many other organizations
- **PCI DSS** Card Processors and Service Providers
- **Critical Infrastructure Protection** Power Generation, Oil & Gas, **Telecommunications**

COPPA Sites that collect data on children

- **FERPA** Federally funded schools (under an applicable program of the U.S. Department of Education)
- **GDPR** Companies that handle personal information of an individual in the EU
- **NYS DFS Cybersecurity Regulations** Financial companies doing business in New York
- **Additional State Laws** State specific data security legislation in all 50 states

New State Legislation

Maine

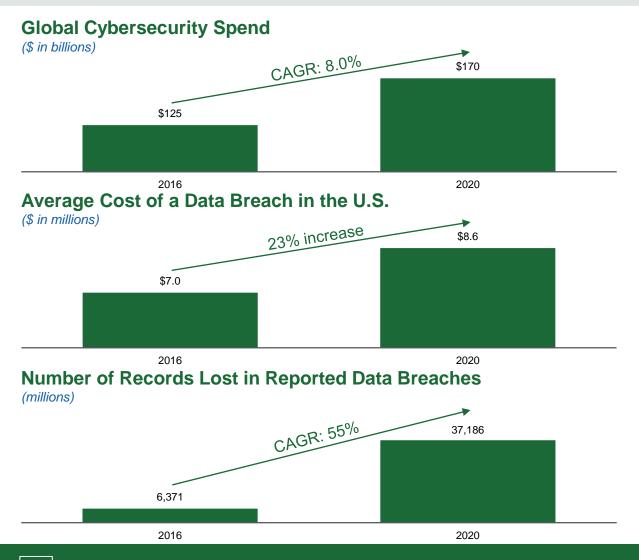
- Nevada SB220 allows consumers to opt out of the sale of their personal information by website operators
- California California Privacy Act provides consumers wide ranges of rights on knowledge, access, and management of their data
- **New York** The SHIELD Act expanded NY's breach notification requirements and mandates reasonable safeguards to all business entities
 - Act to Protect the Privacy of Online Consumer Information requires consumers opt-in to the use or sale of their data from internet service providers



Growing Cost of Cybersecurity Incidents

Cybersecurity incidents have become more frequent and increasingly severe.

Growth Opportunity



Select Cybersecurity Incidents Linked to Hardware

HealthReach Community Health Centers

> 100,000 patient compromised **April 2021**

- Patient data breach resulting from the improper disposal of hard drives by an employee at a third-party data storage f
- Compromised patient data includes names, addresses, birth dates, SSNs, medical insurance information, lab results and treatment records

Morgan Stanley

\$60mm OCC fine October 2020

- Morgan Stanley failed to exercise proper oversight of the 2016 decommissioning of two business data centers, where equipment was not fully wiped of data, and similar offenses in 2019
- Morgan Stanley is currently facing two class action lawsuits claiming the data left on decommissioned equipment – including SSNs - was everything needed to steal customers' identities



\$3mm HIPAA fine November 2019

- URMC suffered data breaches in 2013 & 2017 through the losses of an unencrypted flash drive and laptop containing protected health information
- URMC failed to conduct an enterprise-wide risk analysis. implement security measures sufficient to reduce risks and vulnerabilities and employ a mechanism to encrypt electronic health information



compromised May 2018

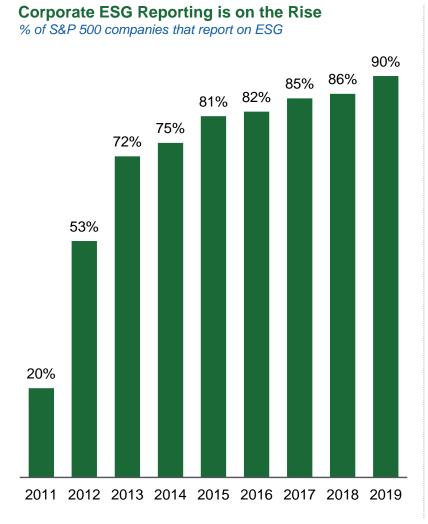
- Employee data was compromised after a former employee stole an external hard drive before departing the company
- Documents containing certain personal information for Coca-Cola employees were found on the hard drive

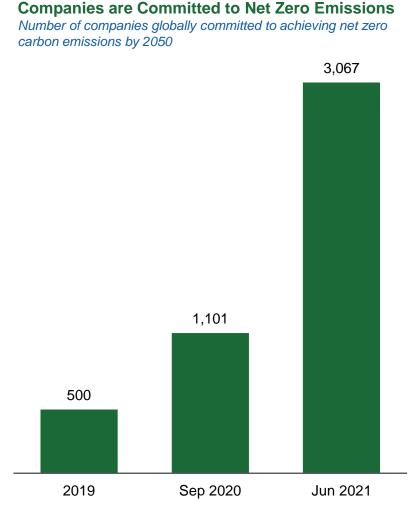


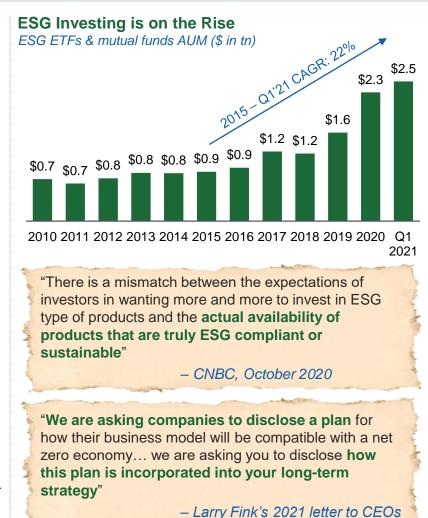
Increasing Focus on ESG Across Corporate America

Growth Opportunity

Both companies and investors are committed to ESG.







ERI is the Only One-Stop Solution for E-waste Recycling AND ITAD Services

Growth Opportunity

	ERI°	ITAD / E-Waste Competitors	Waste Companies / Scrap Dealers
National footprint	√ √	*	√
Certifications	√ √	√	*
Remarketing	√√	√	*
Recycling	√ √	*	√
Accepts all device types	√ √	*	√
E-waste primary business	√√	√	*
Rigorous security protocols	√ √	✓	*
Guaranteed destruction	√ √	√	*
Zero Waste Zero Landfill Zero Emissions	✓✓	*	×
Zero export	$\checkmark\checkmark$	*	*

ITAD players lack recycling capabilities and a national footprint, and won't accept all device types

Waste management firms aren't focused on e-waste, lack remarketing capabilities, certifications, and security protocols

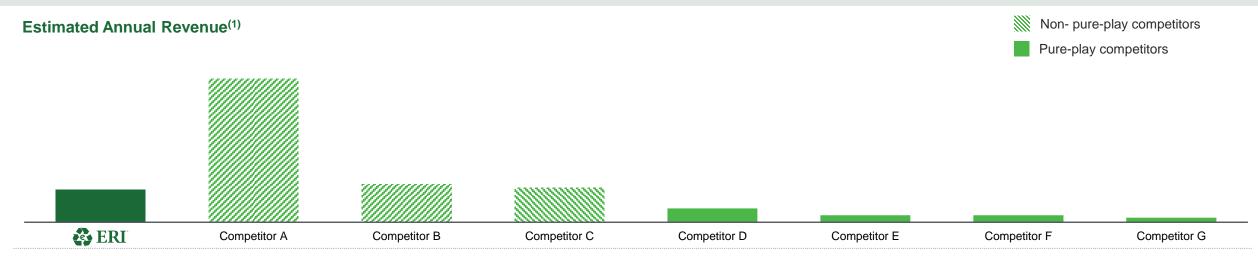
No other provider of ITAD and E-Waste recycling services can match ERI's scale and breadth of offering



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ERI vs ITAD & E-Waste Competitors

ERI is the largest pure-play ITAD & E-Waste recycling services provider in North America, with unmatched scale and breadth of offering. No company has more certifications than ERI.



ERI's Certifications vs ITAD & E-Waste Competitors

	Certifications Certification Certi				
	NAID	R2	E-Stewards	ISO 14001	ISO 9001
ERI	✓	√	✓	\checkmark	✓
Cascade Asset Management	√	*	√	√	\checkmark
Dynamic Lifecycle Innovations	√	√	✓	√	√
Regency Technologies	×	√	×	√	×
Sage Sustainable Electronics	×	*	√	√	√
Sims Lifecycle Services	×	√	×	√	\checkmark
Sunnking	×	√	*	*	*
Universal Recycling Technologies	√	*	√	√	√
WiseTek Solutions	×	√	✓	√	\checkmark





ERI is Uniquely Positioned to Win

Why ERI Wins

Growth Opportunity

Why it Matters to Customers

Largest pure-play ITAD and E-Waste recycling provider with a national footprint

Ability to serve customers in every zip code in the U.S. with **ERI** owned/operated facilities

Highest level of environmental and data security compliance certifications

Assurance that customer data-bearing devices will be handled in the most secure manner

(3)One-stop solution for ITAD and E-Waste

Broadest service offering in the industry

Proprietary hardware solutions

Ability to provide a streamlined solution for all of its customers' ITAD and e-waste recycling needs

(5) Proprietary software platform

Complete transparency and certification of destruction

ESG-focused business model – zero waste. zero emissions, zero landfill

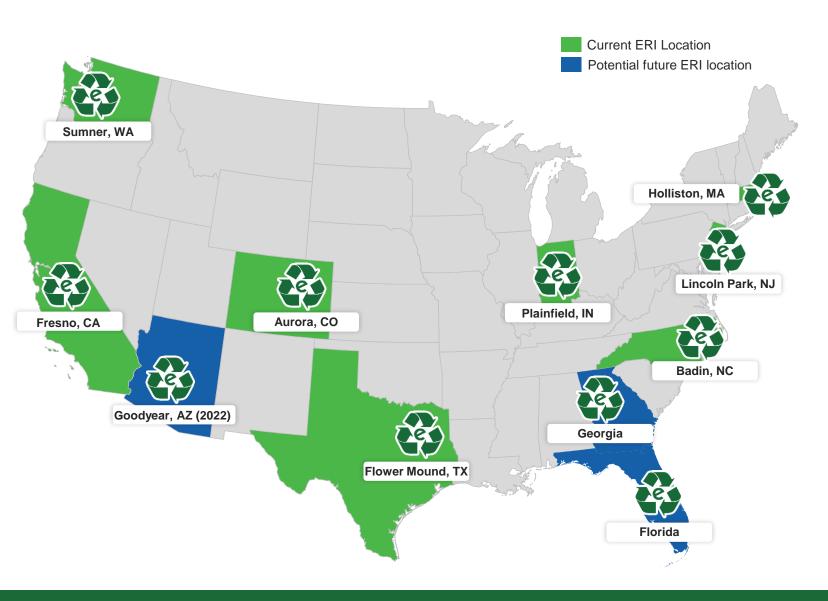
Growing need to report on ESG initiatives

Strategic downstream partners / investors

Greater transparency + circular economy



1 Largest Pure-Play ITAD and E-Waste Recycling Provider with a National Footprint



- ERI's facility footprint is strategically located, enabling the company to serve every zip code in the U.S.
- All locations provide processing & data destruction, remarketing and recycling
- ERI has the ability to double volume with current processing capacity

Location	Size (sqft 000's)	
Plainfield, IN	443	
Fresno, CA	329	
Badin, NC	150	
Holliston, MA	125	
Flower Mound, TX	97	
Aurora, CO	81	
Sumner, WA	57	
Lincoln Park, NJ	54	



2 Highest Level of Environmental and Data Security Certifications in the Industry

ERI's certifications are unmatched and differentiate the company from smaller, less sophisticated competitors.

ERI is the only company in the world with e-Stewards, R2, and NAID AAA Certifications at 8 locations













Microsoft REGISTERED

Refurbisher



3 One-stop Solution for ITAD and E-Waste

ERI is a one-stop-shop for all of its customers' ITAD and E-Waste recycling needs. No competitor is able to handle the variety of electronics or offer the same breadth of services as ERI.

Core ITAD and E-Waste Recycling Services



Data Destruction / Processing



Electronics and IT Asset Disposition

Remarketing



Electronics Recycling



Electronics Legislative Compliance

- Extended Producer Responsibility (EPR)
- Advanced Recycling Fee (ARF)



Data Center Services



Customized Reporting & System Integration

Enhanced Services



Customized Logistics Programs



Employee Programs & Special Events



Technology Recycling Kits

Home and Office Employee Mailback



Channel Partner Program



PV / Solar Panel Management



Sustainable Materials Management (SMM) Electronics Challenge



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4 Innovative Processing Technology, Techniques and Services

ERI's proprietary shredding process enables the company to process material more efficiently, use less labor and produce commodities with higher resale value. Its tracking and reporting processes provide complete transparency to the customer.



Tracking and Reporting

- All electronic devices are assigned a serial number, enabling tracking from entry to final disposition
- Proprietary Optech software provides access to information at any point
- Ensures complete transparency and verifies all regulatory requirements have been met
- ESG impact reporting

Proprietary Shredders



- · World's largest and most sophisticated shredders
- State-of-the-art and custom-built by ERI
- Capable of handling 30,000 pounds of e-waste per hour

Watch Shredding Overview (YouTube)

Flat Panel Shredding



- Electronic Recyclers Next Innovative Efficiency (ERNIE) is an LED and LCD flat panel dismantling system
- Shreds flat panels that contain mercury and other toxic materials in an airtight chamber
- · Commodities then go to SAM for final sorting

Optical Sorting



- Super Automated Machine (SAM) is a groundbreaking, A.I.-driven system embedded in ERI's scrap metal sorting line
- Uses a vision system to separate shredded material into clean streams
- Sorting system can achieve 70 picks per minute

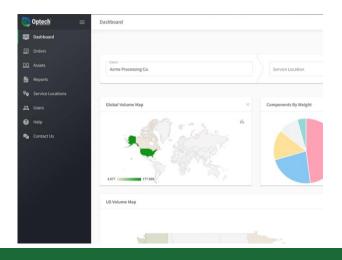


5 Proprietary Software Platform

ERI's proprietary Optech software provides customizable, real-time reporting that gives customers an on-demand view of the status of their assets. No competitor can provide the level of detail, integration and personalization that ERI can through Optech.

Optech Overview

- ERI's robust, online IT and electronic asset disposition portal
- Provides real-time transparency into a client's account activity and shares asset details from receipt through final disposition
- Offers Environmental Impact Reports to support ESG initiatives
- Highly customizable portal can be configured to meet specific customer needs
- Various APIs enable ERI to integrate Optech with all customer platforms
- Designed, maintained and updated by in-house software development team





Optech™ features state-of-the-art platform and framework that has been built from scratch to ensure the best possible performance, flexibility and ease-of-use

Features	Optech
API & CMDB Platform Integrations	√
View All Account Activity	√
Manage Channel Partners	√
Manage User Accounts	√
Customizable Dashboard Per User	√
Order Multiple Service Levels	√
Real-time Reporting	√



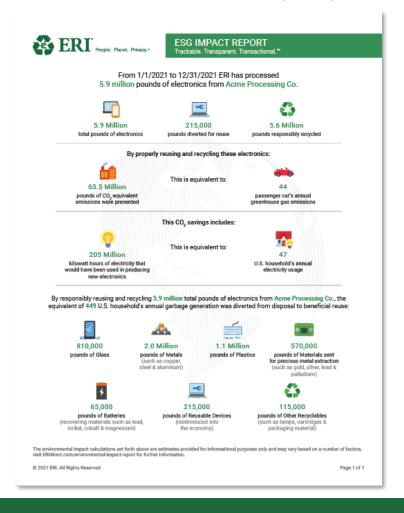
Watch Optech Overview (YouTube)

6 ESG-Focused Business Model – Zero Waste, Zero Emissions, Zero Landfill

Optech's customizable reports make it easy for customers to closely track their environmental impact and generate compelling data to support ESG initiatives and guide ESG decision-making.

Environmental Impact Report

Estimates emissions reductions and other environmental savings through use of ERI's services



ERI was Highlighted in Raytheon's Corporate Responsibility Report

Raytheon moved from 13 e-waste processing suppliers to a single national supplier – ERI

Reasons why Raytheon Partnered with ERI

- ✓ One-stop national solution
- Data security
- ✓ Environmental compliance
- ✓ Financial return / IT asset disposition
- Maximum capacity & superior technology





7 Strategic Partnerships Provide Competitive Advantages and Growth Opportunities

ERI's strategic downstream partners / investors create new business opportunities and improve profitability of commodity recycling.

	L5-Nikko copper	REDWOOD MATERIALS	Alcoa
Investor	√	✓	√
Direct Relationship	√	√	✓
Length of Relationship	12+ years	1 year	10+ years
Key Materials	CopperGoldSilverPalladium	Lithium-ion batteriesCobaltNickel	• Aluminum
Strategic Benefits	 Bypass brokers Collaborate on optimizing material (assays) Higher realized pricing Reduced logistical costs Transparency and tracking 	 Expansion into battery and solar panel recycling Referral of Redwood customers to ERI Transparency and tracking Higher realized pricing Closed-loop manufacturing 	 Bypass brokers Collaborate on optimizing material (assays) Higher realized pricing Transparency and tracking





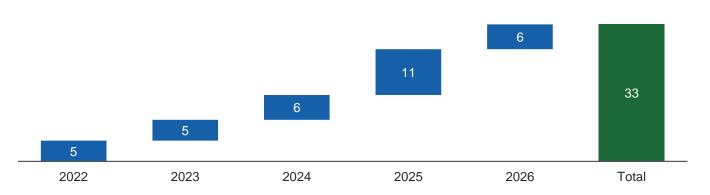
(B) Sales Team Hiring Strategy

Strategically expanding its sales force will enable ERI to accelerate its new customer growth.

Growth Opportunity

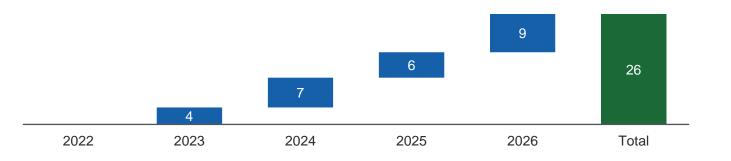






Battery and Solar Panel Recycling Sales Team Hiring

(Number of Teams Hired)



Sales Team Build-out

- ERI will expand its current sales force to capitalize on key growing markets:
 - Electronics and IT Asset Disposition
 - Battery Recycling
 - Solar Panel Recycling
- ERI's sales expansion will utilize a team approach, with four different roles per team:
 - External Business Development (Hunter)
 - Internal Business Development (Farmer)
 - Client Relationship Manager/Support
 - Subject Matter Expert/Specialized Technician
- Sales teams will be organized by Industry Segmentation and Geographic Region
- Expected number of sales teams onboarded by 2026:
 - Electronics and IT Asset Disposition: 33 teams
 - Battery Recycling / Solar Panel Recycling: 26 teams
- Hiring will commence in mid-2022 and will continue through 2026
- Estimated average labor and travel costs per each sales team: ~\$1mm



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DExpansion into Solar Panel Recycling

Solar panel recycling provides a substantial opportunity for long-term growth as the market further develops in the coming years. ERI is well positioned to capture disproportionate market share with existing capabilities and expertise once the market matures.

- Current options for disposing of solar panels include sending it to a landfill, bringing it to a waste processor, or finding a manufacturer that will accept used panels
- As solar panel waste volumes increase and regulation evolves, the market opportunity is expected to rapidly expand
- ERI expects to enter the solar panel recycling market in 2023 and grow segment revenue from \$10 million in 2023 to \$225 million in 2026

