

# FROM WASTE TO WORTH: INTELLIGENT COPPER RECLAMATION FOR NET-ZERO GOALS

## THE CHALLENGE

Aging copper networks bring a unique mix of challenges that impact both operational performance and long-term strategy:

### High Maintenance and Energy Costs

Legacy copper demands more upkeep and uses up to 6x more energy than fiber.

### Underutilized Infrastructure

Abandoned cables and inactive circuits still occupy physical and digital space.

### Performance Limitations

Legacy systems can't meet modern bandwidth demands, slowing service and stalling upgrades.

### Space and Capacity Constraints

Aging DSL and copper hardware blocks rack and floor space, limiting capacity for IP or fiber expansion.

### Environmental and Compliance Pressure

Non-compliant and physically damaged assets raise regulatory and sustainability concerns.

### External Triggers

Updated roads, construction, and legal mandates often necessitate copper removal.

### Tech Obsolescence

As FTTx accelerates, copper-based services become harder to support and even harder to justify.

## WHAT WE DO

We bridge the gap between legacy and future-ready infrastructure with our CyCuRec solution. As a strategic managed network services partner, we guide your complete copper reclamation journey—from identifying unused circuits to efficient extraction. Our approach combines automation, sustainability, and deep engineering expertise to unlock cost savings, deliver measurable ROI, and turn obsolete assets into high-yield opportunities. Here is how we do it:

### AI-Led Discovery & Assessment

Identifies high-ROI copper for reclamation through data analytics, field validation, and circuit tracing.

### Semi-Automated Consolidation of Copper Network

Uses RPA and AI to reduce manual effort in analysing and repurposing copper pairs.

### Regulatory-Ready Design & Permits

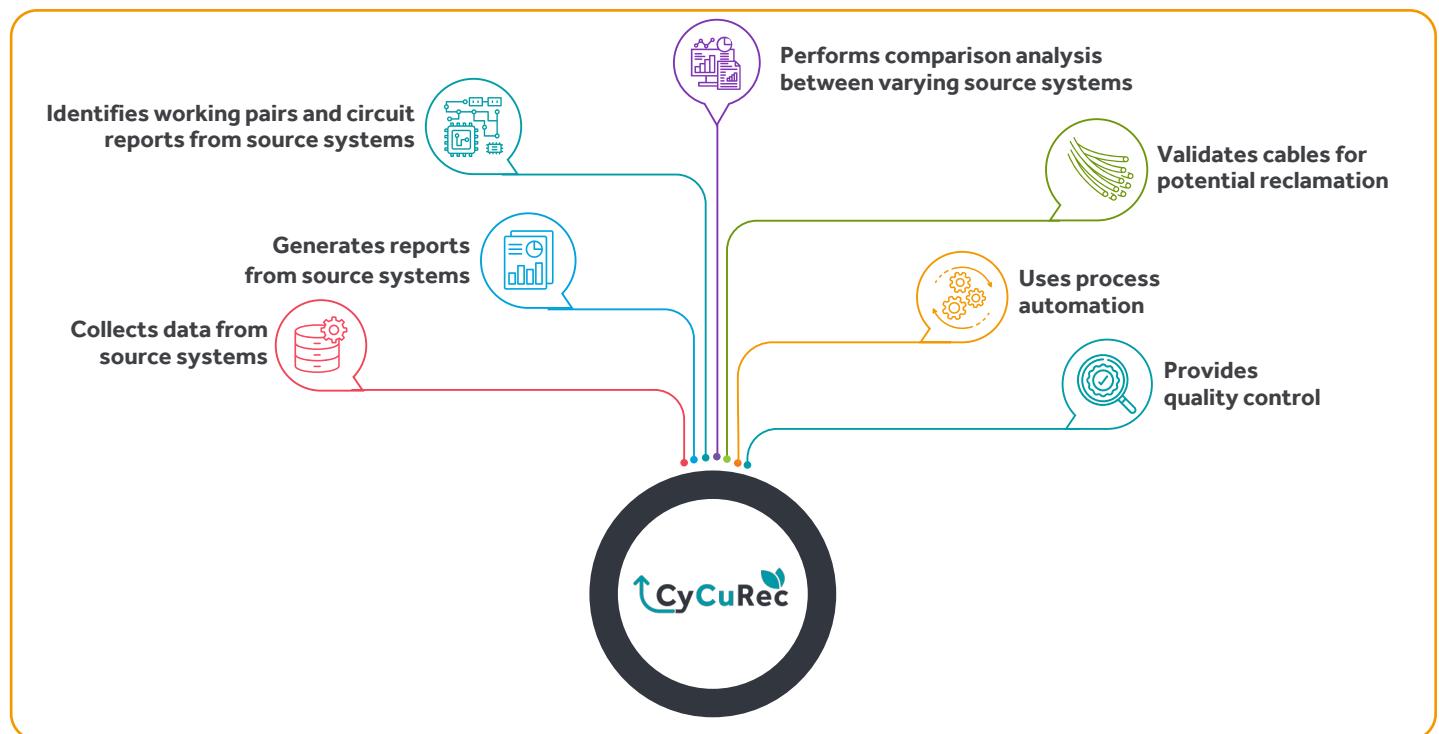
Delivers fully compliant designs, permits, and TCPs to support safe, swift extraction.

### Real-Time Dashboards & ROI Tools

Track, validate, and optimize progress with live dashboards and our Copper Salvage Calculator.

### Execution support and as-built updates

Guide field extractions and align post-removal records to maintain data integrity.



## THE RESULTS

Up to  
**45% ROI**  
on Reclaimed Copper Projects

Up to  
**\$1m**  
Savings for Every 350,000 Feet of Cable Removed

**Reduced Energy Use**  
And Environmental Footprint

Up to  
**29%**  
Net Revenue Savings

**Pathways Cleared**  
For Fiber and Modern Services

## INDUSTRY IMPACT

Real-World Impact: Leading American Telco Turned Copper into Capital

**01**

60 Mn. Ft \* of copper reclaimed across multiple U.S. states

**02**

29% net revenue savings and 45% ROI through strategic research, design, and field execution

**03**

Enabled removal of outdated cables and opened the door for fiber expansion

**Ready to Reclaim, Refresh, and Reimagine?** Let's turn legacy copper into lasting value.

Talk to our team and kick off your copper reclamation transformation today: [www.cyient.com/communication](http://www.cyient.com/communication)

Cyient (Estd: 1991, NSE: CYIENT) delivers intelligent engineering solutions across products, plants, and networks for over 300 global customers, including 30% of the top 100 global innovators. As a company, Cyient is committed to designing a culturally inclusive, socially responsible, and environmentally sustainable tomorrow together with our stakeholders.

North America Headquarters  
USA | T: +1 860 528 5430

Europe, Middle East, and Africa Headquarters  
UK | T: +44 118 3043720

Asia Pacific Headquarters  
Australia | T: +61 4 7026 3817

Global Headquarters  
Hyderabad | T: +91 40 6764 1000