CYIENT | Nothing Less



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-augmented discovery and 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 and permits

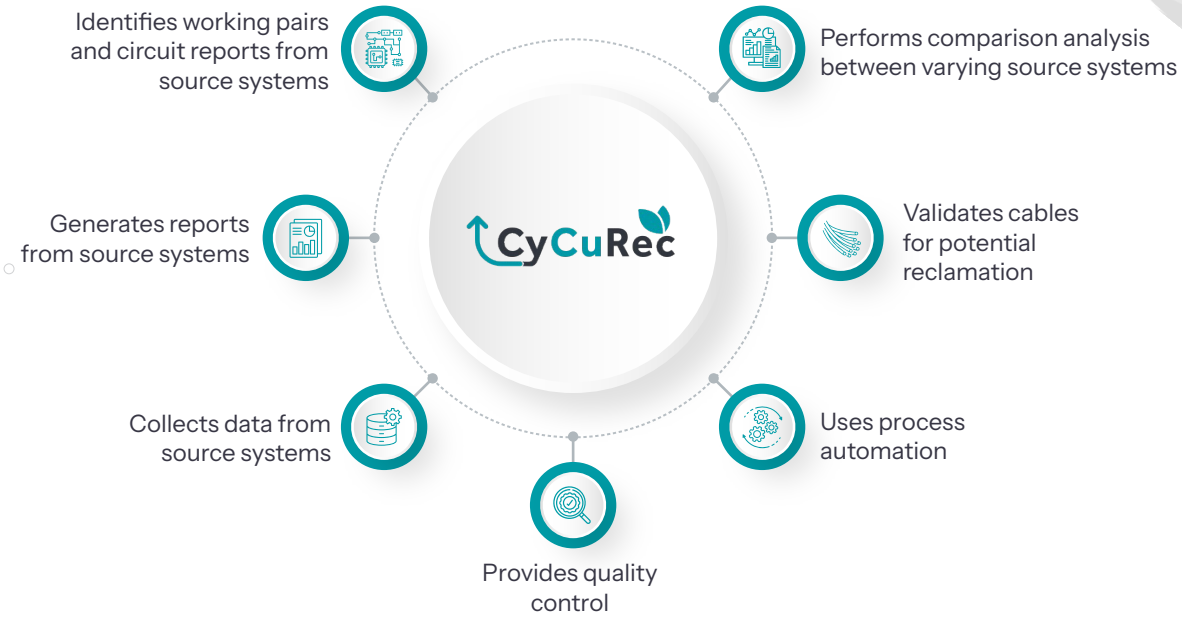
Delivers fully compliant designs, permits, and TCPs to support safe, swift extraction.

Real-time dashboards and 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 bottom line

Monetizing inactive copper infrastructure at scale shifts legacy assets from sunk cost to recoverable value—fueling fiber readiness, reducing maintenance overheads, and accelerating network modernization.

The results

290M+ Ft
Copper network assessed

170M+ Ft
Copper cleared for reclamation

$780M
Estimated reclamation value

Business impact

Validated copper recovery opportunities	Accelerated engineering and removal planning	Maximized asset recovery from retired infrastructure

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!

Cyient is a global lifecycle engineering services company powering mission-critical industries from design to aftermarket across products, plants, and networks. With 300+ customers and 15,000+ associates across 30+ countries, we combine human expertise, deep domain knowledge, and AI to deliver intelligent engineering for every lifecycle across Aerospace and Rail, Automotive and Mobility, Connectivity, Energy, Healthcare, Mining, Utilities, and beyond.

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