

**ELECTRO**  **WIRE™**

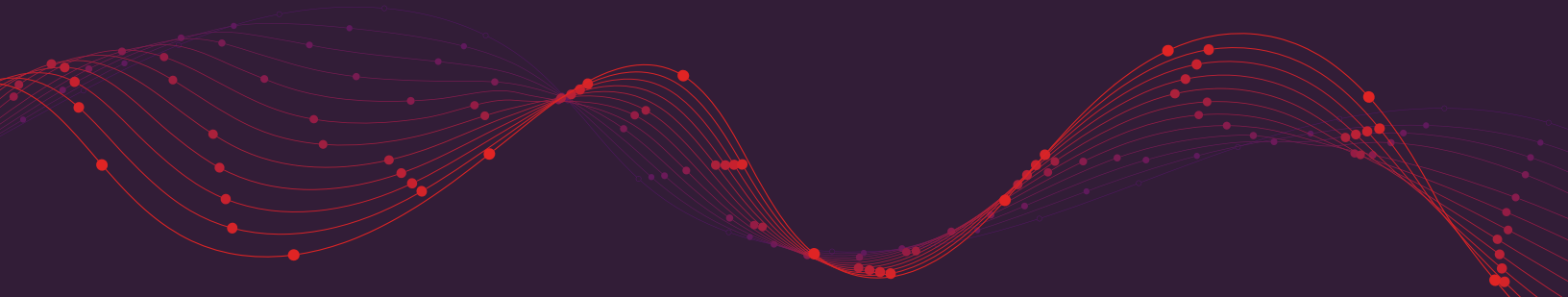
TELECOM SOLUTIONS

A GCG COMPANY



RECYCLABLE MATERIALS & WASTE REDUCTION

**Build smarter,  
cleaner networks**



As telecom networking infrastructure rapidly expands to support national connectivity goals, the environmental impact of deployment practices faces increasing scrutiny. The telecom industry must reduce its ecological footprint — from packaging waste to excess cabling — without sacrificing network performance or cost-efficiency.

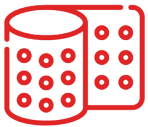
To stay competitive and sustainable, providers must rethink how materials are sourced, deployed and disposed of across every stage of network development.



# Uncovering the hidden waste in network deployment

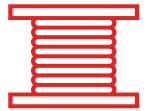
Every fiber optic rollout, 5G small cell deployment or network upgrade generates substantial waste, much of which goes unnoticed. These inefficiencies, though individually small, compound significantly across multi-phase or national-scale projects.

## Common sources of waste



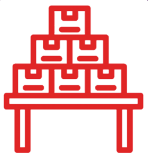
### Single-use packaging

Cables, connectors and electronic components often arrive wrapped in non-recyclable plastics or foam



### Disposable reels

Wooden or plastic spools discarded after a single use



### Excess inventory

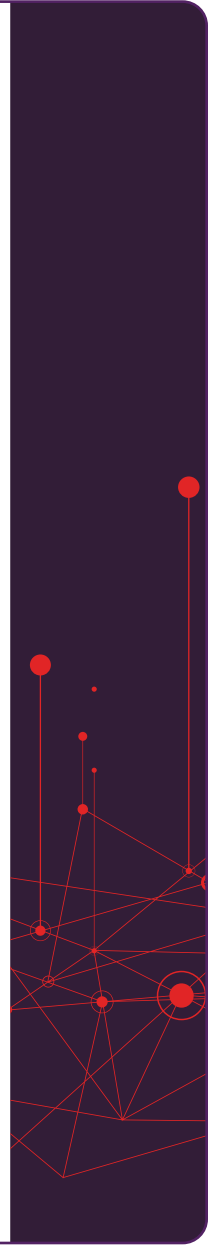
Over-ordering of conduit, cable and hardware due to inaccurate estimates



### Packaging byproducts

Pallets, shrink wrap and foam inserts rarely repurposed or recycled onsite

**This accumulation burdens landfills, increases disposal costs, impacts community relations and poses environmental compliance risks.**





## Driving change through sustainable sourcing

Many manufacturers and distributors are shifting toward sustainable packaging and sourcing strategies. These innovations reduce waste while streamlining logistics and lowering material costs.

### Emerging eco-friendly solutions:

#### Recyclable and biodegradable packaging:

Materials that break down naturally or re-enter recycling streams

#### Reusable reels and spools:

Durable cable reels for multiple uses or collapsible models that reduce return shipping volume

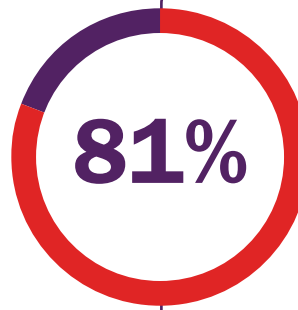
#### Bulk and modular packaging:

Consolidated kitting minimizes individual wrappers, boxes and cartons

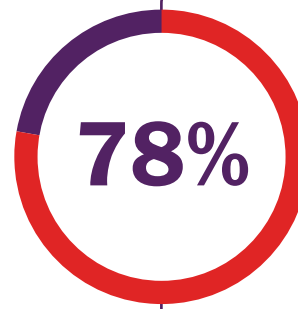
#### Take-back programs:

Vendor collection and recycling services for packaging waste and decommissioned components

Contractors and network integrators can influence these changes by prioritizing suppliers committed to sustainability and specifying eco-conscious materials in procurement.



of consumers feel strongly that companies should help improve the environment.



of consumers prefer brands with environmentally friendly practices.

## Smart field practices that minimize waste

Sustainability efforts shouldn't end at the warehouse. On-site practices play a crucial role in reducing material waste and improving project efficiency.

### Best practices in the field:

**Precise Bill of Materials (BOM) planning:** Accurate forecasting prevents over-ordering and unnecessary surplus

**Pre-terminated and pre-measured assemblies:** Custom-length cabling reduces on-site cutting and leftover scrap

**On-site recycling stations:** Designated bins for cardboard, metals, plastics and cable waste promote responsible disposal

**Digital documentation:** Reducing paper use and digitizing site plans, checklists and records improves accuracy and eliminates clutter

These approaches support environmental goals while enhancing productivity, reducing jobsite cleanup and streamlining audits.





## **Sustainability as competitive advantage**

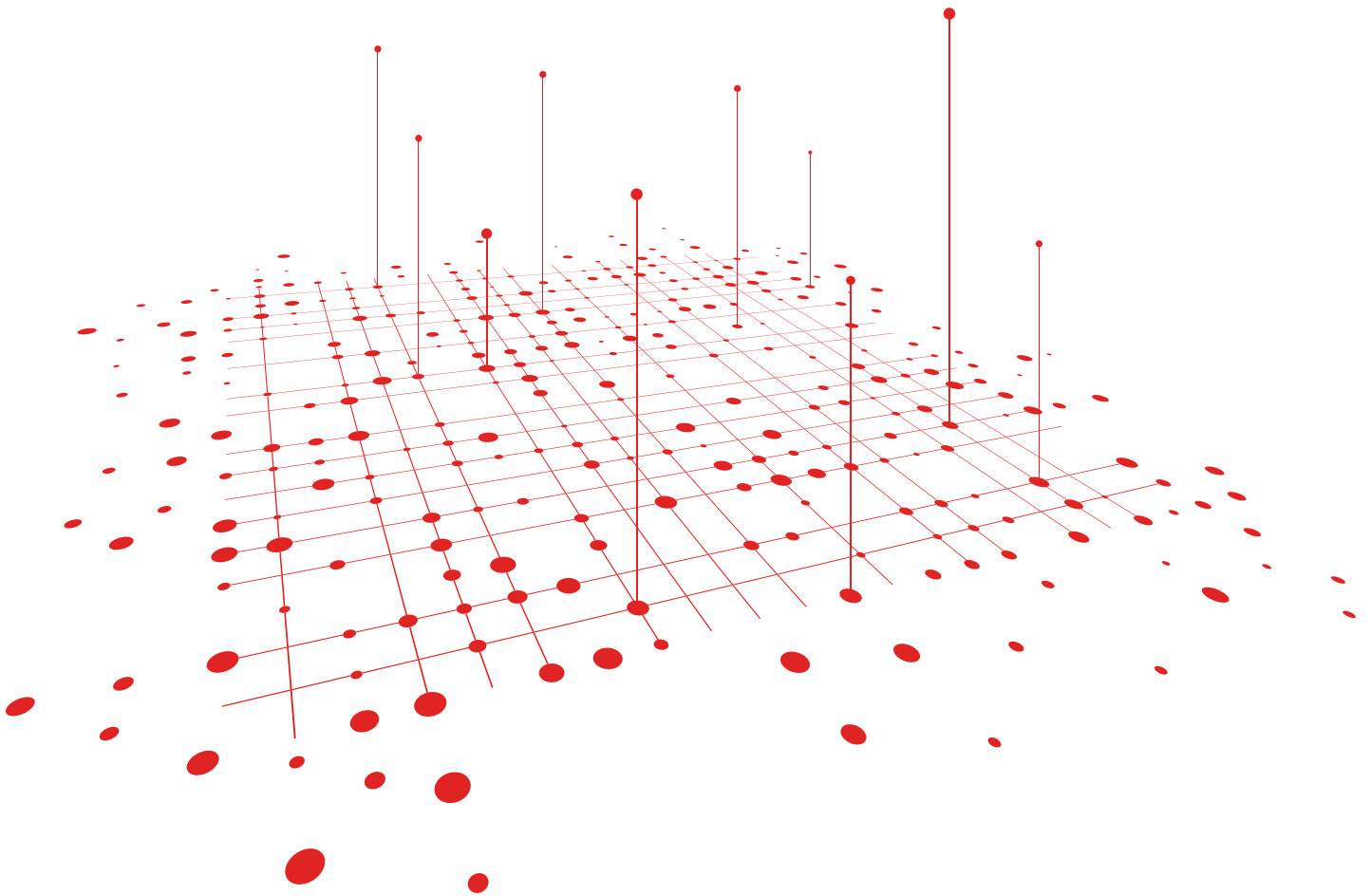
With sustainability increasingly factored into government contracts and corporate procurement policies, green practices are becoming baseline expectations. Contractors and integrators who demonstrate commitment to low-waste operations are better positioned to win bids, meet environmental standards and establish themselves as leaders in responsible network development.

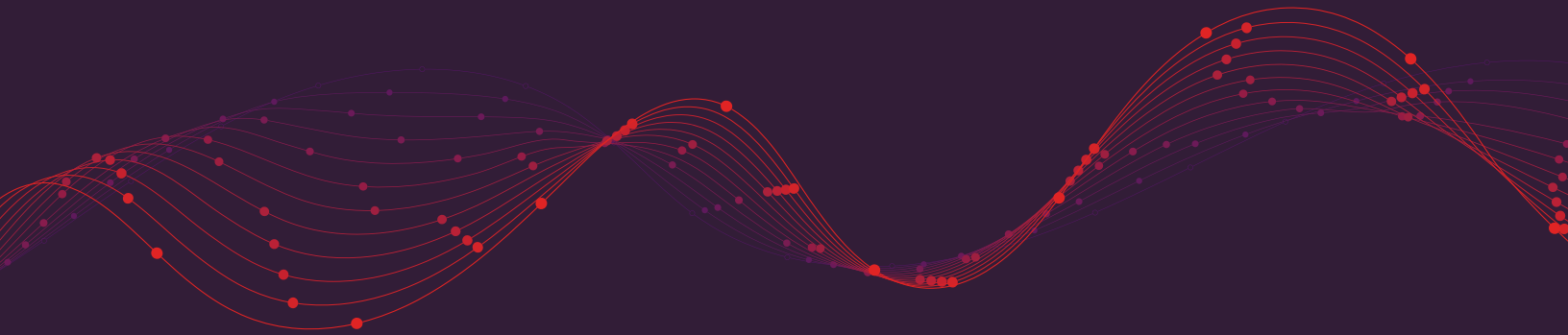
Contractors and integrators who demonstrate commitment to low-waste operations are better positioned to win bids.

## Building the future without the footprint

The momentum toward cleaner, smarter telecom networking infrastructure is transforming how networks are built. By adopting recyclable materials, optimizing sourcing and implementing waste-conscious field practices, the telecom industry can meet tomorrow's connectivity needs while honoring environmental responsibilities.

Working collaboratively across the supply chain, the sector can lead by example — building networks that connect people without disconnecting from the planet.





## Join us in shaping a more sustainable future

Talk to an Electro Wire Telecom Solutions expert today.  
Call (877) 424-9473 or visit [electrowire.com](http://electrowire.com)

**ELECTRO**  **WIRE™**

TELECOM SOLUTIONS

A GCG COMPANY