



TXO & the circular economy

A detailed close-up photograph of a green printed circuit board (PCB) is shown, curving from the bottom left towards the center. The board is populated with numerous electronic components, including integrated circuits, resistors, capacitors, and connectors. The components are soldered onto the board, and the intricate circuitry is visible. The image is partially obscured by the green curved background on the left and the white curved background on the right.

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Here at TXO, we are committed to creating a more sustainable future – together with our clients. Through our services, we create repair, reuse and recycling opportunities for telecom network equipment all over the world and can help you achieve financial savings while delivering on your circular economy goals. So you can do your thing... sustainably.

What is the circular economy and why is it important?

Sustainability is an extremely urgent and universal concern. We can no longer put off our efforts to fight the climate crisis. The time to act is now, and the circular economy offers the solution.

The circular economy is a system that tackles global challenges like climate change, biodiversity loss, waste, and pollution. It is based on three principles, driven by design: eliminate waste and pollution, circulate products and materials (at their highest value), and regenerate nature. We love nothing more than seeing businesses adopt circular practices and in turn, seeing social and business benefits.

In what ways can TXO help?

You're not alone. We're here to help make your sustainability goals a reality and accelerate the shift to a greener future. Our team has been helping companies all around the world to increase profits, decrease expenses and mitigate risk since 2005.

We offer the very best in telecom network equipment and take great pride in helping customers to deploy, manage and scale their networks, in ways that are more sustainable.

Buying equipment from the green market is an increasingly popular route for anyone managing a telecom network. At TXO we are well stocked with quality used telecom network equipment at an affordable price point. It means that functional products stay in circulation and out of landfill, supporting current platforms and extending the life cycle of legacy systems.

The **asset management services** we provide ensure there is a thriving market for used network equipment and a sustainable alternative to buying brand new products. We support customers by cataloguing and managing their inventory. We de-install and collect obsolete equipment, refurbishing whenever possible for reuse.

Where equipment cannot be refurbished, we ensure disposal according to the Waste Electrical and Electronic Equipment Directive, also known as **WEEE recycling**. Our considerable experience in the treatment of WEEE category 3: IT and telecommunications equipment has made us one of the largest recyclers in Europe. This enables us to leverage relationships with the largest smelters globally to maximise the return for our clients.

As a circular economy company, we embrace every opportunity to eliminate waste and support continual use of resources. Each year, well over half a million telecoms parts are sustainably acquired, redeployed, resold and recycled by our team. Throughout this process, our commitment to transparency is unparalleled. With 24/7 access to project status, sales, customer call-backs and resale revenue information presented to you in real-time, you're always in control.



Our multi-vendor **telecom repair service** completes the circular economy loop. We specialise in repairs of optical, IP and radio (for both microwave and RAN technologies) at circuit board level – with more than 12,000 repairs carried out per annum. This greatly extends the life of the product and diverts it from disposal by landfilling.

It doesn't stop there. Our passion for sustainability is a driving force behind our **field services** division, which includes network design & build, systems integration, maintenance of communications equipment, and spare parts management. Here our teams are at the cutting edge of technology, working in partnership with prominent network operators and equipment manufacturers operating in the telecommunications, renewable energy, utilities, and public sector technology markets. From weather monitoring prediction systems to keep emergency service helicopters in flight or LAN infrastructure systems for a windfarm, we've got it covered.

From start to finish, our services are rooted in sustainability and carried out with the client in mind.

What is the green market?

The green market (also known as the 'secondary telecoms market' or the 'used telecommunications market') is the distribution of refurbished, used, recycled, or discontinued products that are in good working condition.

In some cases, the items are completely new but just pre-owned. They are sold through resellers such as TXO, and sometimes through the original equipment manufacturers.

The green market is absolutely necessary for the maintenance of current systems that are in need of replacement parts that have either been discontinued, the manufacturer has gone out of business or in cases where availability is constrained and parts are hard-to-find. It is also a major resource when a hardware or telecom network component failure occurs because it's often quicker and costs less to replace a part rather than it is to repair.

The negative effects of overproducing new electronics products and disposing rather than utilising existing telecoms equipment has been recognised as ecologically hazardous. Buying green market products is therefore not only very cost effective, but more environmentally responsible than continually replacing network systems with new equipment.

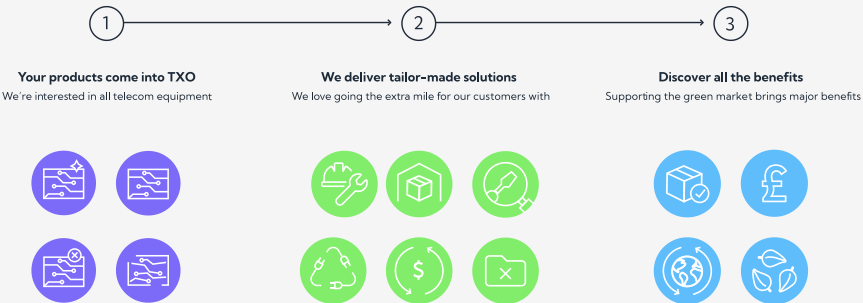
Such concepts are gaining traction globally with organisations such as the European Union setting ambitious targets for re-use among members as part of its framework to develop a more sustainable, low carbon, resource efficient circular economy.






How does it work?

Here you'll see how easy it is to support the green market and become part of the circular economy. In 3 simple steps, your surplus telecom assets can transform from a huge burden into playing a key role in the future of sustainable telecom networks.

TXO & the green market: how it works

Here you'll see how easy it is to support the green market. In 3 simple steps, your surplus telecom assets can transform from a huge burden into playing a key role in the future of sustainable communications networks.



Your products come into TXO	
 Products	We buy (and resell) all types of mobile and fixed line telecom network equipment: new, used, discontinued or damaged. This spans multiple product and platform types including optical transmission, routers & switches, GSM/3G/4G/WiMax/LTE, servers, base stations and more.
We deliver tailor-made solutions	
 De-installation & decommissioning	We are experts in managing complex reverse logistics programmes for the telecoms industry. This industry experience has yielded substantial insights for us into best practice for telecom network de-installation, telecom surplus recovery and the decommissioning and recovery of old or obsolete telecom network equipment, maximising your returns.
 Identification & warehousing	Gain complete visibility & control of your telecom network assets with our identification & warehousing services. Do you have live telecom sites with unidentified hardware consuming power and costing you excessive OPEX? Do you know exactly where to find the spare parts you need to maintain your network, 100% of the time without fail? If you're not completely sure, our team can give you the answers.
 Test & repair	We offer a comprehensive third-party repair service for telecoms equipment at circuit board level. Our engineers have many years' experience working across all of the main disciplines including optical, IP and radio (for both microwave and RAN technologies), as well as specialising in power equipment.
 Redeployment & resale	We're passionate about overseeing every single detail to ensure our clients achieve the best outcome for their telecom networking equipment. Whether it's our precise product inventories, our accurate market valuations, or our unrivalled network of customers – you're in great hands.

 <p>Data wiping & destruction</p>	<p>We provide certified data wiping and physical destruction solutions for organisations with the most stringent data security requirements. All work is accompanied by an itemised and internationally recognised certificate of destruction, proving that your data has been disposed of in a responsible manner.</p>
 <p>WEEE recycling</p>	<p>We work with our customers to reduce their carbon footprint through strategic recycling and responsible disposal of telecom network e-waste. In this way, TXO and our clients play a significant part in reducing the demand on primary sources of precious metal and the energy needed to produce them, such as mining, which can have adverse environmental consequences including increased CO₂ emissions.</p>
<p>Discover all the benefits</p>	
 <p>Circular economy</p>	<p>The circular economy is not purely a concept. It's happening already and it makes good business sense. As well as creating new opportunities for growth, a more circular economy reduces waste, drives greater resource productivity, delivers a more competitive economy, and helps reduce the environmental impacts of production and consumption.</p>
 <p>Sustainability</p>	<p>Our business model rests on finding repair, refurbish and reuse opportunities for telecom hardware rather than it being simply discarded. Whether to mitigate risk, create new opportunities, reduce operating costs or improve brand reputation, we help companies address their sustainability goals and take control of their resources in a way that creates value and helps the environment.</p>
 <p>Cost effective</p>	<p>We are well stocked with quality used telecom network equipment at an affordable price point. Our telecom network equipment typically costs up to 90% less than OEM list price. Additionally, through our acclaimed asset recovery solutions you can free up capital and valuable footprint. Creating a new and incremental revenue source that can be redeemed as cash or credit to use on any of our services or products.</p>
 <p>A new home for your equipment</p>	<p>It's a great feeling when surplus telecom network equipment goes to a new home somewhere in the world where it is needed most. It means that functional products stay in circulation and out of landfill, supporting both current platforms and extending the life cycle of legacy systems.</p>



Leading the way to a global circular economy

Here at TXO we're known for our circular economy heritage. We are pleased to share that we're officially part of the Ellen MacArthur Foundation community. As leaders in telecom network sustainability, it makes us so proud to be the first in our field to be a part of this community. Experts learn from experts. We're excited to be connecting with fellow circular economy practitioners.

We are also on track to publish a white paper in 2022 on the circular economy, its benefits and the challenges the sector faces to join it and create a sustainable future. Get involved – we'd welcome your input with the independent research element coming up.

As part of our service promise, we believe in making it easy for you to contact us, when and where you need us. If English isn't your native tongue, let us know and we'll put you in touch with the right person in our team to make things easier. Our experienced team of 50 sales executives worldwide currently includes both native and fluent speakers of 13 languages (and counting) and we'll always do our best to help.

We remain committed to pioneering breakthroughs and new ways of doing business in a way that creates value and helps the environment.

Our ISO certifications

Our certifications and specialist memberships mean you can be confident that TXO is a supplier you can trust. We are independently audited and hold multiple certifications including ISO 9001/TL9000 (quality management), ISO 14001 (environmental management), ISO 27001 (information security management), and ISO 45001 (occupational health & safety management).



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EMS 642765



IS 677223



OHS 642766

Sustainability & us

Through our sustainability commitments for this year and beyond, we're aiming to continue reducing energy use, packaging and waste while also helping our customers to run more environmentally friendly networks too. We're constantly on the lookout for new opportunities to address sustainability issues.

No matter how big the project, or where you are in the world, we're here to help.