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Leading the way

An update from Management

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Overhead & Underground

Blending people, poles, and precision.

How a modern fibre network becomes more than just a service.

You can learn a lot about a community by observing what exists both above and below it. At Nano Fibre UK, **we envision the future in every fibre we deploy**, whether it's quietly strung between poles or discreetly buried beneath the earth. **Every metre represents a conversation, a collaboration, and a commitment not just to keep people connected but to care for them.**

This story extends beyond mere infrastructure; it is fundamentally about humanity. Engineers who wave at children from cherry pickers or take a moment to explain things to curious neighbours are creating something far more significant than cable. **They are building trust**. While our industry thrives on data, it is even richer in everyday stories of perseverance, humour, and heart.

In this edition, we spotlight how both overhead and underground fibre builds **serve more than just homes; they strengthen relationships, uplift communities, and demonstrate that real progress occurs when people and technology work together**. From practical tips to meaningful field stories, this is how we're connecting Britain, one pole and one pathway at a time.

We hope this inspires **reflection**, **pride**, and perhaps a **new appreciation** for the everyday brilliance that surrounds us and beneath our feet.

Kind Regards

Wilhelm & Dirk

Fibre that connects more than homes

At first glance, you might not even notice it. The quiet hum of progress strung overhead like telephone lines of the past. A few boots on a pole, the whirr of a cherry picker, and a neighbour peeking through their curtains. Overhead fibre builds don't command the drama of road closures or trenching works, but their impact is quietly revolutionary.

While the fibre industry often gets lost in jargon, symmetrical uploads, gigabit speeds, and AI-optimised routing, the actual heartbeat of connectivity lies in the work done both up poles and in the muddy verges of our neighbourhoods. With overhead making up 65% of our deployments and underground fibre comprising the remaining 35%, progress relies on striking the perfect balance between elevation and excavation.

The Everyday Elegance of Overhead



One dog walk was all it took for the significance to sink in. I spotted an engineer balanced high on a pole, humming to himself while chatting with a resident below. They were discussing connection speeds, not specs or sales, but relatively simple joys like seamless video calls with family. That's when it hit me: we're not just installing fibre; we're building human connections.

Overhead installations turn fibre from an inconvenience into a curiosity. Instead of digging up roads, residents see cables gently unfurl above. That visibility fosters interest, conversation, and trust far more than a silent underground build ever could. When engineers are trained to engage, not just install, they create relationships, not just results.

DID YOU KNOW?

Overhead fibre installations can be up to **60% faster to complete** than underground trenching, and they use up to **90% fewer heavy vehicles**, resulting in significantly reduced carbon emissions and community disruption.

Trust, Built at Height

A top concern we hear on-site: "Will this work in the rain?" It's a fair question. Overhead lines seem exposed. But today's aerial fibre is a marvel, resilient, precisely engineered, and weatherproofed to standards that rival (and sometimes surpass) underground builds.

Still, technical specs don't win hearts. People do. One of our engineers has a favourite line: *"It's like a washing line, it braves every season, never rusts, and always gets the job done."* That blend of humour and expertise reassures in a way no PDF ever could.

What is a green build

A green build refers to fibre installations designed to minimise environmental impact. That means fewer heavy vehicles, reduces ground disturbances, and faster, cleaner deployment methods like overhead installations that don't reuire digging through roads and verges.



Sustainability: Lighter, Cleaner, Kinder

Overhead fibre isn't just faster to install. It's lighter on the land. No torn-up verges, fewer lorries, and dramatically reduced emissions. It's the eco-conscious choice. Think of it as flying to your destination instead of bulldozing your way there.

According to *ThinkBroadband*, green builds are no longer a 'nice-to-have'; they're a must. And that shift aligns perfectly with the legacy we aim to leave: modern infrastructure with minimal disruption.



Our evolving view on green

We have not yet formalised a green build policy. However, every day in the field, we are learning how to build brighter, cleaner, and with less disruption to the communities we serve. Whether it's opting for overhead routes to reduce emissions or coordinating site access to minimise impact, we are making real-time decisions with sustainability in mind.

We are not claiming perfection, but we are committed to progress. This includes developing a more intentional and measurable approach to environmentally responsible fibre builds. Being future-ready isn't just about speed and technology; it's also about leaving a positive footprint behind.

Old-School Tools, New-School Mission

There's something poetic about using the classic British telegraph pole to deliver the future.
These wooden sentinels now serve up cloud computing, smart home tech, and a more connected countryside.

But the real differentiator? People. At Nano Fibre UK, we train for the whole journey, focusing on technical mastery and personal connection. Our engineers make eye contact. They knock, wait, introduce themselves, and wave goodbye. These moments aren't trivial; they're transformative.

One small act, such as a five-minute tutorial, a gentle joke, or a check-in to confirm buffering is gone, can resonate longer than any campaign.



Tips to Build Meaningful Connections (and Networks):

1. **Communicate Before You Climb:** A quick heads-up builds goodwill.
2. **Own the Resolution:** Don’t just report problems, solve them.
3. **Educate with Empathy:** Ditch the jargon; share the journey.
4. **Celebrate the Finish:** Wave, smile, even give a sticker, it matters.
5. **Document Joy:** Share those smiles and victories; they fuel purpose.

Underground Ingenuity, Aboveground Impact

It's not just the poles that tell the story. I've spent my fair share in muddy verges beside civil crew members rerouting around trees, water mains, and Victorian surprises. That's where innovation shines in the moment, in the mess, and in the margin.

Innovation isn't just high-tech; it's high-stakes problem-solving in real-time. One site in Canterbury faced multiple blockages. By lunch, the civil blockage team had rerouted through a strip of council land, submitted new plans, and secured approval in 48 hours. That's leadership, foresight, and trust all rolled into a manhole cover.

Planning for a Future Not Yet Written

Our builds are mapped with predictive demand tools that factor in future traffic, housing developments, and even green spaces. We're building not just for today but for the demands of tomorrow's smart homes, edge computing, and AI-driven systems.

According to Ofcom, fibre availability directly influences where digital businesses choose to operate. That trench today could support a fintech boom tomorrow.

Fibre vs. 5G? It’s a Partnership, Not a Competition

Yes, we hear it all the time: "Is fibre still relevant with 5G?" Absolutely. Mobile networks rely on fibre for data backhaul. It's not one or the other. Fibre is the railway. 5G is the train. You need both.

And while the tech grows smarter, so must we. We're integrating digital twins, pre-connected nodes, and more efficient build techniques to keep costs lean and builds clean.

But Fibre is Still People-First

A cold winter's day. An older woman had just switched to remote care. Her line wasn't working. It took two hours, but when we finished, she held our engineer's hand and said, "You've brought me peace of mind." That's why we dig.

You can't automate empathy. You can't AI your way to community trust. That comes from humans who care.

SupportIng the Workforce of Tomorrow

You can't future-proof fibre without future-proofing your people. Ongoing training, mentorship, and mental health support are foundational at Nano Fibre UK. Because a well-trained engineer today becomes the innovator tomorrow.

How to Future-Proof Your Fibre Build:

- **Invest in Local Knowledge:** Familiarity breeds faster solutions.
- **Use Tools + Instinct:** Digital maps help, but boots on the ground know better.
- **Document, Then Adapt:** Process Matters; So Does Flexibility.
- **Unify Teams:** Planning, the civil avoidance team, and installation, they need to talk.
- **Celebrate Often:** Wins, however small, build momentum.

Faith in the Mission

Not every day is easy. Permits delay. Weather disrupts. But we believe in this work. Whether you call it stewardship or just grit, the truth is this: the fibre we lay isn't just physical; it's symbolic. It ties us together.

Companies like Brsk and Netomnia are proving this with their community-first fibre models. The organisations that thrive aren't just laying lines; they're laying down roots

So, What’s Next?

At Nano Fibre UK, we're not just stringing cable; we're stitching together a stronger Britain. We're sharing more stories from the field, giving voice to our engineers, and spotlighting the unsung heroes who climb poles and lay duct.

Fibre may disappear into ducts and walls, but the people who build it? They should be seen.

To every planner, every civil crew lead, and every engineer waving from a pole, you are seen, you are valued, and you are building Britain's digital legacy.

Let's keep digging, with purpose, with pride, and with people at the heart of every metre laid.