



TrimTabs

Transforming Conductive Materials

hello@trimtabs.co

+44 1656 546246

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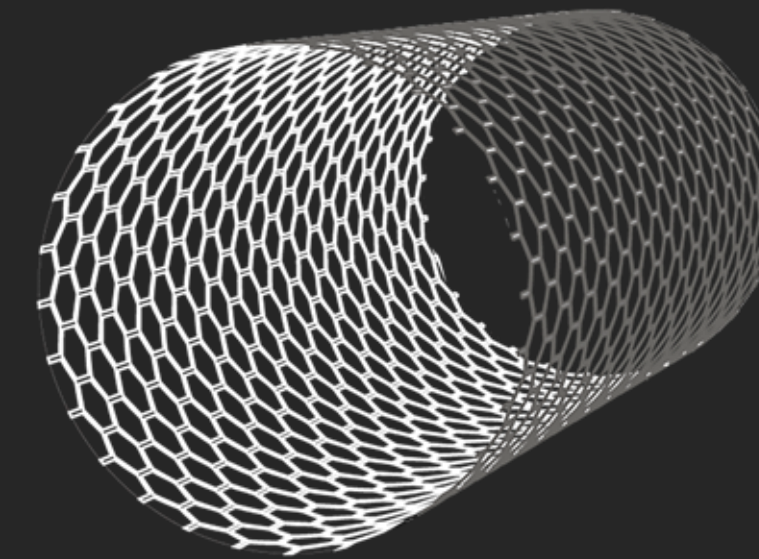




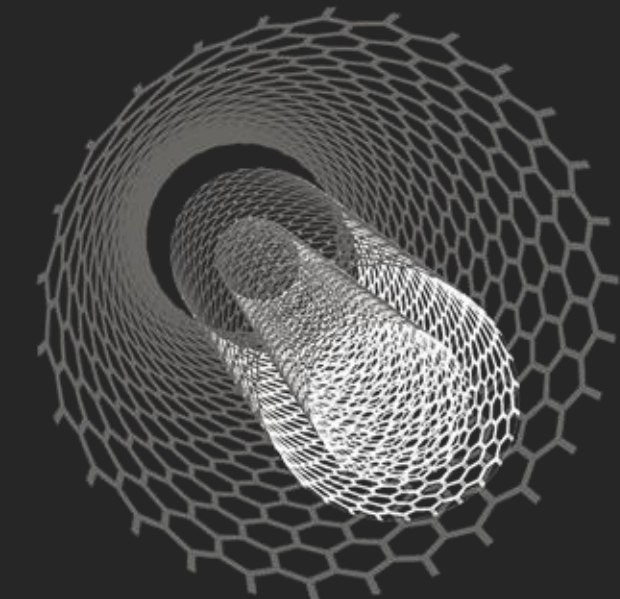
TrimTabs

Trimtabs produces **cost-efficient**, high-performance carbon nanotubes at scale.

Our process is the product of **15+ years** nanotube research from leading universities.



Single-walled carbon nanotube (SWCNT)



Multi-walled carbon nanotube (MWCNT)



RICE UNIVERSITY



Massachusetts
Institute of
Technology



Swansea
University
Prifysgol
Abertawe



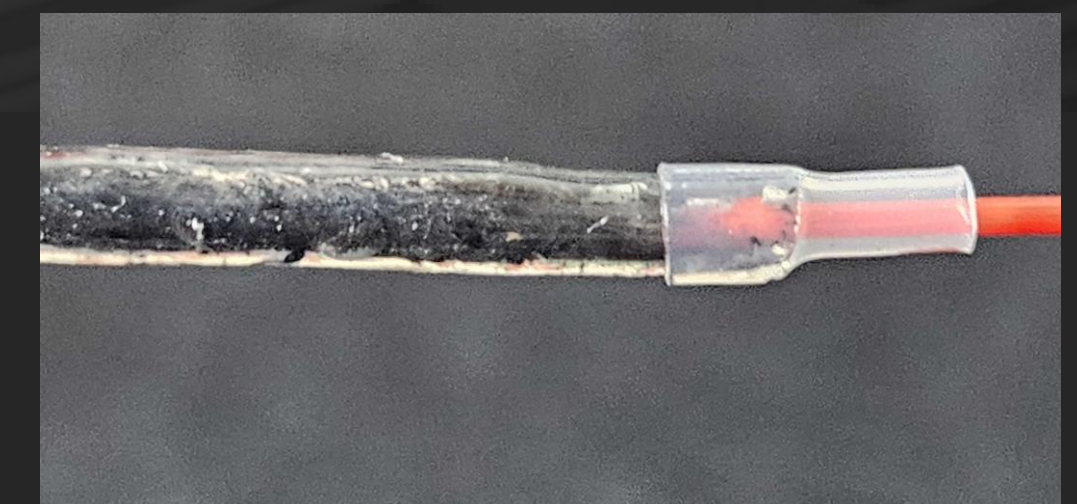
Circular Economy Upcycling Ostomy Bags to Electrical Wires

TrimTabs partnered with Salts Healthcare, a healthcare equipment provider to reprocess some of its excess equipment, made of plastic.

<https://www.youtube.com/watch?v=miyAtKlIIIk>

The Result:

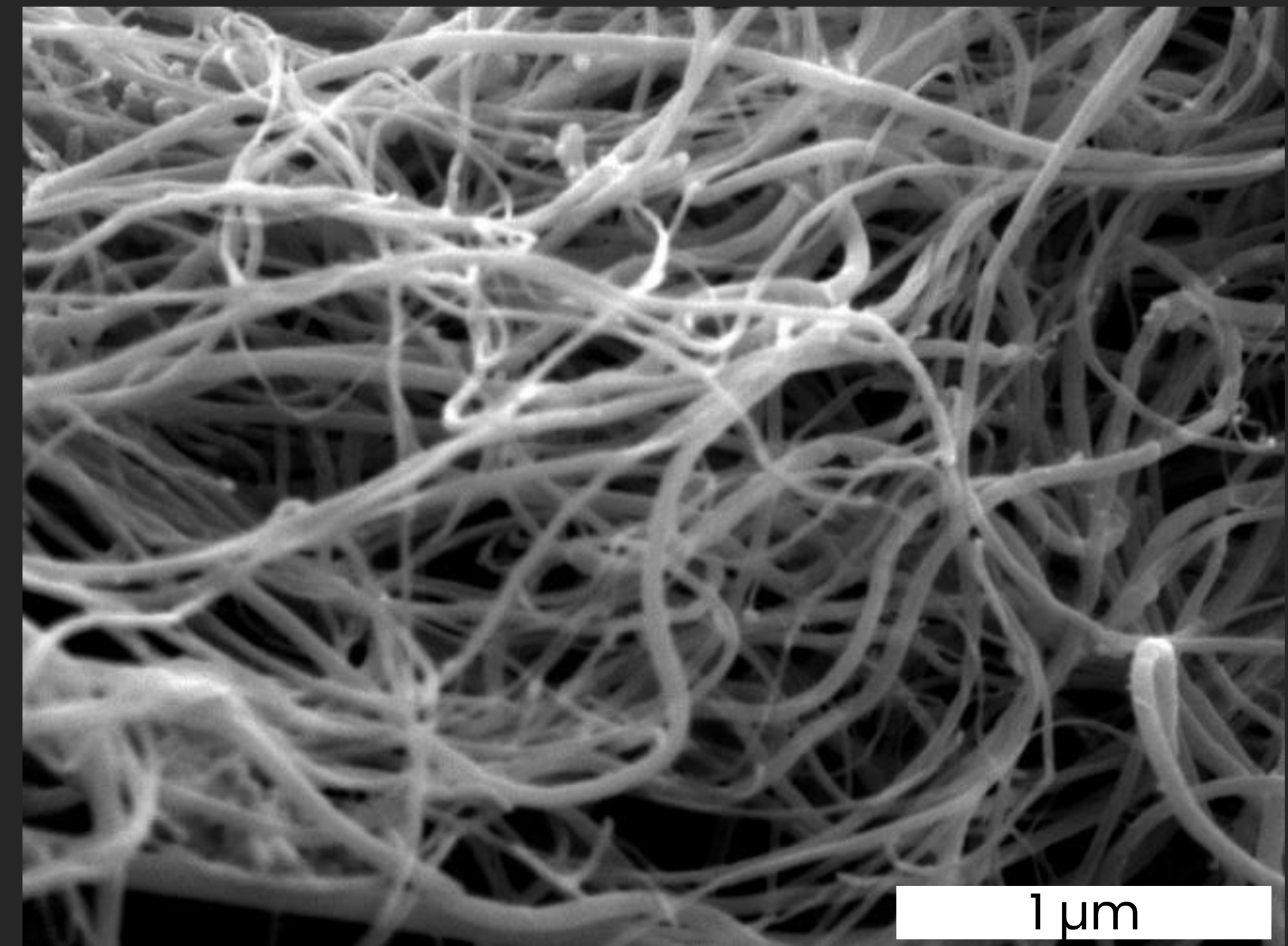
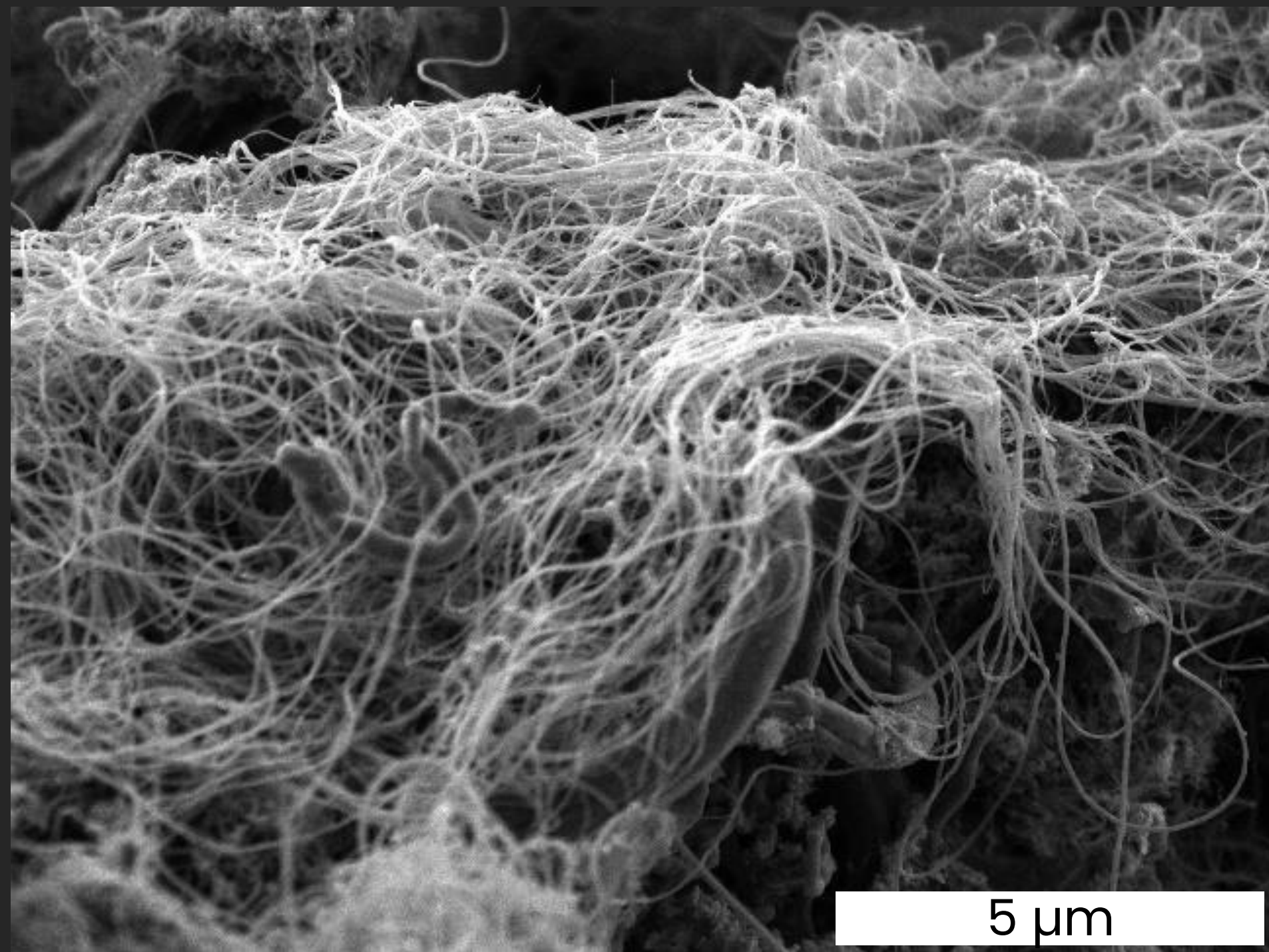
Using our patented technology we turned the plastic into high performance cat 5 cable, able to transmit data at speeds >100mbps.



1. On the Use of Carbon Cables from Plastic Solvent Combinations of Polystyrene and Toluene in Carbon Nanotube Synthesis. *Nanomaterials* **2022**, 12, 9. <https://doi.org/10.3390/nano12010009>
2. From Waste Plastics to Carbon Nanotube Audio Cables. *C* **2022**, 8, 9. <https://doi.org/10.3390/c8010009>
3. Upcycling of Face Masks to Application-rich Multi- and Single-walled Carbon Nanotubes. *Carbon Letters* 2022 <https://doi.org/10.1007/s42823-022-00398-8>



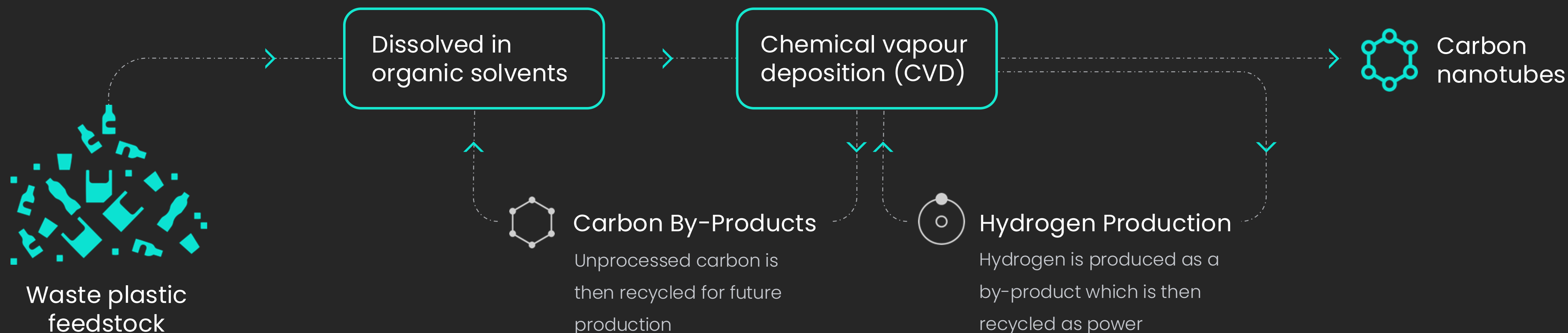
Multi-walled nanotubes (MWCNTs)



The average CNT diameter is 42 ± 14 nm with uniform sample morphology, minimal amorphous carbon visible from SEM imaging



Our patented process **transforms waste plastic** into high-quality and differentiated nanotubes.



Our process is **modular**, **scalable** and **fast**: Using off the shelf equipment, we can bring new production sites online in **<6 months**.



A Circular Future

Our process allows the **recycling of plastic and solvent waste** into highly efficient materials that underpin a transition to **clean energy**.

We provide plastic and solvent upcycling; we are able to **remove carbon from waste** and help companies transition to a circular process.



Thank You

Dr. Alvin Orbaek White

www.TrimTabs.co

✉ hello@trimtabs.co

📞 **+44 (0) 1656 546246**



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