

ESC conference

Presentation topic:

Graphene nanotubes for sustainable high-performance conductive coatings and textiles

Speaker:

Fabio Tombolato

Technical Customer Service Manager EMEA, OCSiAl Europe S.à r.l.

Abstract:

Graphene nanotubes offer a sustainable, cost-efficient, and innovative way to improve coatings and textiles. Ultralow dosages starting from 0.01 wt% of graphene nanotubes impart permanent, uniform conductivity without compromising the mechanical properties or colors of various textiles and industrial coatings. Textiles modified with graphene nanotubes fully comply with ESD regulations and demonstrate additional smart properties such as dust-repellence, ESD protection, heating, and touchscreen compatibility.

Join our presentation and you will learn:

1. what graphene nanotubes are and why they outperform standard conductive additives offering a set of properties to coatings
2. how nanotubes create a conductive, reinforcing skeleton inside all types of resins and coating systems
3. why hundreds of companies globally use graphene nanotubes to upgrade their lining, flooring, gelcoats, coverings, topcoats, primers, and other coatings

OCSiAl is the global leader in graphene nanotube technologies with the only scalable technology for their manufacture. Our skilled engineering and R&D team develops and produces easy-to-apply nanotube-based solutions compatible with standard processing equipment and all coating systems.