OCSiAl is the world’s largest manufacturer of graphene nanotubes and owns the only scalable technology that can synthesize them in industrial volumes.

A graphene nanotube (also known as a single wall carbon nanotube) is a rolled-up sheet of graphene. High electrical and thermal conductivity, strength and flexibility – all together, these exceptional properties make it a universal additive for improving the properties of most known materials. When embedded into a material, the nanotubes create a 3D reinforced and conductive network. OCSiAl produces high-purity graphene nanotubes under the TUBALL™ brand name.

OCSiAl accelerates the transformation process of nanotubes from the laboratory to being an industrial-scale material by simplifying their handling. The TUBALL™ MATRIX nanotube concentrate product line allows nanotubes to be used directly in standard manufacturing technological processes. As little as 0.1% of the concentrate is enough to improve a material’s properties significantly.

So far, OCSiAl has developed TUBALL™-formulated technologies for electrochemical power sources, elastomers, composites, plastics, paints and coatings. To provide its clients with advanced technical support and to develop new nanotube technologies, the company has launched TUBALL Centers in Luxembourg, China and Russia.

OCSiAl’s current production capacity is 80 tonnes per year. In 2024, the company will launch the first train of a new synthesis facility in Luxembourg with an annual capacity of up to 100 tonnes. For industrial-scale commercialization in global markets, OCSiAl has registered its TUBALL™ single wall carbon nanotubes in accordance with the regulatory requirements of various countries’ authorities, including EU-REACH (Registration, Evaluation, Authorisation and Restriction of Chemicals) and US EPA (Environmental Protection Agency). As of the beginning of 2020, OCSiAl is the only producer in Europe authorized to commercialize up to 100 tonnes of single wall carbon nanotubes.

OCSiAl partners with more than 1500 companies all around the world. Headquartered in Luxembourg, it is represented in the USA, Russia, Korea, China, Hong Kong, Japan, India, Malaysia, Mexico, Australia and Germany. OCSiAl has over 420 employees, with more than 100 of those being R&D experts.

[tuball.com](http://tuball.com/)

[ocsial.com](http://www.ocsial.com)