

Graphene Oxide Industrialization: Technical & Economic Challenges

Filippo Giordanino

LayerOne AS, Martin Linges vei 25, 1364 Fornebu, Norway

fg@layeronematerials.com

Graphene oxide (GO) is an effective material alternative to graphene for driving industrialization and commercialization of graphene materials. It is no longer a question of whether graphene oxide (GO) can transform industries, but a question of when. The answer comes down to when GO can be industrialized and produced on an industrial scale, at low cost and with controllable quality. LayerOne is a leading GO manufacturer in Europe, with a capacity of up to 2.0 ton / y. We aim to provide the highest quality graphene oxide materials at larger industrial scales globally. Several technical and economic challenges must be considered for large-scale GO production and commercialization.