

Scalable and Profitable Carbon Utilization Technology by Carbogenesis

David Soane, CEO; Nicholas Soane, VP BD

www.carbogenesis.com

Carbogenesis is a startup whose mission is to develop viable (massively scalable, rapid, profitable, and proprietary) carbon utilization technologies. Our innovative approach enables chemical conversion of CO₂ at high energy efficiency, while quantitatively and selectively making a variety of targeted end-products (such as SAF) in demand across multiple industries. The basic Carbogenesis unit is compact and modular. Built around robust and well-established microwave components, in conjunction with our novel sequential reactor design (which has been intelligently iterated, tested, and optimized), this revolutionary technology is not only proven on a pilot scale, but also massively scalable/deployable by simply “copy and paste” individual units. Future commercial Carbogenesis installations promise the same excellent energy efficiency as demonstrated by our pilot, a menu of enabled products to match local market demand, and opportunities for impressive project economics. We contribute to the growing trend of electrification of chemical manufacture and difficult-to-abate industries, utilizing CO₂ as an important feedstock instead of treating it as a waste to be disposed of.