



***TETRAMER
TECHNOLOGIES*** 

YOUR PARTNER IN MOLECULAR ARCHITECTURE®

SERVICES

Tetramer focuses on joint research and development relationships, allowing us to generate mutual sustainable commercial value in the shortest time practical.

MATERIALS DEVELOPMENT

Molecular level research and development delivers enabling materials to diverse markets.

- » Monomer and Polymer Development
- » Nanoparticle/Nanocomposite Development
- » Biorenewable Materials
- » Formulations Development



TECHNOLOGY VALIDATION AND TRANSITION ASSESSMENT

Tetramer analyzes factors required to transition a new material from the lab to the marketplace, providing the customer with a comprehensive risk profile associated with each aspect of the transition process. Customers include universities, industrial open innovation groups, government agencies, and venture capital groups.

- » Chemistry
- » Scale-up
- » Supply chain
- » Regulatory
- » Cost analysis & manufacturing sensitivity



INVESTIGATIVE ANALYTICAL SERVICES

With access to analytical equipment both in-house and at Clemson University, Tetramer provides custom, investigative analytical support to meet a variety of customer needs. Tetramer's strong background in materials R&D and process research provides a unique capability in comprehensive analytical support for materials and processes.

- » Full analytical lab staffed by analytical chemist
- » Root Cause Analysis
- » Deformation
- » Quality Evaluations



SPECIALTY MANUFACTURING

We custom manufacture specialty monomers, polymers and resins for niche applications. Additionally, we develop technical transfer packages for scale up and oversee larger toll manufacturing processes.

- » Bench scale to 150 liter
- » ISO9001:2015



PRODUCTS

Tetramer develops materials solutions for real-world problems in a wide range of applications and technologies.



TETRIMIDE™ POLYIMIDE COATINGS

High-temperature, custom-color coatings for wire, fiber optic, and cable



PERFLUOROCYCLOBUTYL IONOMERS

Tailorable polymer for gas separation, water vapor, or proton exchange membranes



TIMA™ UV-CURABLE FIBER OPTIC ADHESIVES

Robust, easy-to-use adhesive for repairs in the field



EPOGEE™

Low calorie fat replacement co-developed with Choco Finesse

JOINT PROPRIETARY PRODUCT DEVELOPMENT GOVERNMENT CUSTOMERS/PARTNERS

- » Advanced Research Projects Agency-Energy (ARPA-E)
- » Defense Logistics Agency (DLA)
- » Defense Threat Reduction Agency (DTRA)
- » Department of Energy (DOE)
- » Department of Agriculture (USDA)
- » National Institute of Standards (NIST)
- » National Science Foundation (NSF)
- » Naval Air Systems Command (NAVAIR)
- » Missile Defense Agency (MDA)
- » Office of Naval Research (ONR)



INDUSTRIAL CUSTOMERS/PARTNERS

Tetramer's industrial customers range from small business startups to global companies, with projects spanning diverse industries and markets. We have the flexibility to tailor joint development contracts and nondisclosure agreements to fit the needs of the individual relationship, and we will always treat these partnerships with integrity and confidentiality.



MISSION AND COMPANY PROFILE

Tetramer Technologies, L.L.C. was founded on the principle that progressive materials solutions empower innovation. We help our partners focus on transitioning molecular level research and development. We perform synthesis and product development of applied materials having unique molecular architectures that meet targeted customer needs. An ISO 9001:2015 certified quality management system ensures materials are successfully transitioned to production, generating mutually sustainable commercial value in the shortest practical time.

SUPPORTING PRINCIPLES

- » Creative chemical syntheses leading to competitive, value-added molecular architectures for our customers
- » Fundamental structure-property relationships that provide monetized competitive advantages
- » Product development focused through open technical communications and mutually beneficial value propositions
- » Intimate customer interactions based on integrity, ethics, and good personal relationships
- » Process research to lower manufacturing costs and improve quality
- » Technical transfer packages for smooth production scale-up
- » Technology validation

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