Concurrent Technologies Corporation’s (CTC’s) full-service solutions team consists of engineers and scientific experts with in-depth experience in materials, design, analysis, rapid prototyping, testing, and manufacturing. We integrate these resources at the appropriate phase in the product development life cycle, and employ a first-pass design philosophy to minimize design iterations. As a nonprofit organization, we partner with clients to provide the best possible advanced engineering & manufacturing solutions in the following areas:

- Air Systems
- Ground Systems
- Sea Systems
- Weapons Systems
- Manufacturing Process Development and Optimization
- Prototyping and Test Services

Together with our affiliate, Enterprise Ventures Corporation, we offer the complete ability to fully design, develop, test, prototype, and build.

A full-service solutions provider combining traditional fundamentals with cutting-edge technologies to deliver innovative, customized solutions.
CTC employs a team of highly qualified professionals from a variety of disciplines. We approach component, system, and support equipment/tooling with creative and innovative solutions. By doing so, we develop optimized designs and analyses that are flight qualified, validated, and tailored to each client’s specifications and unique needs.

CTC delivers engineering solutions spanning initial design, analyses, product improvement, material upgrades, demonstrations, and low-rate production, resulting in cost-effective, relevant solutions. This full systems approach allows CTC to deliver industry-leading innovations to America’s civil and military industrial bases.

Experienced engineers and scientists, many with military backgrounds, use next-generation technologies to address material selection, manufacturing improvement, and corrosion prevention and mitigation, allowing for reduced ownership costs in production. Providing better solutions means delivering improved designs for maintainability and optimization in support of the life cycle of the fleet.
Weapon Systems
Product & Process Enhancement
Cost Reduction
Weight Reduction
Product Transition

Manufacturing Process Development and Optimization
Additive Manufacturing
Friction Stir Welding
Joining
Machining

Prototyping and Test Services
Prototype Fabrication and Assembly
Mechanical Testing
High Temperature Vacuum & Cryogenic
Test Planning Development & Test Specimen Preparation
Drop Tower Testing

Advanced Engineering & Manufacturing

CTC’s unbiased design teams are from diverse technical backgrounds and execute solutions across multiple programs, resulting in high value solutions anywhere in the product lifecycle. Unlike many other organizations, we offer clients the ability to produce complete system prototypes for test and evaluation through in-house machining and fabrication services. This gives clients the advantage of gaining further insight into product deficiencies prior to manufacture, reducing risk and associated costs.

CTC offers the best possible advanced engineering and manufacturing solutions through the use of additive manufacturing, friction stir welding, joining, and machining. CTC engineers have designed alternatives that have increased the structural integrity of welds, reduced labor hours by providing more user-friendly applications, and identified weld joint susceptibility. Our team can develop and transition innovative manufacturing solutions to reduce costs in the U.S. industrial base.

From concept to production, CTC delivers innovative solutions to serve our clients’ wide-ranging fabrication needs. Providing custom fabrication solutions on time and within budget, our skilled team welcomes any challenge no matter the size. CTC can develop, manufacture, test, and modify prototype machines and/or hardware systems to support prototyping, engineering, and research efforts. Our technical experts, including skilled trades masters, journeymen, and engineers, can lead clients from concept design through process development and ultimately low-rate production.
Concurrent Technologies Corporation (CTC) is an independent, nonprofit, applied scientific research and development professional services organization. Together with our affiliates, Enterprise Ventures Corporation and CTC Foundation, we leverage research, development, test and evaluation work to provide transformative, full life-cycle solutions. To best serve our clients’ needs, we offer the complete ability to fully design, develop, test, prototype, and build. We support our clients’ core mission objectives with customized solutions and strive to exceed expectations.

CTC’s quality management system is certified to the ISO 9001:2015 and AS9100D:2016; CTC’s environmental management system is certified to 14001:2015.

www.ctc.com

For more information, contact:
Ken Sabo
Senior Director
Manufacturing
(814) 269-6899
aem@ctc.com

100 CTC Drive • Johnstown, PA 15904
Phone: 1-800-282-4392

Copyright 2020, Concurrent Technologies Corporation. All rights reserved.