



Research Institute

CCTI is classified as a 501(C)(3) non-profit and qualifies as the Research Institute (RI) that is required for all STTR applications. [Businesses keep company equity and Intellectual Property.](#)

Technology Discovery

With its vast network, CCTI connects entrepreneurs with technical experts who can help them better identify and verbalize their technology's capabilities, recognize what problem(s) it solves and for whom, and detect what capabilities already exist.

Digital Engineering Value Stream

By understanding the value stream, and beginning with customer user empathy, we help optimize value delivery.

-  **Planning** | Move from predictive to empirical planning increasing mission agility
-  **Requirements & Discovery** | Need to be iterative and incremental to minimize rework and maximize value
-  **Modeling** | Use modeling to learn quickly
-  **Digital Twin** | Increase ability to innovate with minimal risk
-  **Virtual Reality** | Provide immersive experience to improve common understanding
-  **Augmented Reality** | Provide immersive experience to improve common understanding
-  **Software Factory** | Allows teams to deliver capabilities faster, consistently, and securely with minimal risk
-  **Human Machine Interface** | Augments human performance by seamlessly connecting them to the machine
-  **Data Aggregation** | Identify patterns and trends in data to improve decision making
-  **Data Visualization** | Moves data from text to a story
-  **AI/ML** | Enhances speed precision and effectiveness of the human effort
-  **Edge** | Decrease latency while increasing efficiency
-  **Cyber** | Mission and resource safety
-  **3D Printing** | Reduce lead time
-  **Immersive Education** | Dojos create a hands-on environment for faster learning and higher retention

Customer Discovery

CCTI understands the value of customer discovery and can help a company capitalize on the potential customers all around them by offering skilled customer discovery agents to make those initial engagements, mitigating delay.

Demonstrations & Training

The CCTI has access to a Space Operations Cyber Center (SpOCC) where live demonstrations of technology and training are possible. Companies partnered with CCTI in an SBIR/STTR effort could use these facilities to validate their technology and offer training to potential users on how to interface with it.

Classified Space

The Catalyst Campus is home to a Sensitive Compartmented Information Facility (SCIF) that can be used by companies partnered with CCTI for classified projects.

Mentorship & Business Development

Access numerous experts of varying specialties who could serve as a mentor to a startup or small business by leveraging CCTI's aerospace community.

As part of CCTI's Catalyst Accelerator program, CCTI is connected to subject matter experts in the arena of business development and strengthening. CCTI can offer expertise on many themes, including:

Corporate objectives | Core competencies | Market analysis | Competition Pricing models
IP protection | Funding avenues | Talent management

Commercialization plans

Companies need commercialization plans for a variety of reasons including being able to apply for that next phase of funding through STTRs, SBIRs, or private investment agencies. CCTI has experts that can help at every phase of the process. Know your company, know your competition and you'll find success at every new venture.

Marketing

CCTI recruits and markets for numerous events, and thus, has a vast network to call upon to assist with such efforts. CCTI has seasoned its capabilities in offering effective recruitment and marketing expertise that can be of great value to startups and small businesses.

Meeting Space

The Catalyst Campus is a beautiful venue equipped with state-of-the-art meeting rooms and event space for companies partnered with CCTI to utilize on a limited basis.

 catalystcampus.org

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