



**CSSI, INC.**

Moving Research to Reality

# What Can We Accomplish Together?

Your mission is more critical now than ever. And the challenges you face are likely tougher, too. Whether it's doing more with less, increasing system safety and efficiency, or developing and implementing plans for an uncertain future, CSSI can help. We'll work together with you to develop thoughtful, creative solutions that help you achieve your goals in a timely, cost-effective manner.

After all, your success is our success – and we won't rest until we develop a solution that exceeds your expectations.

## You Need...

- ✦ A way to deliver more in a resource-constrained environment
- ✦ A partner who will work with you to truly understand your problem, then assemble a team to tackle and solve that problem
- ✦ A partner who understands that you have zero room for error – period

## CSSI Offers...

- ✦ A team of highly skilled experts who have the experience, expertise and passion to help you solve your toughest problems
- ✦ A track record of providing sound, innovative solutions in the most mission-critical environments
- ✦ The drive to work tirelessly to earn your trust and deliver the best service and solution possible



## Why CSSI?

We have a long track record of success and making a difference. Here are a few of our stories:

- ✦ **Passion and Drive from the Start:** CSSI was founded in 1990 in the spirit of passion, making a difference, and supporting work-life balance. We started as a provider of air traffic management technical services and since have expanded into other high-consequence, highly technical areas.
- ✦ **Making a Difference in Everything We Do:** Over the years, CSSI has had the honor of working on some incredibly high-profile, high-visibility and high-impact projects. We've helped increase airspace capacity around the world via our unique Reduced Vertical Separation Minima work, improve safety for air traffic controllers with our safety reporting system, and today, we're helping develop and deploy the Next Generation Air Transportation System for the FAA.
- ✦ **Customers Come Back:** Roughly 80% of our business is from customers with whom we have a history of working.
- ✦ **Our Largest Contract:** CSSI won the largest contract in its history in 2010, a 10-year, \$280 million systems engineering (SE-2020) award from the FAA. Under the contract, CSSI is charged with performing engineering work that will modernize the National Airspace System (NAS). The fact that CSSI currently maintains the largest work share on the contract, paired with the fact that CSSI was the first company to receive a contract under this umbrella, speaks volumes about our reputation.
- ✦ **Our In-House Think Tank:** REALab, an internal CSSI Research and Development resource, allows us to rapidly explore innovative concepts and new products.



# CSSI Delivers...

CSSI is focused on helping you achieve real results. Here are a few examples of how we can help you achieve more in an increasingly competitive, resource-constrained, mission-critical environment.

## Safer Systems

With unmatched experience and expertise in making systems safer, CSSI offers the solutions and tools you need to decrease risk while increasing efficiency.

## Increased Infrastructure Capacity

Systems and infrastructure everywhere must stretch to accommodate more traffic of all kinds – more vehicles, more people, more load. CSSI has the knowledge and experience necessary to help you increase system and infrastructure capacity now, while planning for the future.

## Improved Security

Keeping data safe is imperative in today's world – and with the number of malevolent attacks and security threats increasing every day, improved security is on everyone's mind. CSSI's team of experts has the knowledge and skills necessary to secure your information using proven technologies.

## Enhanced Information Management

Managing information is just as important as keeping it safe, and you must be able to easily access, analyze, and archive your data. With a team of information management, reporting, and data fusion/analytics experts on staff, CSSI can help with this vital task.

## Optimized Business Processes

When you're focused on your mission and deeply entrenched in your work, it's difficult to think about how to do things better. CSSI provides business services that help leaders and their teams rethink the way they work.

## Proactive Service and Support

You need support that's proactive, not reactive. A responsive team that knows what you need even before you ask for it. CSSI currently supports some of the most mission-critical teams and initiatives on Earth – let us help you, too.

## Applied Research and Development

CSSI employs a diverse team of experts and often assembles interdisciplinary teams to tackle the most challenging problems. Let's talk about your problem – and we'll figure out how we can help.

# Core Competencies

## Applied Research and Development

- ✦ Development and analysis of concepts of operations
- ✦ Advanced concepts and system integration
- ✦ Advanced model application

## Operations Research

- ✦ Decision support systems
- ✦ Safety management
- ✦ Operations analysis
- ✦ Cost-benefit analysis

## Safety and Environmental Services

- ✦ Safety management systems
- ✦ Voluntary safety reporting programs
- ✦ Fatigue risk management programs
- ✦ Air quality tools
- ✦ Emissions inventories
- ✦ Airspace redesign services

## Systems Engineering

- ✦ Enterprise architecture
- ✦ Lifecycle systems engineering support
- ✦ Safety engineering and risk analysis
- ✦ Human system integration
- ✦ Portfolio management

## Modeling and Simulation

- ✦ Environmental models
- ✦ Systems-level simulations
- ✦ Fundamental models

## Information Technology Solutions

- ✦ Full software development lifecycle support
- ✦ Enterprise web solutions
- ✦ Network engineering and management operations
- ✦ Analytical business applications
- ✦ Information assurance

# About Our Team

CSSI offers a balanced and integrated staff that has experience working on the toughest challenges facing industry today.

Our staff includes:

- ✦ **Engineers:** Systems, Electrical, Software, Safety, Aeronautical and Aerospace
- ✦ **IT Professionals:** Information Assurance and Security Experts, Programmers, Web Developers, and Network Engineers
- ✦ **Enterprise Architects**
- ✦ **Operational Experts**
- ✦ **Research Analysts**
- ✦ **Mathematicians**
- ✦ **Business Analysts**
- ✦ **Program Analysts**
- ✦ **Project Managers**
- ✦ **Technical Editors and Writers**



## About Our President and CEO



Cynthia Castillo has led CSSI since 1993. Rolling up her sleeves and learning the business – and building long-term partnerships and relationships along the way – Castillo overcame the odds to grow CSSI from \$250,000 to more than \$70 million in revenue, and from 10 employees to more than 300.

Castillo's spirit, determination, and drive to be the best in the business carries forth in all of the work that CSSI does, and she demands that every employee live and breathe the company's values of loyalty, integrity, honesty and sincerity.

CSSI, Inc. is an engineering, technology, and management solutions company. We have a saying: "Your Problem, Our Passion," which is our fundamental approach to engaging with partners and devising solutions to complex challenges. Our corporate capabilities span multiple highly technical areas, thus positioning us to evaluate numerous programmatic issues and deliver results that are efficient, cost-effective, and sustainable. We believe in remaining highly responsive to the specific needs of our partners or clients that might call for advanced research and development, prototype design and testing, science or mathematical applications, or system engineering. Our work is showcased in the FAA, DoD, NASA, and other government agencies and commercial entities.



**Find Out More**

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