



Design Engineering Capabilities

From the simple to the complex, we have many successful years of experience in the design-build arena with a wide array of project types from gymnasiums and sports fields to airfields, launchpads, universities, and high-tech laboratories.

CDE takes full ownership of design projects – Once we are commissioned, we become your one centralized point of contact for everything regarding your project and the single responsible party for everything related to the project.

We maintain a high level of collaboration between the stakeholder, the design team, and the on-site construction team that allows a project to be designed and built with minimal complication. Our streamlined team works to remove construction obstacles, reduce costly construction change orders, and shorten the overall length of the project timeline.

CONTACT US to learn more about our capabilities to include:

- ✓ MEP Engineering
- ✓ Structural Engineering
- ✓ Renovation / Retrofit / Modernization Design
- ✓ BIM Modeling
- ✓ Energy Simulations
- ✓ LEED / Energy Conservation
- ✓ Specialized Engineering
- ✓ New Construction Design
- ✓ PV / Solar Designs
- ✓ HVAC / Electrical
- ✓ Peer Review
- ✓ Special Inspections
- ✓ Investigations / Forensics
- ✓ Cost Estimation / LCCA
- ✓ Post-Catastrophe Response
- ✓ Dune Walkover Designs



Past Performance

Design/Build Science Annex, NASA Space Station Processing Facility — The 8-koi® team performed the complete design and build of the biological science laboratory facility at the SSPF, which included site civil, architectural, structural, electrical, mechanical, plumbing, process piping, controls, fire detection and protection, as well as data systems. The entire building and systems were modeled using BIM.

LEED Silver® certification was awarded to the facility due to the team’s utilization of a high efficiency roofing system, energy efficient equipment, variable frequency drive motors, LED lighting, occupancy sensors, and building control and automation system.

The facility was completed in 2014, on schedule and within budget. The facility is currently in use and continues to impact scientific research being performed aboard the International Space Station (ISS).

Point of Contact

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About Us

At 8-koi®, we design, build, staff, and supply.

We deliver service excellence across three divisions: **Design Engineering, Construction, and Technical Services.** 8-koi® is a certified Economically Disadvantage Woman-Owned Small Business (EDWOSB) in Melbourne, FL.

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