



Passion
Excellence
Dependability
Thoughtfulness

**Full-spectrum
 contracting solutions
 with a human touch.**

Experience:

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

We deliver service excellence across three divisions: **Construction, Design Engineering, and Technical Services**. 8-koi is a certified EDWOSB headquartered in Melbourne, FL. We are *passionate* about solving problems and *dependably* completing projects on time and within budget. We *thoughtfully* stand ready to help you meet your goals in MEP and structural engineering, building and renovation, delivering seamless renovation of obsolesced properties with the least interruption.

UEI: **HU22XKV2KLS5** | DUNS: **829197503** | Cage Code: **5FCT4**

Construction

- New & Existing Construction
- Contract Management
- Demolition
- Vertical / Horizontal
- Government / Private
- Commercial / Industrial
- Underground / Infrastructure
- Safety / Communications / Logistics Planning
- A&E Support
- Constructability Study
- Estimating / Design Budget Validations
- Quality Control Services
- Inspection Services
- Facility Stabilization
- Emergency Response

Design Engineering

- MEP Engineering
- Structural Engineering
- BIM Modeling / Energy Simulations
- LEED / Energy Conservation
- PV / Solar Designs
- Peer Review
- Wind and Seismic Analysis
- Failure Analysis
- Renovation / Retrofit / Modernization Design
- New Construction Design
- Special Inspections
- Investigations / Forensics
- Cost Estimation / LCCA
- Post-Catastrophe Response
- Dune Walkover Designs

Florida Certified General Contractor

- ✓ Fully integrated inhouse design and build
- ✓ Successful environmental compliance and management
- ✓ Over 200 construction projects managed
- ✓ Over 3,500 completed design projects
- ✓ Project size from \$200K to multi million dollars
- ✓ CQM-C certified managers and superintendents
- ✓ Quality control plans for design and construction phases
- ✓ Currently operates in 10 states and the District of Columbia (DC)
- ✓ Past performance of over \$120 Million Dollars in support of the US Military, the DoD, NASA and other federal agencies
- ✓ DCAA-audited financial system
- ✓ Integrated safety planning, training, and controls
- ✓ Specialized services and products available

Contact Us

8-koi Headquarters
 2725 Center Place
 Melbourne, FL 32940

Inga Young
 President
 iyoung@8-koi.com

Otto Herrera
 VP, Construction
 oherrera@8-koi.com

Office: (321) 802-6768
Fax: (321) 802-6769
 newbusiness@8-koi.com

Dean Rosenquist
 Chief Operating Officer
 drosenquist@8-koi.com

Matt Charmbury
 Director of Engineering
 mcharmbury@8-koi.com

Our Clients



8-koi® is a dynamic woman-owned small business ready to help you meet your government contract procurement and delivery goals.



8-KOI® PAST PERFORMANCE

CONSTRUCTION



US Naval Facilities Command SE Naval Hospital *Exam Room and Communications Modernization*

8-koi provides all labor, material, equipment, transportation, and supervision necessary to effect renovation of Naval Hospital Jacksonville, to standardize 94 exam rooms, operational areas, common areas and update the communications infrastructure. The work includes deconstruction, walls, ceilings, floors, other general construction trades, mechanical, plumbing, and electrical. All work is performed while the facility is staffed and remains fully operational. Extensive coordination is required with the facility, departments and vendors. Logistics and planning are key for the successful acceptance of the new systems prior to dismantling and removing the older ones.



Trident Wharf at CCAFS Naval Ordnance Test Unit (NOTU) *Design Build Utility Replacement*

8-koi designed, removed, and replaced the shore support utility systems including water, sewer, oily waste, fire control system, and the low-pressure air systems on the wharf. 8-koi conducted, performed and implemented a value engineering study that resulted in approximately \$10,000 in savings to the customer. 8-koi performed all environmental assessments and met all permitting thresholds. Some value engineering that was conducted was changing the pipe material in the underground distribution to HDPE for corrosion resistance. Measures were taken for all the pier side utility replacement to ensure environmental permitting would not be required.



Naval Air Station (NAS) Jacksonville *Fuel Farm Storage Building Project*

8-koi provided all the labor, materials, equipment, supervision, and quality control necessary to construct the pre-engineered metal Fuel Farm Storage building within the airfield control area. The scope of work also encompassed horizontal site improvements, utilities, and pavements. This work was carried out within an operational Fueling area, ensuring that it did not disrupt the facility's operational and mission objectives.

DESIGN ENGINEERING



NASA Space Station Processing Facility *Design-Build Science Annex*

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 building and systems were modeled using BIM. LEED Silver® certification was awarded to the facility through 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 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).



Eastern Florida State College *CHW System Upgrades for Melbourne Campus*

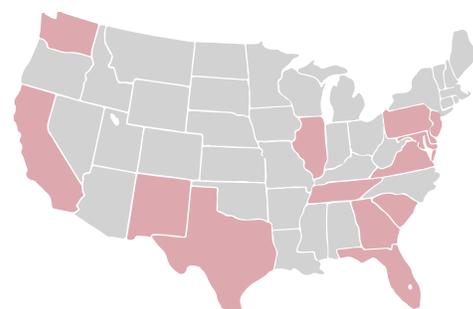
The 8-koi team studied the impact of adding two new buildings, totaling approximately 120,000 sqft, would have on the chiller and hot water systems. Based on that study, the team designed appropriate modifications and additions to the chiller plant. This involved developing a parallel loop on the campus' south side, with a separate pumping system configuration for future buildings, as well as replacing one of the cooling towers to maximize the plant's capacity within the existing footprint. One of the challenges involved the condenser water system, which was piped without redundancy considerations. The upgrade ensured that any chiller and cooling tower combination would work. This was done by devising an outdoor CW pumping system. In order to guarantee long-term reliability, the team designed an open enclosure with a roof structure to stave off tower spray and corrosion.



Cape Canaveral Air Force Station *Design SLC-46 Lightning Protection System*

The 8-koi team provided the complete electrical design for the Lightning Protection System (LPS) and beacon lights, including power, grounding and bonding per all code and regulatory requirements. The team of engineers performed transient load analysis for the catenary LPS and provided the criteria to design the structural steel tower and fiber reinforced plastic (FRP) mast on top of the tower. The tower and FRP mast were designed to support dead loads, live loads, thermal loads, splash pressures from the launch vehicle, hurricane wind loads, as well as all loads imposed on the tower and mast from the catenary system itself. Construction support for this project included submittal reviews, RFI, field observations, test result verifications, FRP mast manufacturing inspection and record drawings.

8-koi Operations Map



Cape Design Engineering is a wholly-owned subsidiary of 8-koi.