

# HICAPS Highlights

Providing a centralized approach to project management

Fall 2017



## Wright Brothers Memorial Visitor Center Commissioning Project

**H**ICAPS' Building Diagnostics Team was selected by the National Parks Service (NPS) to provide enhanced mechanical, electrical and building enclosure commissioning services for the renovation of the Wright Brothers Memorial Visitors Center in Kill Devil Hills on the Outer Banks of North Carolina. The 9,600-square-foot modernist building constructed in 1959 serves more than 500,000 visitors annually and was designated as a National Historic Landmark in 2001. The space includes a domed assembly/flight room with a life-size reproduction of the airplane Orville and Wilbur first set into flight, a museum area, a gift shop and public service areas.

Over the years, much of the Visitors Center's architecturally significant features and materials have been lost to "unsympathetic modern alterations." The goal of the NPS is to restore the building to its original aesthetics while upgrading to more robust and energy efficient building enclosure, mechanical and electrical systems. The project has been designed to comply with and receive a LEED® Gold Certification upon completion and boasts a geothermal heat pump system, state-of-the-art insulated, low-emissivity glazing systems, a continuous air barrier system, a new insulated and reflective thermoplastic polyolefin (TPO) roof system among other sustainable systems and materials.

HICAPS is teaming up again with Building EnergetiCx, an MEP commissioning firm out of Huntersville, North Carolina, to provide the NPS with a comprehensive MEP/Building Enclosure commissioning package. The

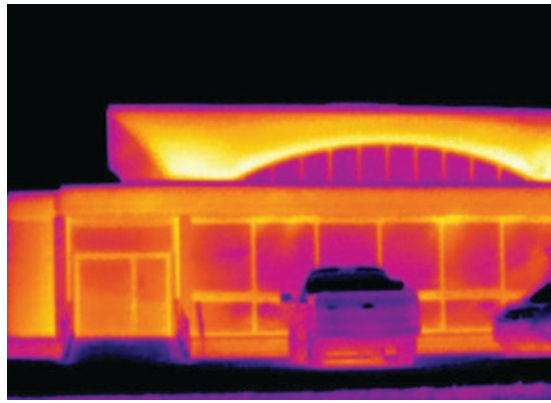
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project is being led by our Director of Building Diagnostics, Phil Wilson. The HICAPS team's scope of work involves reviewing design details and contractor submittals (shop drawings), developing assembly and system testing criteria, conducting construction observations, maintaining a deficiency/resolution log, overseeing and/or self-performing quality control testing, and overseeing the training of NPS operations staff on the upgraded systems.

HICAPS began field work at the Visitors Center by performing baseline air tightness testing and an IR thermographic investigation for



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moisture intrusion and air infiltration. With the project currently in its construction phase, this baseline test data is providing the general contractor with information required to address otherwise hidden air and water leakage sites.

The enhanced commissioning process HICAPS is providing is considered essential by the NPS for confirming that building enclosure, mechanical, fire protection and security systems continue to meet the Owner's requirements, as well as the design intent, throughout the duration of the project.



## Employee News

We are excited to introduce Amir Ibrahim, who has recently joined the HICAPS' team as a scheduling engineer.

Amir graduated with a Bachelor of Science degree in Computer Science. However, his true passion has always been project management, a field he has been enjoying for the past 16 years, supporting projects mostly for the federal government (DOT, FAA, NASA, and the Airforce).

Amir's other big passion is soccer. He played for the junior national team and throughout his college career. Amir has four beautiful daughters; his oldest daughter is 12 years old and his youngest is 16 months old. He loves learning new languages—he is fluent in French, Spanish, Arabic, and English, and currently working on his Italian.

Help us welcome Amir to the HICAPS team!

HICAPS is an unlimited Licensed General Contractor in Connecticut, Florida, South Carolina, North Carolina, Virginia, Georgia and Tennessee.

We're doing our part. This newsletter is printed on recycled paper.



# HICAPS

HOOD INFORMATION CONTROL AND PLANNING SYSTEMS

P.O. Box 35165  
600 N. Regional Road  
Greensboro, NC 27425

[www.hicaps.com](http://www.hicaps.com)

