

# AIR FORCE CIVIL ENGINEERING CENTER



## LINEAGE

Civil Engineering Center  
Air Force Civil Engineering Center

## STATIONS

Wright Patterson AFB, OH  
Tyndall AFB, FL, 29 Jun 1972-15 Mar 1979

## ASSIGNMENTS

## ATTACHMENTS

## COMMANDERS

## HONORS

Service Streamers

Campaign Streamers

Armed Forces Expeditionary Streamers

Decorations

## EMBLEM

Celeste, a globe Or gridlined Argent, surmounted by a sword palewise overall of the third, hilt and guard Gules, charged with a compass Sable; in dexter chief, a stylized aircraft in orbital flight emitting a contrail of the like arcing to sinister Equator, all within a diminished bordure Yellow.

Attached below the shield, a White scroll edged with a narrow Yellow border and inscribed

**“AIR FORCE CIVIL ENGINEER CENTER” in Blue letters.**

## **Symbolism**

**Ultramarine blue and Air Force yellow are the Air Force colors. Blue alludes to the sky, the primary theater of Air Force operations. Yellow refers to the sun and the excellence required of Air Force personnel. The globe represents the Center’s worldwide mission and the environment that the organization protects. The sword symbolizes the Center’s contingency responsibilities and field operating agencies’ use of cutting-edge technology. The compass is a tool historically used by engineers in planning, designing and constructing facilities. The flight symbol represents the essential connection of the Civil Engineer mission to the Air Force’s flying mission through the built and natural environment of the base.**

## **EMBLEM SIGNIFICANCE**

## **MOTTO**

## **NICKNAME**

## **OPERATIONS**

1973/1974

THE AIR FORCE CIVIL ENGINEERING CENTER WAS STATIONED AT TYNDALL AFB, FLORIDA. CHAPTER 1: THE CENTER'S MISSION WAS TWOFOLD: 1) PROVIDE SPECIALIZED TECHNICAL SERVICES AND PLANNING ASSISTANCE IN THE CIVIL ENGINEERING AREA WHICH REQUIRE SPECIALIZED EQUIPMENT KNOWLEDGE BEYOND THAT POSSESSED IN ANY ONE COMMAND; 2) FUNCTION AS LEAD CENTER FOR ENGINEERING DEVELOPMENT AND TEST AND EVALUATION OF FACILITY SYSTEMS AND CIVIL ENGINEERING REQUIREMENTS. CHAPTER 2: THE AFCEC'S R&D EFFORT INVOLVED WORKING ON AN ENGINEERING DEVELOPMENT PROGRAM OF ITS OWN AND ACTING AS A TESTING AGENCY FOR THE AIR FORCE WEAPONS LABORATORY (AFWL). FUNDS IN THE AMOUNT OF 711,000 DOLLARS WERE RECEIVED IN PROGRAM ELEMENT 64721F, COMMON MOBILITY SUPPORT. REFERENCES INCLUDE RESEARCH AND DEVELOPMENT--AIR FORCE CIVIL ENGINEERING CENTER AND CIVIL ENGINEERING--RESEARCH AND DEVELOPMENT. CHAPTER 3: THE CENTER PROVIDED ENGINEERING ASSISTANCE IN THE AREAS OF: RUNWAY SKID RESISTANCE SURVEYS, AIRFIELD PAVEMENT EVALUATION, EQUIPMENT AND VEHICLES, CORROSION PREVENTION AND CONTROL, PRIME BEEF TEAM TRAINING, RED HORSE UNIT TRAINING, SITE SELECTION, AND FIRE PROTECTION AND PREVENTION. THIS ASSISTANCE WAS PROVIDED TO THE USAF AND OTHER GOVERNMENT AGENCIES ON A WORLDWIDE BASIS.

1972-1973

THE AIR FORCE CIVIL ENGINEERING CENTER (AFCEC) MOVED FROM WRIGHT PATTERSON AIR FORCE BASE (AFB) OH TO TYNDALL AFB FL AND BECAME PART OF AIR FORCE SYSTEMS COMMAND (AFSC) ON 29 JUN 72.

MISSION OF AFCEC TO LEAD IN ENGINEERING DEVELOPMENT, TEST AND EVALUATION OF FACILITIES, SYSTEMS, AND OTHER ENGINEERING RELATED ITEMS.

COL WILLIAM E. RAINS ASSUMED COMMAND OF AFCEC ON 8 JUN 73.

RED HORSE AND PRIME BEEF EVALUATION AND TRAINING CLASSES STARTED AT TYNDALL AFB ON 9 JUL 72. AFCEC LABORATORY BECAME OPERATIONAL ON 6 NOV 72.

AFCEC: USAF Could Save Millions in Utilities The Air Force Civil Engineer Center has discovered more than \$22 million in potential savings for the Air Force, having completed an 8-year study of utility rates for almost 70 USAF bases in the continental United States. The research comes from the AFCEC Energy Directorate's utility rate management team, which worked in tandem with consultants at Exeter Associates, according to a release. The URMT started showing up at Air Force installations in 2007 to examine electric, natural gas, water, and wastewater invoices and contracts, looking for potential savings, and finding a non-linear set of results. "We found savings in multiple ways," said Nancy Coleal, the URMT chief. "Sometimes it was a billing error, sometimes a simple rate change. Every situation was unique; we really had to examine each base case-by-case." Since these contracts and rate structures are "designed differently" in each state—and sometimes are different within states—the team had to stay up-to-date on the latest trends in each place, said Dan Gerdes, AFCEC's rates and renewable division chief. Coleal wants the take-away for utility managers across the country to be that "URMT is here to help—we have your back," and that managers should always know they can ask URMT for advice on ongoing contracts or rates. 2015

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Air Force Order of Battle

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Updated:

#### Sources

Air Force Historical Research Agency. U.S. Air Force. Maxwell AFB, AL.

The Institute of Heraldry. U.S. Army. Fort Belvoir, VA.

Air Force News. Air Force Public Affairs Agency.