

**EXAMPLE PROJECTS WHICH BEST ILLUSTRATE
TK-ARCHITECTURE'S QUALIFICATIONS**

EXAMPLE PROJECT KEY #

TITLE AND LOCATION (*City and State*)

**Combat Aviation Brigade Central Energy Plant
Fort Carson, Colorado**



YEAR COMPLETED

PROFESSIONAL SERVICES

2016

CONSTRUCTION (If applicable)

2017

PROJECT OWNER'S INFORMATION

PROJECT OWNER

U.S. Army Corps of Engineers

POINT OF CONTACT NAME

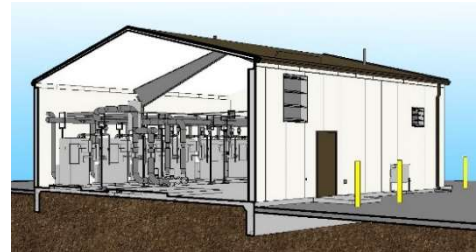
Kurt von Sternberg

POINT OF CONTACT TELEPHONE NUMBER

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Description

The 4th Infantry Combat Aviation Brigade (CAB) development at Butts Airfield on Fort Carson, Colorado had been identified as part of the Army's pilot program for achieving net-zero status in energy consumption. The concept approach to achieve this was to centralize the thermal energy utility production for much of the area into a single location that could be supplemented with renewable energy sources at a future date.



The Central Energy Plant (CEP) was the final stage in a series of projects built to provide thermal energy production to service the 4th Infantry CAB buildings. The design-build project included a new building to house additional hydronic boiler capacity to supplement the existing hot water boiler system located in the existing Combined Boiler Chiller Facility (CBCF). The new facility provides space for the new mechanical, electrical, and telecommunication equipment and included a dedicated control room and a unisex restroom.

The design-build project scope also included local building connections to be made at the Brigade Headquarters, Barracks, and the Airfield Control Tower.

The building was modeled utilizing **BIM** technology (Revit).

Project Size: 1,700 sf

Project Cost: \$3.4 million



FIRM'S INFORMATION

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1) FIRM NAME

TK-Architecture, LLC

2) FIRM LOCATION (*City and State*)

Colorado Springs, Colorado

3) ROLE

**Design Management |
Architecture**