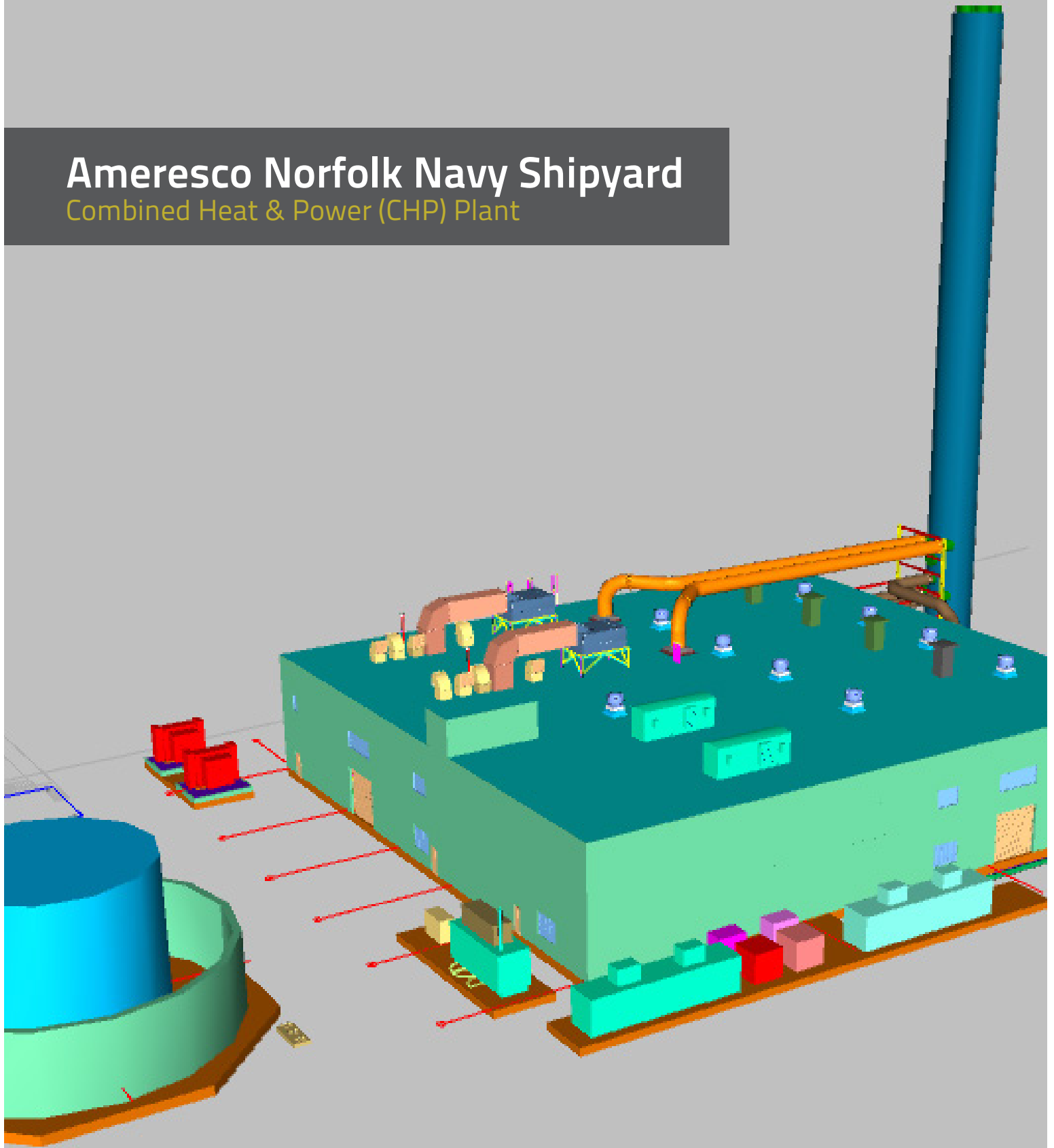


# Ameresco Norfolk Navy Shipyard

## Combined Heat & Power (CHP) Plant



Total Contract: \$50,400,000  
Project Start: August 2020  
Project Completion: August 2022



Resourceful.



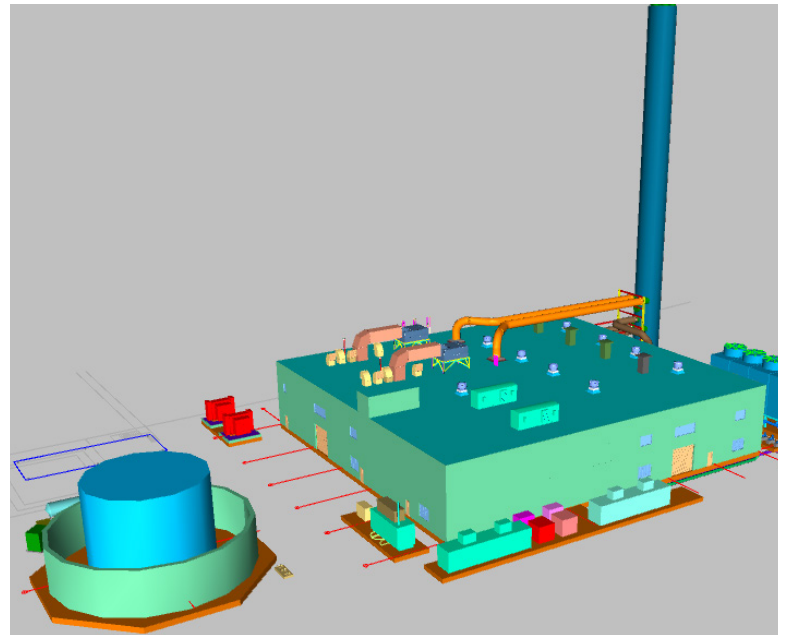
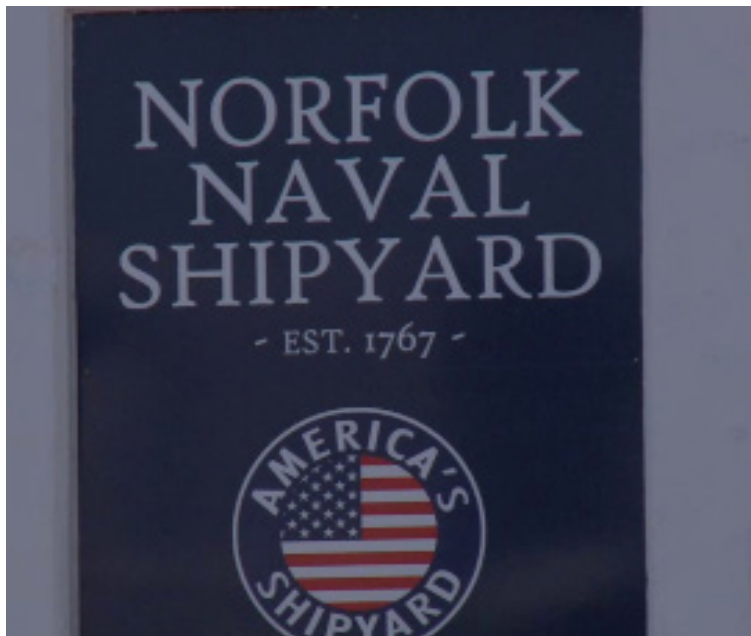
Responsive.



Results.



PORTSMOUTH  
VIRGINIA



## Ameresco Norfolk Navy Shipyard

Combined Heat & Power (CHP) Plant / Portsmouth, Virginia  
Project Size: \$50,400,000 / August 2020 - August 2022

This new combined heat & power plant will provide the Naval Shipyard with independent power & steam redundancy. This project's fuel supply is natural gas, combined cycle power.

Bowen is performing all construction on the project for Ameresco, who is program managing a Military Energy Savings program at bases across the country.

The project will be built on concrete piles to raise the elevation of the plant above the flood plain.

The project will take 2 years of ongoing construction at the Norfolk Navy Shipyard. Bowen will leverage its deep expertise in the Energy Market as well as past experience at multiple Military Bases to achieve project success.

## PROJECT SCOPE

- Site Work
- Piling / Sub-foundation
- Civil / Concrete
- Structural Steel
- Mechanical
- Boiler
- Turbine
- Electrical

## PROJECT SPECS

- (2) Gas Turbines
- (2) HRSG Generators
- (1) Steam Turbine Generator
- (3) 60,000 lb/hr Low NOx Steam Boilers
- (1) Standby Diesel Generator
- Water Treatment System
- Boiler Feedwater System
- Compressed Air System
- 30,000 SF Building Enclosure
- 13.8 kV Switchgear
- Low Voltage Plant Switchgear
- MCCs, VFDs, Panelboards, Transformers

## PROJECT TEAM

- Bowen PM: Josh Thomas
- Bowen Super: Cecil Crawford



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