



CASE STUDY

Zahl Physical Science Laboratory, ADELPHI, MARYLAND

BIOTECH/HEALTHCARE

LABORATORIES

**OPERATING COMPANIES:**

DeBra-Kuempel,
The Poole & Kent Corporation
A Joint Venture

CLIENT:

U.S. Army

ARCHITECT/ENGINEER:

A.D.P.

GENERAL CONTRACTOR:

Blake Construction

CONTRACT AMOUNT:

\$3.9 million

TECHNICAL SOLUTIONS

Relationships

Quality Service

VALUE ENGINEERING

Experience

Project Schedule & Coordination

EXPERTISE

- New Construction
- Retrofit
- Electrical Construction
- Mechanical Construction
- Facilities Services
- Consulting Services

SCOPE OF WORK

• EMCOR Companies, DeBra-Kuempel and The Poole and Kent Corporation, provided operation, preventative maintenance, and remedial maintenance for the 375,000 square foot, state-of-the-art Zahl Physical Sciences Laboratory.

• Under the direction of the Army, the companies provided facilities maintenance for all mechanical systems (building HVAC and energy), electrical systems, toxic gas handling and monitoring systems, acid and heavy metal waste recovery systems, life safety and security systems and all specialty systems.

BACKGROUND

The effectiveness of our modern military force is based on keeping them many steps ahead of any potential adversity. The Adelphi Facility is a critical element in providing our military with the technological edge. If it can be measured, the scientists at the Zahl Physical Sciences Laboratory will attempt to apply it to a useable device that has and will continue to keep us decades ahead of our enemies.



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Zahl Physical Science Laboratory, ADELPHI, MARYLAND

OBJECTIVES

We worked to sustain the operation of the crucial work performed by the U.S. Army at the Zahl Physical Sciences Facility. The laboratory located at the facility is an integral part of the Military consolidation of bases and redundant facilities. The Zahl Laboratory performs cutting edge research in sensors, batteries and microelectronics devices that will become part of existing and future weapons and detection systems used the United States military. In 2002, an effort was made to privatize the Facilities Operation and Maintenance. Since 2002, we have been successfully maintaining, operating and upgrading the facility to meet the ever-changing needs of the U.S. Army and their research scientist.

SOLUTIONS

EMCOR Companies, DeBra-Kuempel and The Poole and Kent Corporation brought the best of each to the project. DeBra-Kuempel brought their years of experience with facilities maintenance, and The Poole and Kent Corporation, as the mechanical contractor on the initial construction of the Physical Sciences Laboratory, brought their expertise and intimate knowledge of the facility and all the operating systems along with the semiconductor facilities operation and maintenance. This translated into a quick and effective transition from the Government Facilities Group to our professional and efficient approach to this type of O&M Contract. DeBra-Kuempel and The Poole and Kent Corporation not only brought a highly motivated and trained group to implement the contract but also was able to provide in-house general contracting ability to deal with a myriad of changes and upgrades to the facility.



DeBra-Kuempel's over 500 employees provide a wide range of mechanical, electrical, plumbing and process piping services including design/build engineering for new construction and renovation, installation and specialty construction, and energy efficient services.

For over half a century, The Poole and Kent Corporation has established the business relationships necessary to deliver timely and successful construction projects to new markets.

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