

# CAPABILITIES

- Production & Development of Insensitive Munitions Explosives (IMX)
- Synthesis & Manufacture of High Explosives (Grams to Millions of Pounds)
- Full-Spectrum Explosives Research & Development Facility
- Explosives Performance Testing
- Custom & Fine Chemical Manufacture
- Recrystallization & Purification from Organic Solvents
- Capability for Large-Volume Acid Recycling & Anhydride Production
- Reconfigurable Chemistry Capability

# PRODUCTS

HSAAP produces approximately 70 different explosive products.



HSAAP is a member of the Army Materiel Command's Organic Industrial Base (OIB). The OIB consists of 23 facilities that conduct a myriad of logistics activities to include worldwide shipment and receipt operations; production, storage, and demilitarization of ammunition; and overhaul, modernization, and upgrade of major weapons systems. HSAAP is a Government-Owned, Contractor-Operated (GOCO) facility, and is a subordinate command of the U.S. Army Joint Munitions Command (JMC).

The Organic Industrial Base is essential to our Nation's readiness and delivers combat readiness. HSAAP plays a vital role in ensuring our nation's Warfighters have the weapons they need to successfully carry out missions around the world.

# HSAAP



## HOLSTON ARMY AMMUNITION PLANT



**HOLSTON ARMY AMMUNITION PLANT**  
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# HSAAP

# MISSION

# PRODUCTION

## HISTORY: IT ALL STARTED HERE

In 1943, Holston Ordnance Works (HOW) began explosives production. The U.S. government contracted Tennessee Eastman Corporation to research a way to make large quantities of the explosives needed to combat German U-Boats in the North Atlantic Ocean.

The facility was originally designed to produce the most powerful explosives available, prior to the development of the atomic bomb. By January 1944, HOW produced and shipped 1.1 million pounds of explosives per day.

HOW was decommissioned at the end of World War II, but reactivated for the Korean Conflict. The plant was renamed Holston Army Ammunition Plant (HSAAP) and has been in continuous operation since 1950. The U.S. military has used HSAAP explosives in every conflict since WWII.

## CORE COMPETENCIES:

HSAAP synthesizes and manufactures high explosives and has a full-spectrum explosives research and development capability.

HOLSTON ARMY AMMUNITION PLANT (HSAAP) PROVIDES QUALITY EXPLOSIVES TO MEET THE CURRENT AND FUTURE REQUIREMENTS OF THE DEPARTMENT OF DEFENSE, ALLIED PARTNERS, AND COMMERCIAL CUSTOMERS IN A MODERN, SAFE, SECURE, ECONOMICAL, AND ENVIRONMENTALLY COMPLIANT MANNER.

## ENVIRONMENTAL STEWARDSHIP:

The doubling of our wastewater-treatment capacity through expansion of the wastewater-treatment facility is a major leap forward in Holston's commitment to environmental stewardship. The overall wastewater expansion project is designed to meet the current and future capacity requirements.

## MODERNIZATION:

Given the combination of a 75-year-old facility, 24/7 production demand, and the research and development of future products, modernization is an essential element to Holston's success. Modernization focuses on upgrading existing infrastructure (roads and grounds) and utilities (power, water, electrical, etc.), improving the facility's environmental footprint (air, water, soil), and expanding production capability for the development of new products.

## RESEARCH & DEVELOPMENT:

HSAAP has a complete research and development lab used to synthesize, formulate, and analyze new explosives and related materials. In 2010, IMX-101 insensitive munition was approved by the Army as the replacement for TNT in artillery. The enhanced stability of IMX-101 protects warfighters on and off the battlefield.

TIME MAGAZINE NAMED IMX-101 ONE OF THE TOP 50 BEST INVENTIONS OF 2010.



## IMX-101

INTERNATIONAL MUNITIONS SAFETY  
AWARD FOR TECHNICAL ACHIEVEMENT

The successful application of IMX products necessitated the expansion of IMX production capacity. New facilities add increased manufacturing capability for IMX products and its supporting acids infrastructure. A closed-loop waste acid-treatment and recycle-treatment system was also added to fulfill HSAAP's commitment to environmental stewardship.

