



TSX: PYR • NASDAQ: PYR • FRA: 8PY

## TACTICAL PACWADS

### (TACTICAL PLASMA ARC CHEMICAL WARFARE AGENT DESTRUCTION SYSTEM)

*Rapidly & safely destroys a wide range of chemical warfare agent's (CWA) and their precursors.*

The Tactical Plasma Arc Chemical Warfare Agent Destruction System (Tactical PACWADS) is a safe, versatile, and efficient mobile system, deployable on a moment's notice to eliminate CWA stockpiles, such as Sarin (GB), Mustard (HD), and VX.

The Tactical PACWADS offers:

CAPACITY	Up to 2 barrels of CWA/day
WASTE	Any liquid waste, including hazardous waste
SIZE	2 x 20 ft trailers
APPLICATIONS	Military Defense Hazardous Waste Destruction Companies

The technology is based on the proven Plasma Arc Waste Destruction System (PAWDS) developed by PyroGenesis for the US Navy and is currently installed on the USS Gerald Ford (CVN 78). A second PAWDS is scheduled to be installed on the USS John F. Kennedy (CVN 79), demonstrating the technology readiness level (TRL) of 9 (maximum level), which represents the reliability and maturity of the system.



**DESTROYS ORGANIC &  
AQUEOUS BINARY CWAs  
WITH NO MODIFICATION  
TO THE SYSTEM**

**IN SITU DESTRUCTION**

**CAN DESTROY ANY LIQUID  
WASTE**

**MOBILE**

**5N DESTRUCTION & REMOVAL  
EFFICIENCY (99.999% DRE)**

**SAFE & EASY-TO-OPERATE**

**FULLY AUTOMATIC**

**≈ 2 HOURS TO SET UP AND  
DISASSEMBLE**

**NON TOXIC SATURATED SALT  
EFFLUENT**

#### **Applications:**

**Chemical Warfare Agents Destruction**

**Biological Warfare Agents Destruction**



For more information, please contact:

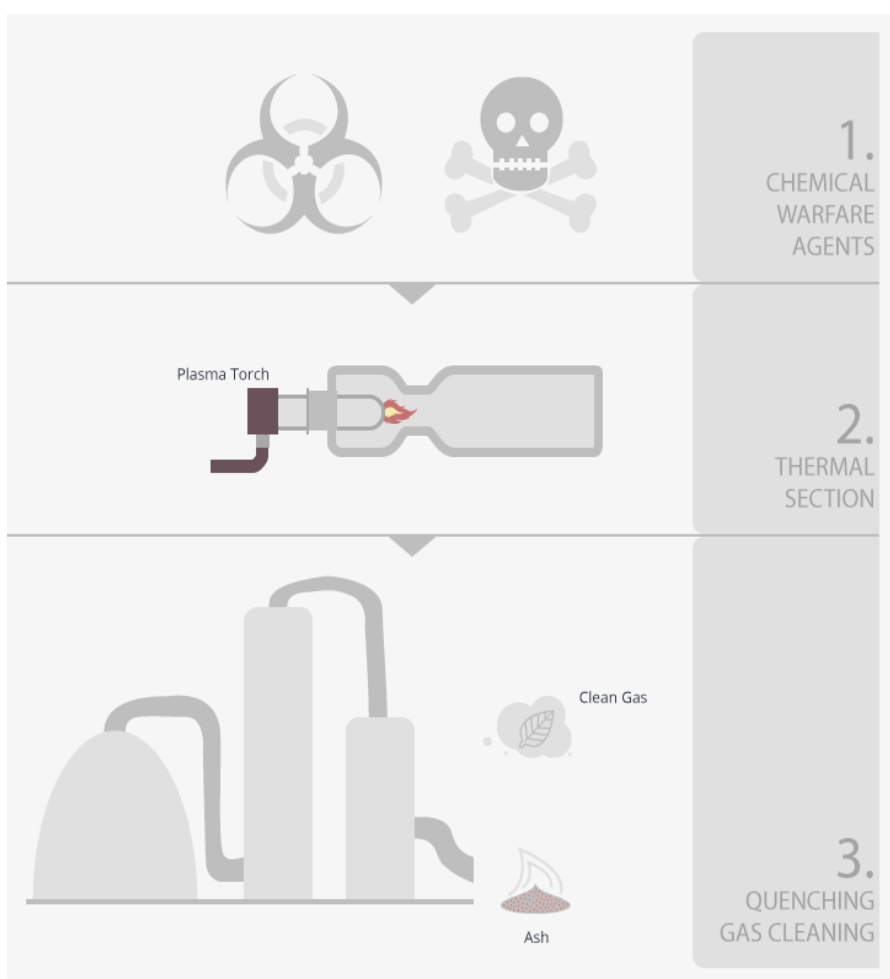
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## HOW IT WORKS:

The CWA is continuously fed into a plasma-fired reactor whereby the hazardous chemical bonds from the CWAs are rapidly broken down under extreme high temperature and turbulent conditions.

The acid gases are released downstream by wet gas scrubbing using self-contained chemical storage. The effluent from the Tactical PACWADS is a non toxic saturated salt solution.



***PyroGenesis Canada Inc. is a world-renowned high-tech company operating in the field of high temperature processing of materials and waste, which counts the US Navy and the US Air Force amongst its discerning client base.***



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