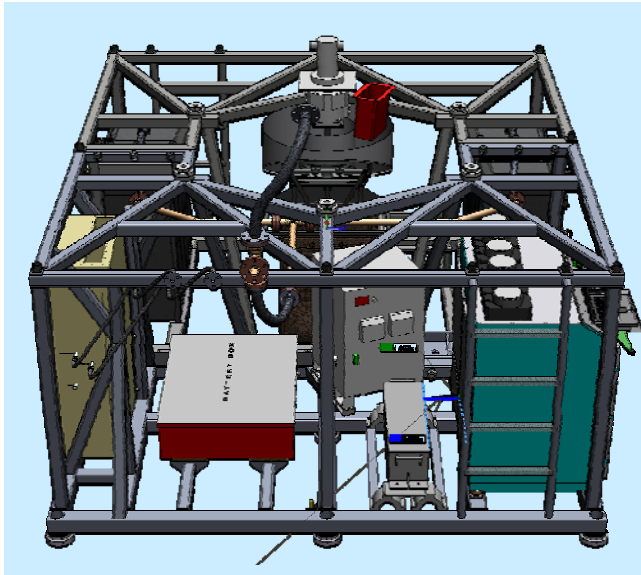


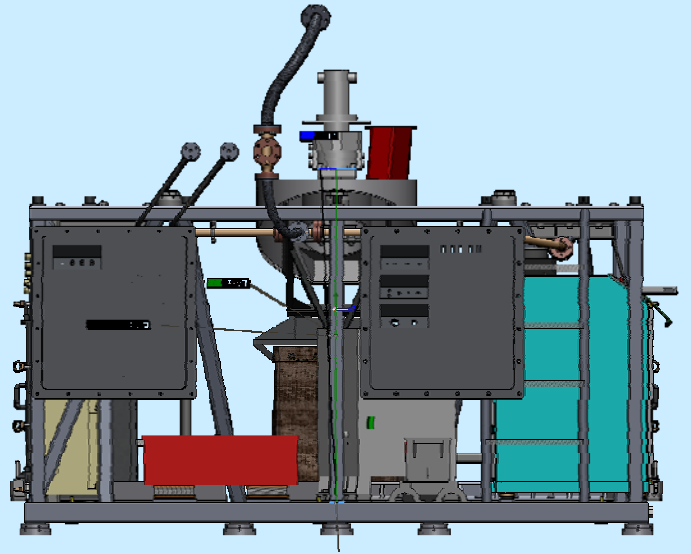
GMM Physical Models



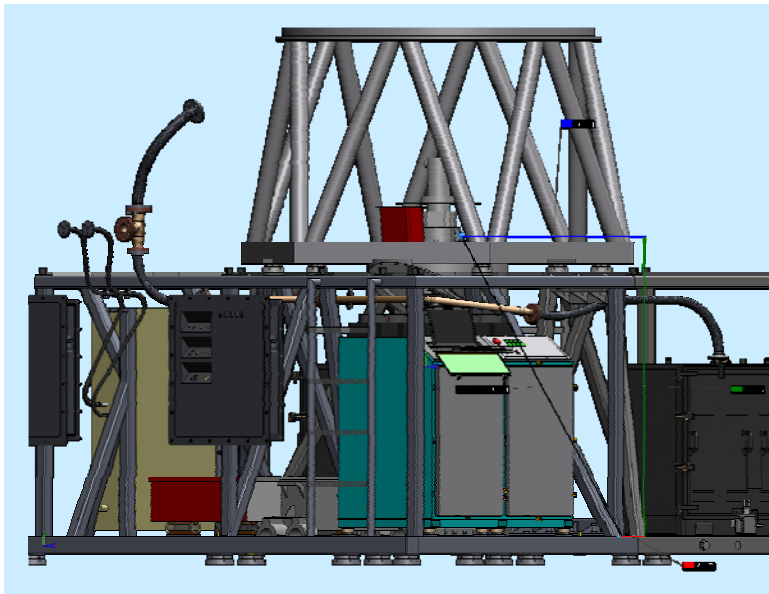
SUW MP



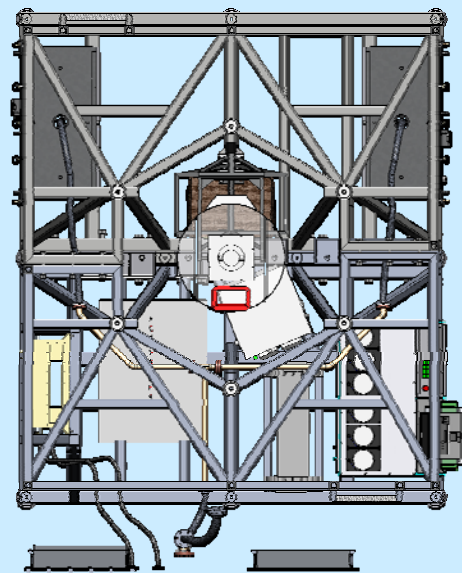
Front Elevation



Front Elevation



Side Elevation with Barbette

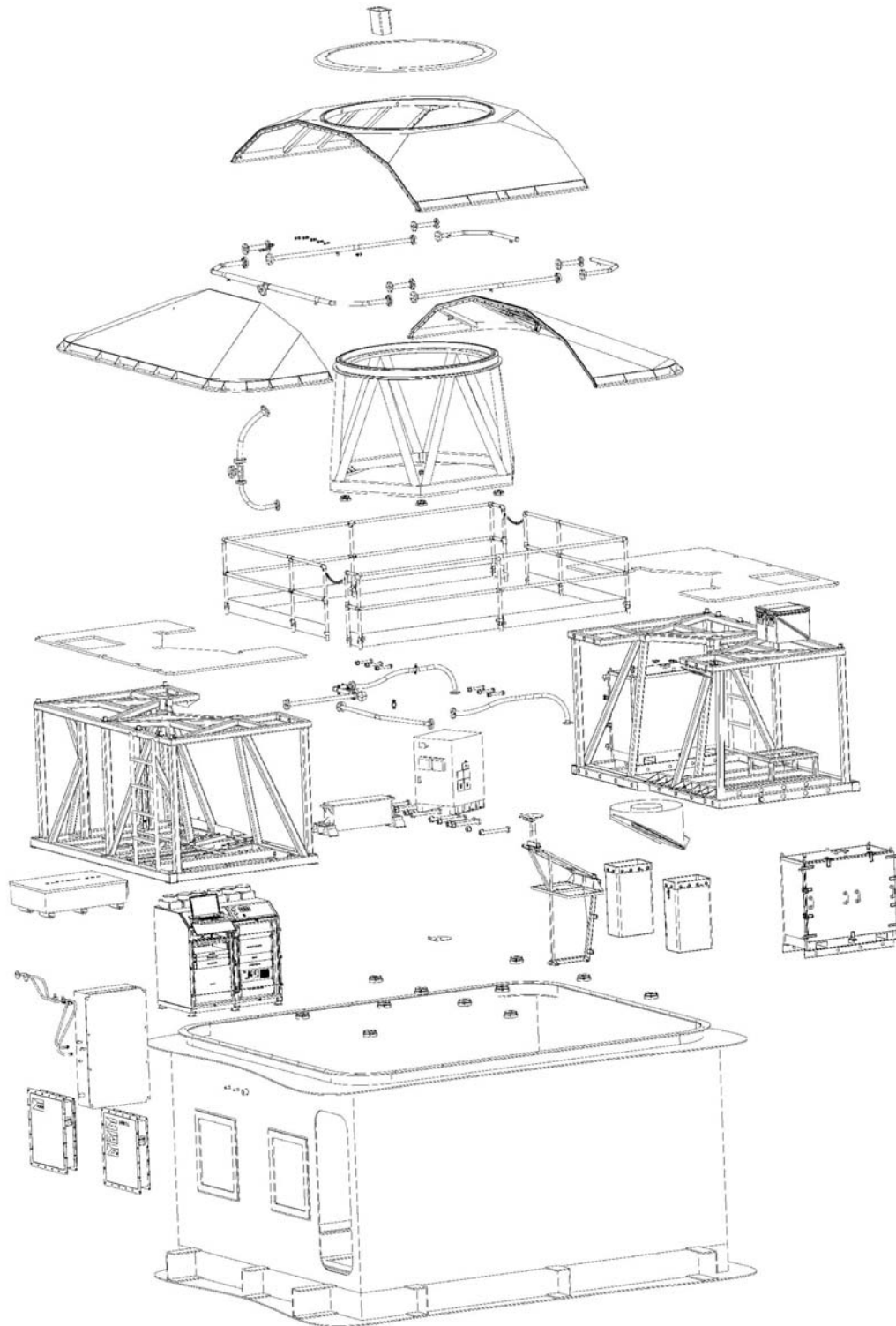


Top-Down

GMM Exploded View



SUW MP







Exploded View



PEO-IWS3C/PM4 - 30mm x 173 AMMUNITION MATRIX



SUW MP

Cartridge Type	DoD/NATO Configuration/Use	Estimated Unit Price	Current USN Inventory	Capabilities/Remarks
<p>HEI-T</p> <p>MK266 MOD 1/2 MK238 MOD 0</p> 	<p>Linked 1 to 1 with MPLD-T DODIC AA89 1305-01-519-8159 Hazard Class: 1.2.2E 15 rds/belt; 2 belts per M592 can Jointly procured with USMC and potentially US Army and NATO Allies.</p>	<p>Small Qty \$130/rd. Large Qty \$75/rd.</p>	5600 AA89	<p>The 30mm HEI-T cartridge is a super quick fuzed high explosive PBXN-5 loaded (44g) round designed to detonate on contact with hard/semi-hard targets. It produces a high order blast-frag detonation with added incendiary effects that blows a large hole in semi-hard targets and a fragmentation spray on hard targets. It is a full caliber round with a nominal muzzle velocity of 3500 ft/sec and a time of flight of 1.8/2.7/5.1/8.6 seconds to 1500/2000/3000/4000 meters respectively.</p> <p>The full caliber 30mm HEI-T round is most effective against lightly skinned, semi-hard targets and area personnel. It provides limited target penetration but good anti-personnel area fragmentation in the impact area.</p>
<p>MPLD-T</p> <p>MK264 MOD 0</p> 	<p>Linked 1 to 1 with HEI-T DODIC AA89 1305-01-519-8159 Hazard Class: 1.2.2E 15 rds/belt; 2 belts per M592 can Jointly procured with USMC and NATO Allies Army. Potential use by US Army and NATO Allies.</p>	<p>Small Qty \$120/rd. Large Qty \$75/rd.</p>	5600 AA89	<p>The 30mm MPLD-T (sometimes referred to as SAPHEI-T) round is a PBXN-5 loaded (16g) delay function round designed to penetrate hard/semi-hard targets and deflagrate into large fragments with sustained incendiary effect. Like the other 25mm, 20mm, and .50 caliber MP cartridges in DoD/USN inventory, it has the unique capability to start and sustain diesel fuel fires. It is a full caliber cartridge ballistically matched to the 30mm HEI-T.</p> <p>The full caliber 30mm MPLD-T round is most effective against light, semi-hard and hard targets. It provides penetration and delayed deflagration with large fragments and sustained incendiary fire start capability against internal components, fuels, and other energetic materials. It is considered the full caliber round of choice against explosive laden suicide boats.</p>
<p>APFSDS-T</p> <p>MK258 MOD 0/1 MK 268 MOD 0</p> 	<p>DODIC AA71 1305-01-495-9560</p> <p>DODIC AA72 1305-01-496-0235 Hazard Class: 1.2.2C</p> <p>15 rds/belt; 2 belts per M592 can</p> <p>AA71 is Norwegian design AA72 is Swiss design</p> <p>Joint procurement with USMC and NATO Allies. Potential use by US Army</p>	<p>Small Qty \$300-400 /rd.</p> <p>Large Qty \$175/rd.</p>	<p>330 AA71 420 AA72</p> <p>Note: RAMICS program has purchased 5000 AA71 rounds that can be used in surface Navy applications.</p>	<p>The 30mm APFSDS-T cartridge is a sub-caliber high kinetic energy tungsten penetrator round designed to defeat monolithic or multiple plate hard and semi-hard targets. Its high nominal muzzle velocity of 4700 ft/sec and fin stabilized flight afford exceptional accuracy and extremely short time of flight compared to full caliber rounds. Time of flight for the APFSDS-T is 1.1/1.5/2.4/3.3 seconds to 1500/2000/3000/4000 meters respectively; less than half that of the full caliber round at mid to long ranges.</p> <p>The 30mm APFSDS-T round is most effective against fast moving, highly maneuverable surface targets requiring short time of flight for a good probability of hit. Terminal effect is a high kinetic energy effect on the target capable of defeating external and internal firepower and mobility components.</p> <p>This round is used in the USN Rapid Airborne Mine Clearance System (RAMICS) as a super cavitating "swimmer round" to defeat submerged mines and other sub-surface targets.</p>
<p>TP & TP-T</p> <p>PGU-15B TP MK239 MOD 0 TP-T</p> 	<p>Linked 1 to 1 TP/TP-T DODIC AA65 1305-01-488-8385</p> <p>Linked TP-T DODIC AA90 1305-01-524-0220 Hazard Class: 1.4C 15 rds/belt; 2 belts per M592 can</p> <p>Joint procurement with USMC and USAF. Potential for use by US Army and NATO allies.</p>	<p>Large Qty \$20/rd</p>	<p>61,000 AA65</p> <p>0 AA90</p>	<p>The PGU-15B is a USAF untraced TP round used in the A-10 aircraft. The MK239 MOD 0 is a USN/USMC traced TP round ballistically matched to the PGU-15B. Initial quantities of USN/USMC training ammunition utilized the USAF untraced round linked 1 to 1 with a traced TP round because the PGU-15B rounds were provided by USAF free of charge. USAF is now using these PGU-15B stocks in their newly acquired MK44 30mm guns on the AC-130/U Gunship. Future procurement of training ammunition for USN/USMC will be the AA90 TP-T.</p> <p>The 30mm TP/TP-T round has penetration capability against light skinned and semi-hard targets and can be used for warning shots and disabling fire.</p>