



# HMT Mk2 Extenda 105mm Howitzer

SPECIFICATION SHEET



**Collaborating with AM General and Mandus Group to integrate the next generation of fire power.**

### Increased Lethality & Survivability

Up to 60% reduction in recoil forces allows the integration of the 105mm gun onto this nimble vehicle platform.

"Shoot and scoot" – quickly deploy, fire, and displace.

Multiple levels of operation – electronic, conventional and manual.

### Cost Effective & Flexible

Fewer moving parts on the gun reduce maintenance costs and downtime.

Soft Recoil Technology can convert current towed systems to self-propelled systems like the HMT Extenda Mk2.

Integrated weapons systems allow simpler logistical deployments.

Soft Recoil Technology can be applied to multiple artillery systems utilizing your indigenous vehicle.

Opportunities to reduce crew numbers

Enhanced transit times when not towing

Simple conversions of 'In Service' towed systems

### HMT Extenda Mk2 Concept

Range	17,200m (22,600m with extended range munitions)
Fires	High Explosive, Smoke (Base Ejection), Illuminating, Target Marking, Anti-Armour (High Explosive Squash Head)
GVM	12000 kg
Weight of SRT module & gun	1250 kg
Remaining payload (in current armour configuration)	2550 kg

## CONVENTIONAL RECOIL CYCLE

- The cannon sits in-battery and moves to the rear when fired.
- The recoil system stops the rearward motion then moves it forward back into the in-battery position, which creates a counter-recoil motion.
- All rearward forces are transferred to the gun mount, trailer carriage or vehicle platform.

**Vs.**

## SOFT RECOIL CYCLE

- The cannon is released from "latch" position and moves forward to a predetermined run-up distance.
- Upon run-up distance, the system fires and uses a hybrid soft recoil system to absorb forces and return cannon to "latch" position.
- This technology illustrates the concept of conservation of momentum which significantly reduces recoil forces.

