



ZEUSNUMERIX

A Smart Munitions Company

SATEEK

Sensor Aided Terminal EngagEment Kit

Family of PGK fitted Mortar Ammunition
Fits Smooth Bore 81 | 82 | 120mm Mortar

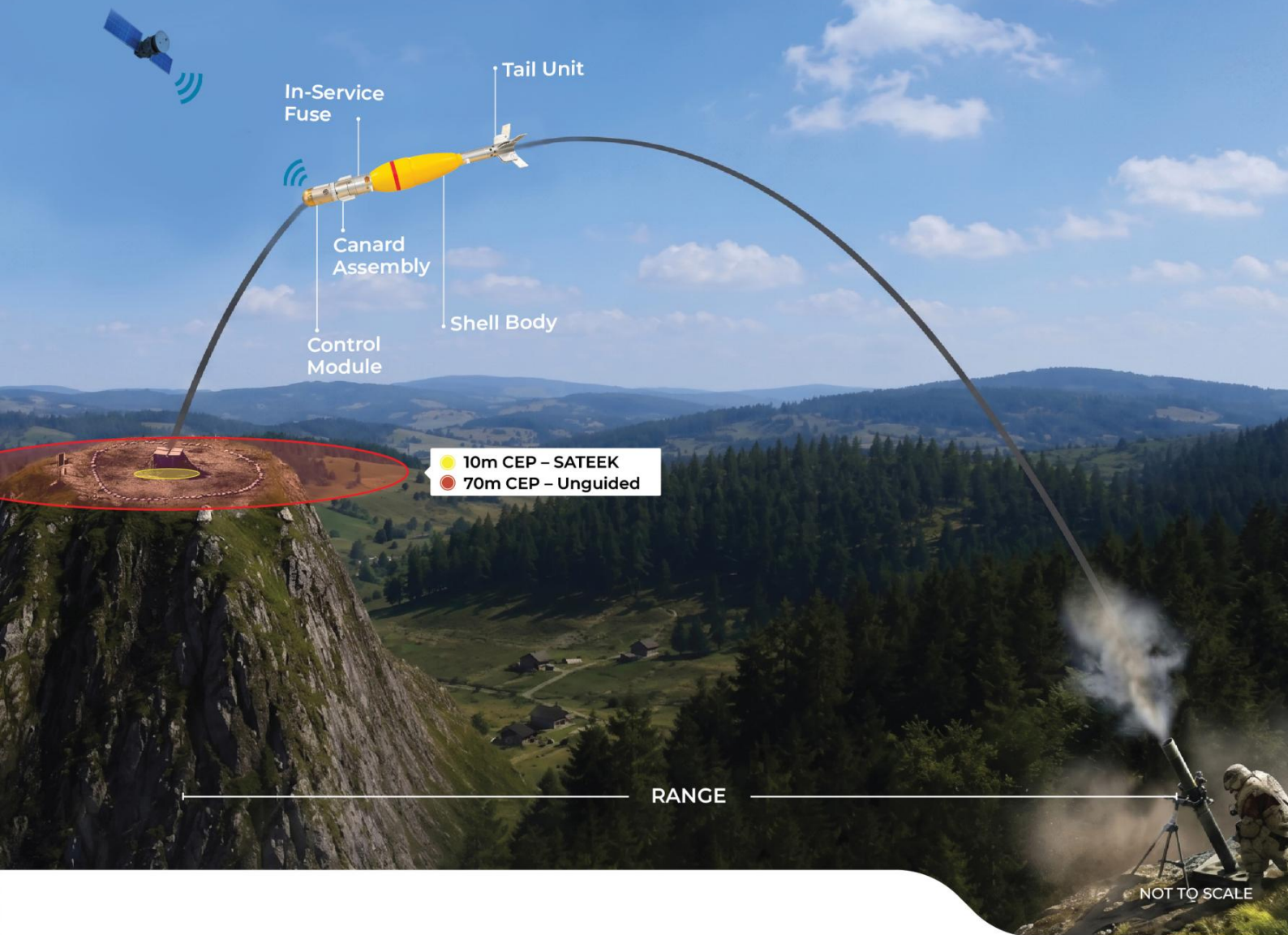


Unmatched
**PRECISION AND
VERSATILITY**



PROGRAMMING DEVICE
(PD)





SPECIFICATIONS



Range: 81mm - 4000m } Indian Mortar Ammunition
120mm - 6000m }

CEP: Less than 10m

Weight: Marginal increase of ~0.7Kg

GNSS: Multi-Constellation

Gun Rugged: Electronics survives 20000g launch loads

FEATURES



Ready to fire in 30 seconds

Fully Autonomous after Firing

Corrects Line and Range simultaneously

Quality Assurance Certified

No change in SOP for Handling, Transport and Storage

Except Programming - no change in Firing SOP

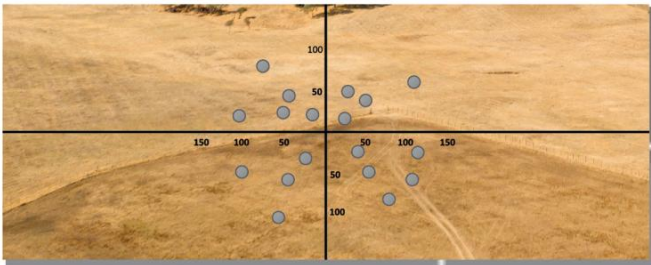


PROGRAMMING DEVICE (PD) FEATURES

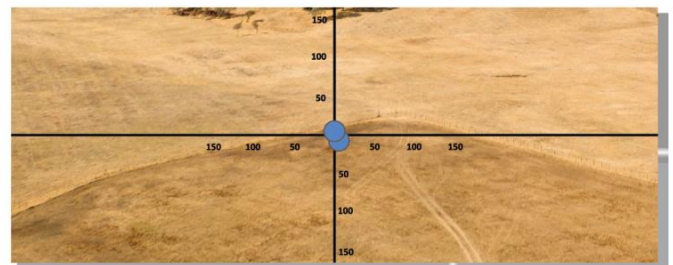
- › Stores upto 25 Pre set targets
- › PD provides laying angles using digital range table
- › Programming not allowed for incorrect inputs
- › Multiple charging options with swappable batteries
- › QA tested as per JSS 55555
- › Programs within 10 seconds

REDUCED LOGISTICS

Standard Conventional Laying



Precision Guidance Kit



From Standard Literature



- › Element of Surprise Intact
- › Con-Ops: Initial casualty using PGK
Area Suppression follows using conventional
- › Inducted in the Indian Military and Para-Military

ABOUT US

Zeus Numerix is "A Smart Munitions Company". A pioneer in guidance of ammunition in India, Zeus leads in the manufacturing of Precision Guidance Kit (PGK) for mortars. Forces use the PGK to fire initial rounds maintaining surprise element on the enemy and extracting casualties. Other flagship product UAV Weaponization Kit (UVW) consists of ejector rack and droppable munitions. UVW fulfills the mission of scalability and lethality being drone agnostic and having superior warhead designs. Zeus leverages its 22 years experience and IP ownership to continuously upgrade and expand its smart munitions product portfolio.



Full IP ownership and
inhouse R&D



Inhouse manufacturing
and ruggedization



QA Certification: AS 9100D,
ISO9001, ISO 27001, CMM-III



Comprehensive support,
maintenance and training



Strategic Partnerships with
all stakeholders





ZEUSNUMERIX

SLAM

SAFE AND LETHAL AERIAL MUNITIONS

UAV AGNOSTIC SOLUTION FOR

Lethality Economy, Safety and Scalability

- » UAV Weaponization Kit as per MIL STDs
- » Single or Three Bomb carrying Ejector Rack Unit (ERU)
- » Precision Guided UAV Dropped Munitions (PGUDM)

LESS is More



Lethality

- » Anti-personnel, Anti-Roof and Anti-Vehicle roles
- » 3 to 25 Kg Munitions with 30-50% HE Content & Warhead weight
- » Aerial alternative to mortar, RPG rockets, tank/artillery shell



Economy

- » Highest Lethality per Kg Munition
- » Standardised UDMs for Mass Production & Storage
- » Considerably economical compared to micro-missiles



Safety

- » Dual safety in ERU and Triple safety in UDM as per MIL STD
- » Health monitoring & Emergency jettison in UDM
- » Release confirmation & pre-programmed self destruct



Scalability

- » UVW Compatible to any UAV with required lift capacity
- » Integrated to 15+ UAVs of various classes and types
- » Compliant to DoS mandate on Armed Drone



Flight Test in HAA @ 4200 AMSL



Cargo drone with ER 55 Tribaahu



Fixed Wing VTOL with ER 8 Agnibaahu



Helicopter with ER 25 Vajrabaahu

Precision Guided UAV Dropped Munition- Anti Bunker (PGUDM)



Specs and Features

- » 7 Kg class Gravity Dropped Munition with GNSS, EO/IR, Laser based Guidance
- » 2Kg Warhead Destroys bunkers (Roofs) up to 300mm thick RCC
- » Ideally Drops from 1000m AGL (Beyond Small Arms Range)
- » Correction Capability of 200m when dropped from 1000m AGL
- » No requirement of Specialised drone to engage fortified targets

ABOUT US

Zeus Numerix is a Defence Company specializing in Smart Munitions. Zeus has end-to-end technology stacks and experience for these products like configuration design, rugged electronics, guidance and control algorithms to fabrication and firing trials. Precision Guidance Kit (PGK) for mortar and UAV Weaponization Kit (UVW with ejector rack and munitions) are two of our flagship products. Zeus has worked on 300+ defence problems in its 22 years of existence.

SPEAR Philosophy for Munitions Development

Small

Easy Logistics | Occupy Less Volume
Man Portable

Precise

Falls on target | Less collateral damage
Less number required

Effective

Less production cost
Less firing cost | Lethal

Autonomous

Deliver by machine | No human
life risked | Less errors

Reliable

On time delivery | Safe in handling
Lethal when desired

35+

DEFENCE
DESIGN
SOFTWARE

300+

DEFENCE
PROJECT

OUR ACHIEVEMENTS

40+

DEFENCE
CUSTOMERS

20+

YEARS OF
KNOW-WHY

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