



ADVANCED CENTRIC SYSTEMS B.V

Sea / Air/ Land

## T-QUALM

# PRECISION GUIDED MUNITIONS TACTICAL QUADCOPTER LOITERING MUNITION



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### THE PROBLEM

Detecting, pinpointing and engaging hostile targets under difficult environmental conditions is a tactical necessity during combat encounters in densely populated urban and built-up environments as well as under dense foliage terrain conditions.

Additionally, one of the major challenges currently facing combat operators is the extremely short life cycle of targets on the modern battlefield. Today's targets simply do not remain visible long enough to be acquired and engaged by standard weapon systems.

## THE SOLUTION

The operational concept of employing loitering munitions, as applied to SEAD (Suppression of Enemy Air Defenses) missions and to the engagement of rapidly-disappearing targets, may now be applied to close-range, close-quarters tactical situations.

The T-QUALM – Tactical Quadcopter Loitering Munition system by ACS is a compact, tactical but fully capable loitering munition based on a lightweight, man-portable quadcopter platform. T-QUALM is carried, deployed and operated by a single operator. The surveillance payload fitted into the platform enables the operator to pinpoint the target and he can then proceed to eliminate the target by using the platform itself as a strike munition.

## KEY FEATURES & MAJOR ADVANTAGES

### Key Features & Benefits:

- Full sensor-to-shooter cycle
- Preprogrammed flight
- Controlled (man-in-the-loop) target acquisition & engagement
- User-friendly operation
- High precision & lethality
- Electro-optical/IR/HD video surveillance payload
- Mission abort option with fully controlled recovery
- Primary characteristics:
  - Warhead weight: 1 kg
  - Operational range: 1,500 m
  - Maximum range: 10 km