



ADVANCED CENTRIC SYSTEMS B.V

**ROBOTIC MULTI-TASK AUTONOMOUS DOZER**  
**Product brochure**



## THE PROBLEM

On today's battlefields, combat engineering operations are mostly executed in a threat-saturated environment and subject to extreme risk levels that are often unacceptable.

One way to avoid unacceptable risks and save lives is to keep the human element out of loops where it is not absolutely essential through the use of robotic systems – autonomous or remotely-controlled unmanned platforms.

Missions regarded as Dull, Dirty or Dangerous (DDD) should be assigned to unmanned systems.

## THE SOLUTION

ACS presents RMTAD – Robotic Multi-Task Autonomous Dozer.

RMTAD is a dual-mode (manned/unmanned) remotely-controllable, armored heavy engineering bulldozer based on the Caterpillar D9 tracked platform. The RMTAD configuration was specifically equipped to execute various combat operations where the human element should be kept out of harm's way.

RMTAD retains all of the capabilities of the original Caterpillar D9 heavy tracked bulldozer in a modified, heavily armored and remotely-controllable configuration.

RMTAD can be employed to perform the following tasks, among others:

- Breach routes through difficult terrain
- Remove natural & man-made obstacles
- Clear routes threatened by roadside charges and other EODs
- Demolish fortified enemy positions
- Carry out demining operations
- Perform various specialized tasks using dedicated add-on tools

The specially-designed crew cabin along with the engine, fuel tank, oil reservoir, hydraulic and electric systems of the RMTAD platform are all heavily protected by ballistic armor.

Remotely-controllable from distances of up to 3km (LOS) or 700m (NLOS), RMTAD offers an effective, life-saving solution for many heavy combat engineering needs.

## KEY FEATURES & MAJOR ADVANTAGES

### Key Features & Major Advantages

- Modified, armored, dual-mode configuration of the Caterpillar D9 heavy tracked bulldozer
- Manned or unmanned (remotely-controlled) operation – selectable by operator, no modifications required
- Combat version fitted with up to six day/night cameras for remotely-controlled driving, operation and surveillance (can display up to four camera views simultaneously)
- Cutting-edge user interface & advanced ergonomics
- On-board navigation system
- All-terrain operation
- Line-of-sight (LOS) operational range: up to 3km
- Non Line-of-sight (NLOS) operational range: 500-700 meters
- Fitted with weapon mounts, light projector, smoke grenade canisters and communication systems
- Up to four hours continuous operation
- Total weight: about 60 tons

