AACE Technical Specifications

Data subject to change without notice.

GENERAL	
Weight	19,500 kg
Crew	2
Length	6.2 m
Width	3.3 m
Height	3.2 m

MOBILITY	
Engine	Diesel
Transmission	Fully Automatic
Max. Road Speed	45 km/h
Range	400 km
Gradient	60%
Side Slope	30%
Vertical Obstacle	0.4 m
Trench Crossing	1.5 m
Turning Radius	Pivot
Amphibious Capability	Standard
Max. Water Speed	8,6 km/h (with 2 Water Jets)

PROTECTION & LIFE SUPPORT SYSTEMS	
Ballistic Protection	STANAG 4569 (Level Classified)
Mine Protection	STANAG 4569 (Level Classified)
Smoke Grenade Dischargers	6
Automatic Fire Suppression System	Standard
CBRN Protection System	Standard
A/C and Heater	Standard

MISSION EQUIPMENT	
Driver Vision System	Standard
Recovery Winch	15,000 kg Capacity

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AACE

ARMOURED AMPHIBIOUS COMBAT EARTHMOVER

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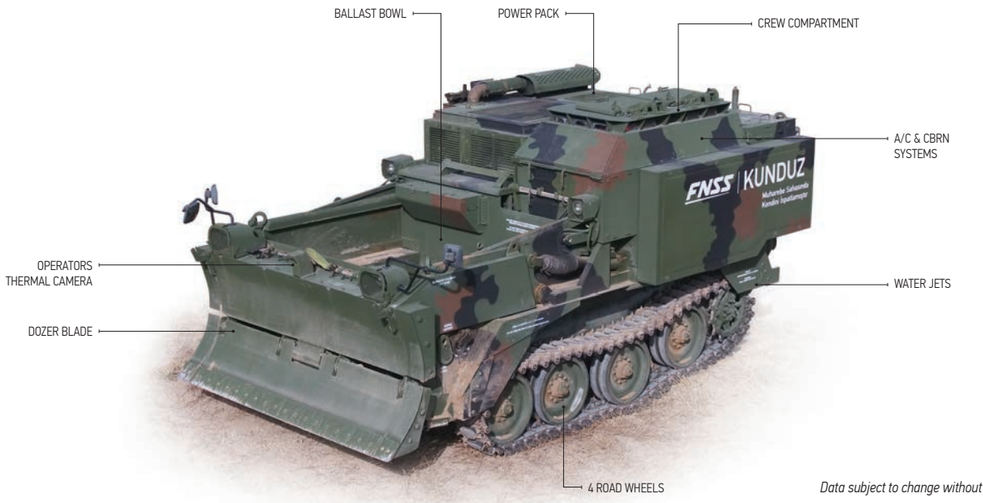
OVERVIEW

The AACE is an amphibious, armoured, tracked, combat earthmover, designed for the preparation of river banks during river crossing missions. It is capable of performing bulldozing, rough grading, excavating, hauling, and scraping operations.

Compared to standard heavy-duty vehicles; the AACE has the capability to take in ballast from the soil into its ballast canister, and when necessary the vehicle can discharge its ballast canister at the end of the operation. In standard heavy-duty vehicles, the dozer blade is hydraulically operated while the vehicle is stable.

However, in the AACE it is fixed to the vehicle. With its adjustable hydraulic suspension system, the front section of the AACE can be shifted in the vertical axis. This capability enables the blade or ballast canister to make contact with the soil, and penetrate it. As a result, shovelling and plowing can be performed more efficiently.



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One of the most important and unique features of the AACE is its amphibious capability. It can be operated with a crew of 2. In addition, the AACE is fitted with modern electronic systems such as day and night cameras, multi-function LCD monitor and air-conditioning system.

To provide the amphibious capability, together with the mine and ballistic protection requirements, the AACE hull structure is made of ballistic aluminium. Its modern hydraulic system and power transmission enables the vehicle to operate with high manoeuvrability and operational performance.

The AACE powerpack is based on a diesel engine coupled to a fully automatic transmission. The AACE is capable to speed up to 45 km/h on land. It can travel safely in river streams against current speeds up to 1.5 m/sec with 360° high-manoeuvrability through its two water jets, placed at the rear section on both sides of the vehicle.

Today the AACE is used by Turkish Land Forces in various missions and is a combat proven system following its use in various operations.

Watch the Video