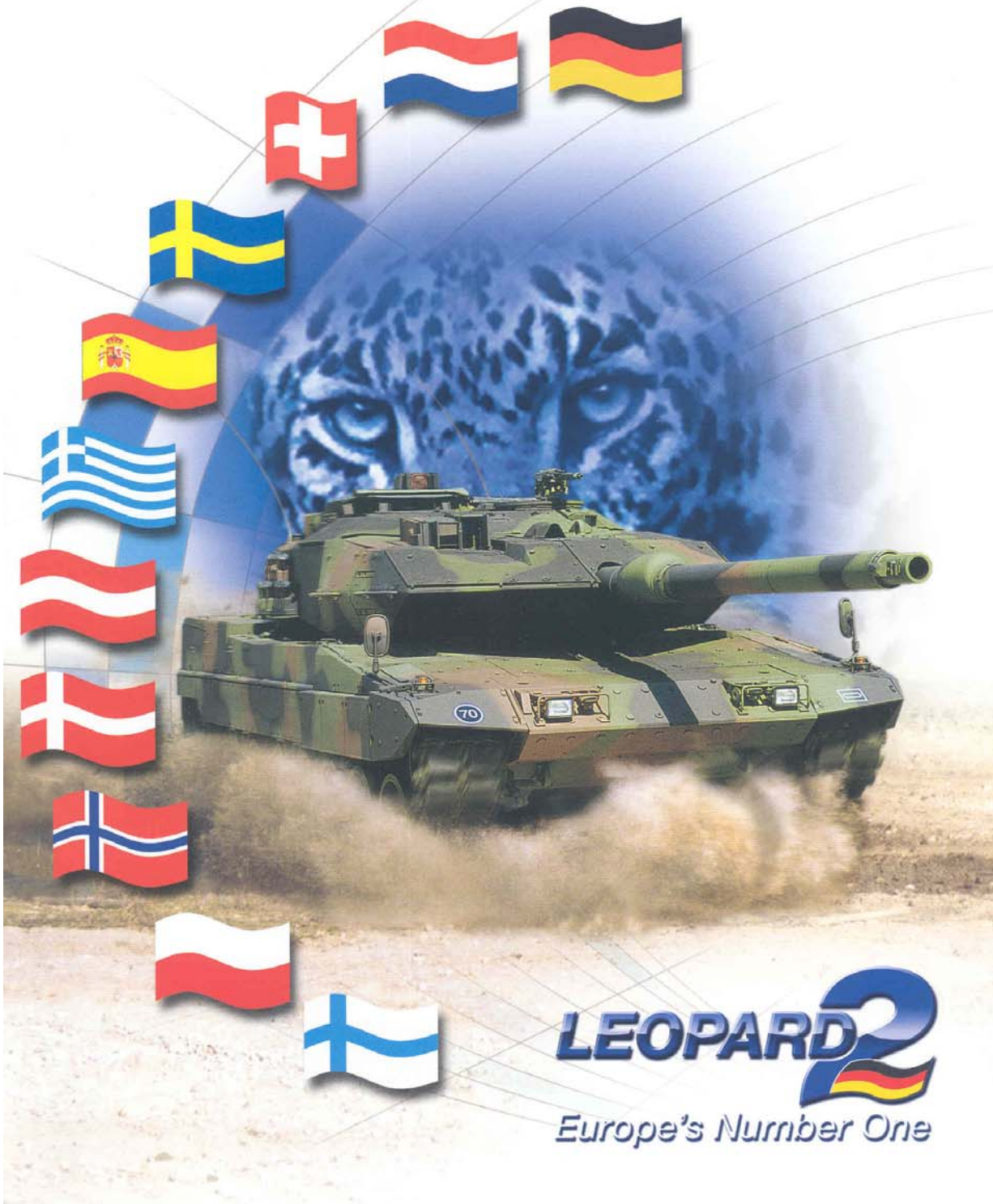


KMW
KRAUSS-MAFFEI WEGMANN



LEOPARD 2
Europe's Number One

LEOPARD 2 – Toughest Missions Demand Perfection

Requirements of the 21st century

- State-of-the-art total all-round protection
- Superior firepower and combat range
- Outstanding all-terrain mobility
- First-rate C³I capabilities
- Total combat ability in all climates
- Extremely high availability
- Interoperability with allied units
- Efficient international logistics

Consequences for

LEOPA

The optimal combinati

Prote

Firepower



Mob

for the 21st century



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Scenarios of the 21st century

- Peacekeeping missions
- National defence
- Show of force
- Effective protection of facilities
- Military conflict resolution
- Surveillance operations



C³I Capabilities

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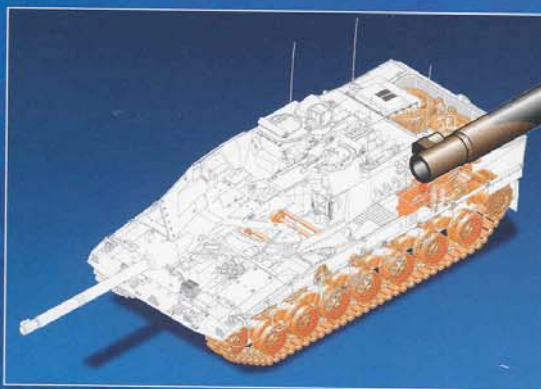


Europe's Main Battle Tank –
LEOPARD 2



Command and Control Systems

C³I Capabilities



Drive system

Mobility



Protection



Optimum armour



Firepower



120 mm smoothbore gun L55/L44

Europe's Main Battle Tank – LEOPARD 2

C³I Capabilities

- State-of-the-art C³I command and control system
- Hybrid navigation system (inertial with GPS support)
- Stabilised primary sight with LASER and thermal imager
- Stabilised panoramic observation and targeting equipment with thermal imager for the commander
- High-resolution night sight device for the driver
- All-electric gun slaving system; gun slaved to gunner's or commander's sight

Technical Data

A6 EX

Performance specifications

Maximum speed	72 km/h
Maximum speed, reverse	31 km/h
Cruising range, road	500 km
Fuel capacity	1,200 l
Forward slope	60%
Side slope	30%
Vertical obstacle	1.1 m
Ditch crossing	3.0 m
Fording without preparation	1.0 m
Deep fording with preparation	2.35 m
Submerged operation	4.0 m

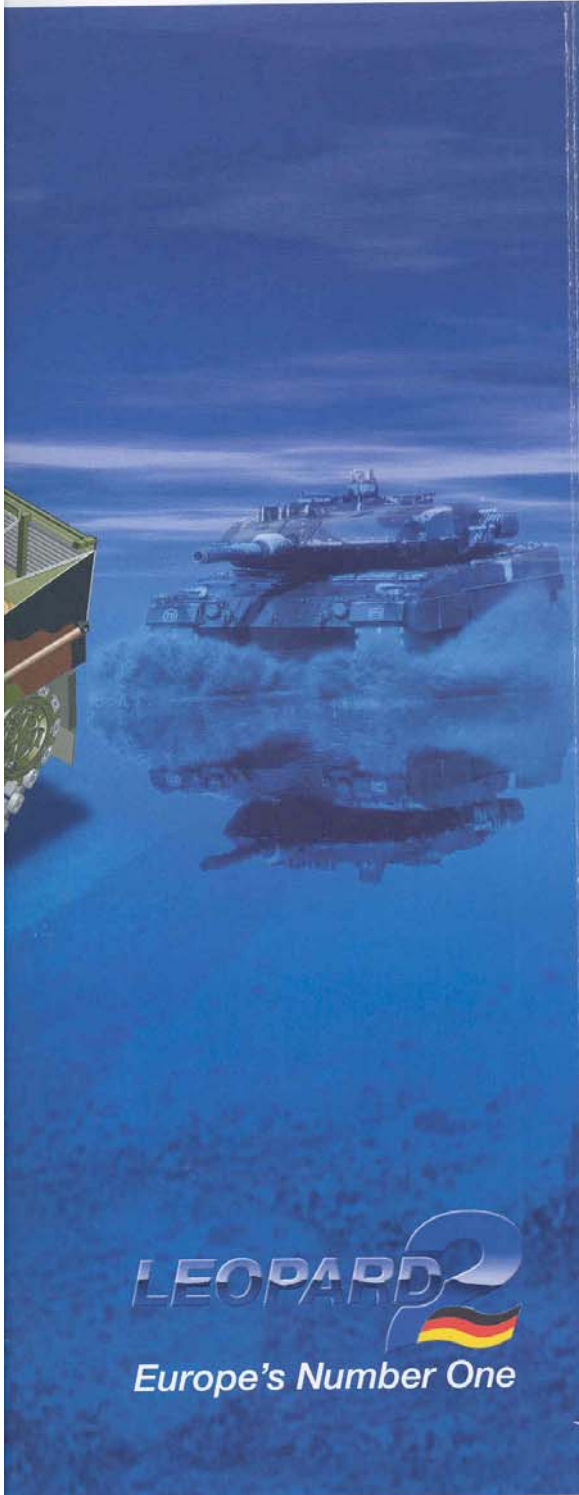
Crew

4

Mobility

- **Engine**
 - MTU MB 873-Ka 501 four-stroke multifuel turbocharger
 - 1100 kW at 2600 rpm
- **Transmission**
 - Renk HSWL 354, hydro-mechanical steer, shift and reversing transmission
 - 4 forward and 2 reverse gears
 - Integrated service brake
- **Chassis**
 - Torsion bar suspension
 - Hydraulic bump stops
 - Rubber-bushed connector track





LEOPARD 2


Europe's Number One

Protection

- Highest ballistic front protection against antitank weapons
- Modular protection structure
- Worldwide leading armoured roof protection against bomblet artillery ammunition
- Additional adaptive mine protection
- Total NBC protection within crew compartment
- No use of depleted uranium or explosives in the protection system

Technical Data

A6 EX

Weights and dimensions

Combat weight	62.4 t
Military Load Class	MLC 70
Power-to-weight ratio	176 kW/t
Specific ground pressure	9.6 N/cm ²
Length (gun at 12 o'clock)	10.97 m
Length (gun at 6 o'clock)	9.79 m
Height to turret roof	2.64 m
Height to commander's periscope	3.00 m
Width with track skirts	3.74 m
Ground clearance	0.53 m
Length of track on ground	4.95 m
Track width	0.635 m

Firepower

- **Main armament**

Smoothbore gun	120 mm Calibre
Traverse range	n x 360°
Elevation range	-9° to +20°
Barrel length	L55/L44
Combat range	> 3,000 m

 - Armour-piercing fin stabilised projectile
 - Multipurpose/shaped-charge projectile
 - High explosive ammunition (HE)
- Ammunition supply 42 rounds
- **Other weapons**
 - Coaxial 7.62 mm machine gun
 - anti-aircraft machine gun 7.62 mm
 - 16-tube multi-purpose grenade launcher system

Euro LEOPARD 2 – System for Europe

Production

- Unsurpassed quality
- Successful co-production in 5 European nations
- Domestic industries fully involved in manufacturing the system



Quick and easy field replacement of the powerpack



*Integration facilities,
LEOPARD 2,
KMW, Munich*

Logistics

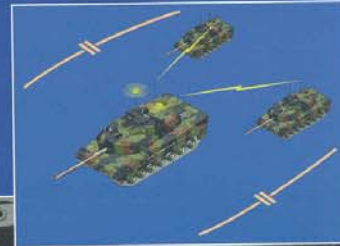
- Multinational cooperation for system maintenance and supply within the LEOPARD User Club
- Effective and long-term secured spare part support within the LEOPARD User Club



Interoperability

- Introduced in 11 European nations
- Secured supply in action
- Harmonised operational principles
- Cooperation in training

Efficient data communication



State-of-the-art C³I commander's station in the LEOPARD 2

Development

- Continuous integration of technological progress
- System adaptation to the growing European and international requirements
- Enormous growth potential for the future (protection, MT883 powerpack, new ammunition, etc.)
- Technological pacesetter (e.g. L55 weapon, improved sensor technology and optimised C³I systems)



EMC testing of a LEOPARD 2 A6 EX

Krauss-Maffei Wegmann – Experts in Security

KMW
KRAUSS-MAFFEI WEGMANN

Krauss-Maffei Wegmann has made it its business to provide the most progressive technology to the armed forces for their military operations. The unique product range, both for peacekeeping missions as well as national defence, extends from light armoured wheeled vehicles up to heavy main battle tanks.

The development and production know-how that KMW has gained over the decades has enabled it to take on the role of system leader for all large-scale armoured vehicle programs for the German Army as well as numerous procurement programs for other countries.

The unchallenged market position of KMW has resulted from its ability to think through and push developments right to the limits of feasibility:

- the PzH 2000 self-propelled howitzer is considered to be the most progressive tube artillery system in the world
- the LEOPARD 2 main battle tank, the backbone of the European armour forces, has become known as the Euro LEOPARD because of its enormous acceptance and exceptional features
- the German Army and international partners are being equipped with KMW armoured wheeled vehicles that set the latest and most innovative standards worldwide.

As a result, the technological superiority of the KMW vehicle family makes a significant contribution to ensuring the soldiers' success in the crisis areas of the world.

Twenty-two nations already rely on the quality of the armoured tracked and wheeled vehicles supplied by Krauss-Maffei Wegmann, Europe's leading systems contractor.



Krauss-Maffei Wegmann is represented in Germany and in the USA.

Including its subsidiaries, the company presently has approximately 2,300 employees.

Further information from:

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