

KMW
KRAUSS-MAFFEI WEGMANN



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PzH 2000

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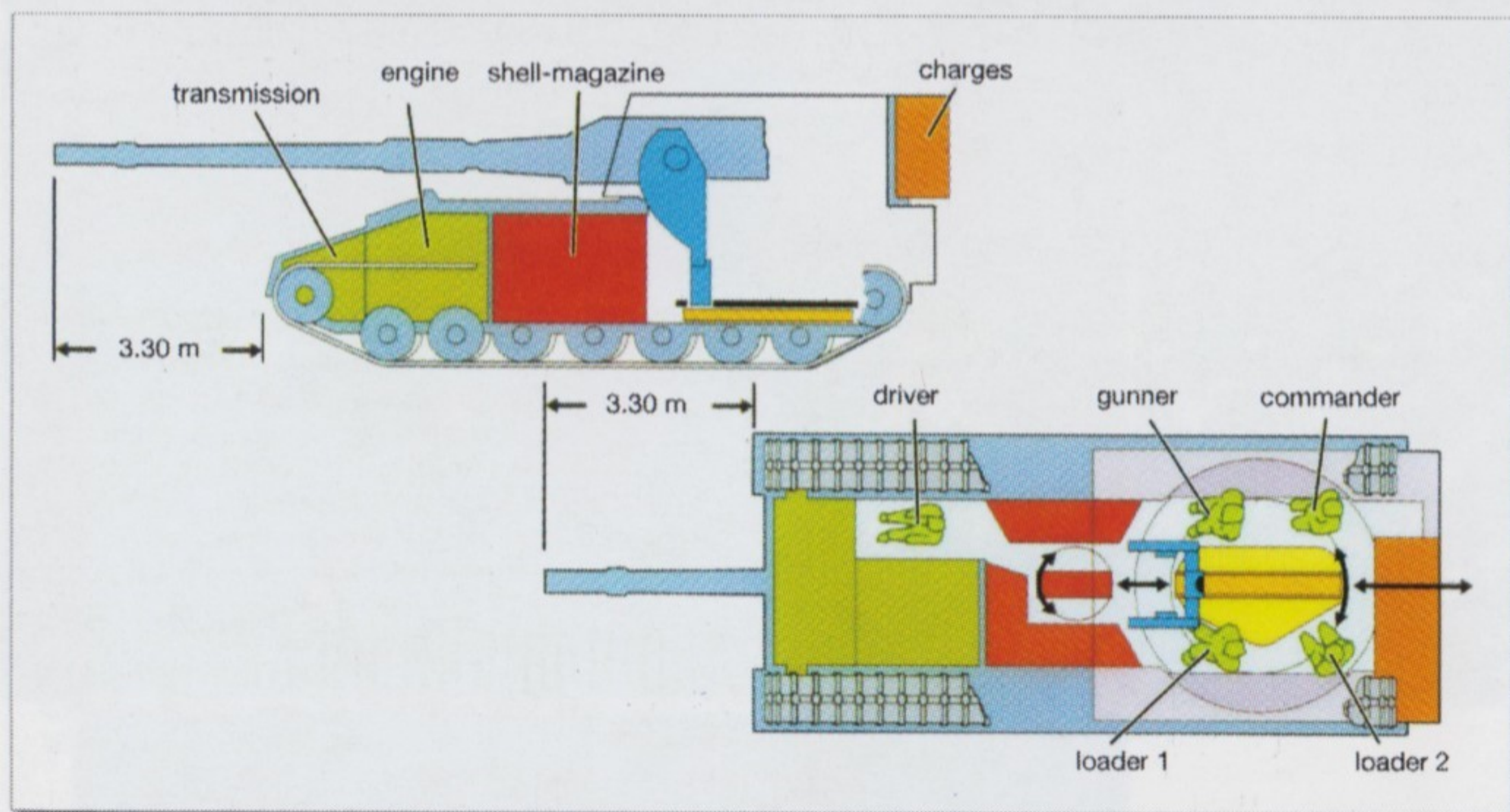
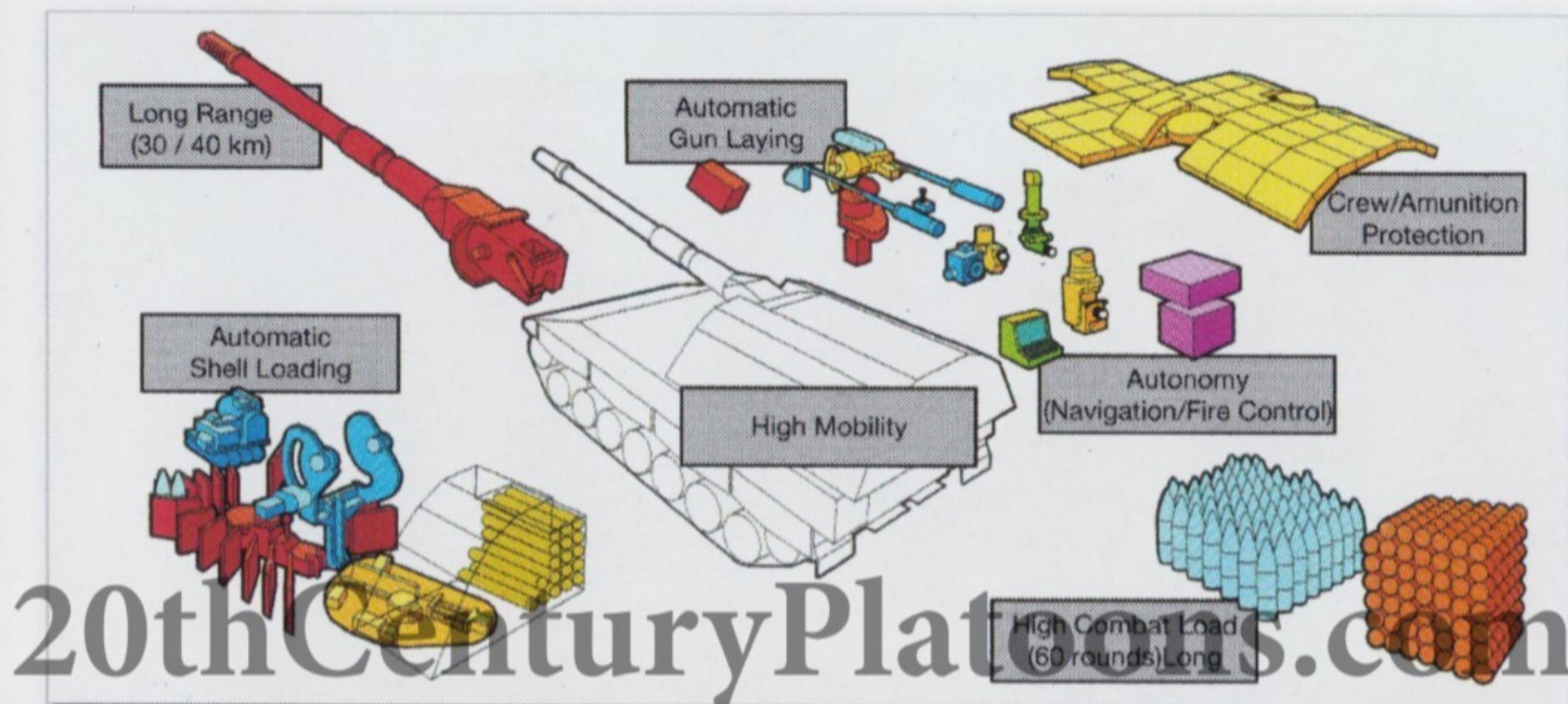
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**First German Lot –
185 PzH 2000 contracted, more than 70 in service**



Key Requirements Conceptual Characteristics

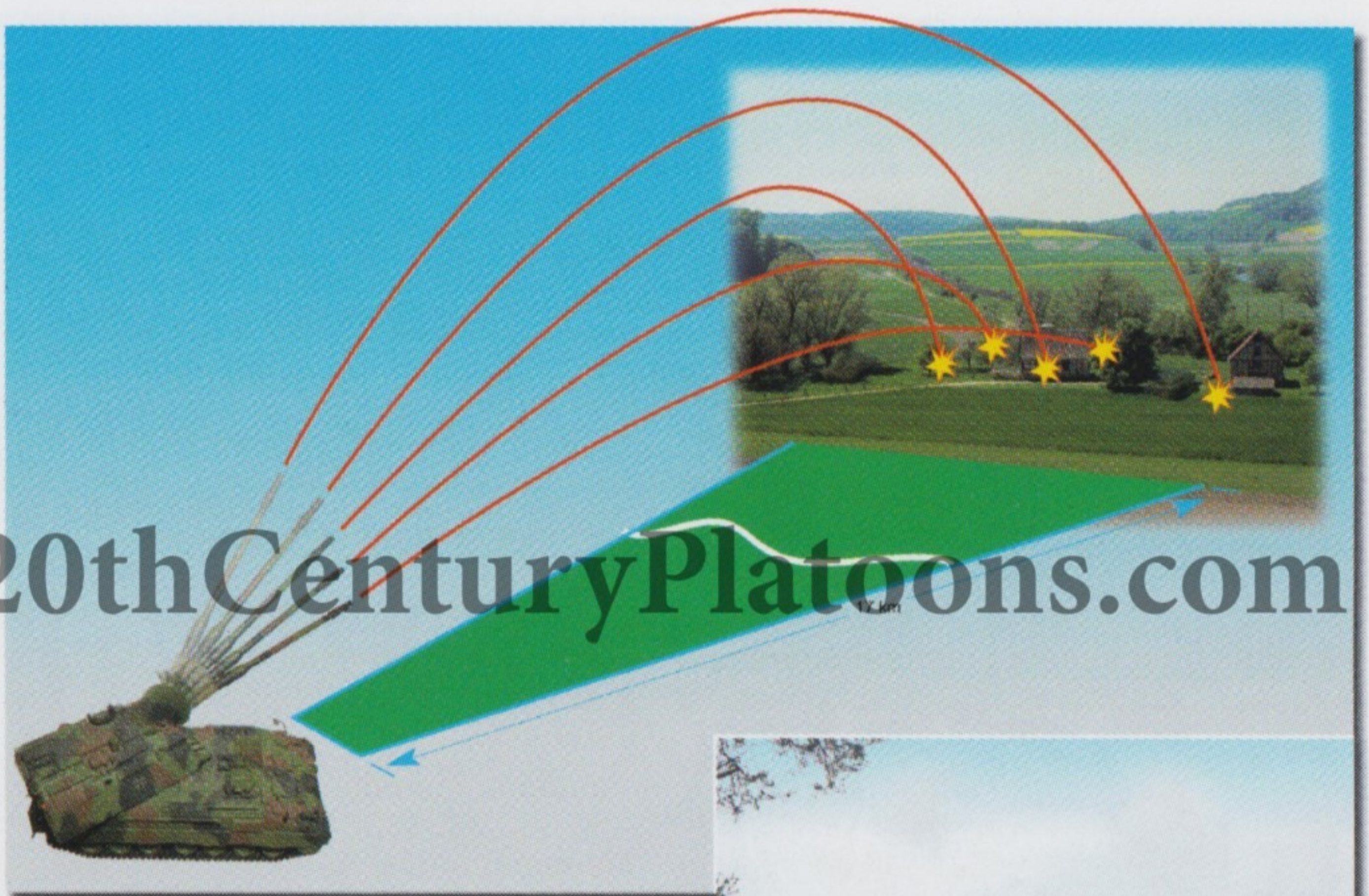


PzH 2000 – Demonstrated Performance



- More than 18,000 rounds fired with prototypes and 12,000 rounds with series systems
- 30 km-range requirement with standard ammunition and 36.5 km with base-bleed ammunition proven
- 3 rounds fired in 9.2 seconds
- 8 rounds fired in 42.9 seconds
- 10 rounds fired in 59.6 seconds
- 20 rounds fired in 2 minutes 10 seconds
- Growth potential demonstrated with improved autoloader:
 - 3 rounds fired in 8.4 seconds
 - 8 rounds fired in 37.1 seconds
 - 12 rounds fired in 59.7 seconds
 - 20 rounds fired in 1 minute 47 seconds
- Resupply of 60 rounds and 288 charges by 2 crew members in less than 10 minutes and 50 seconds
- More than 27,000 km of road and cross-country driving with prototypes and more than 86,000 km with series systems
- Execution of nine 24-hour battlefield days (9 x 300 rounds from 37 different firing positions, 9 x 125 km moves)
- > 45 km/h demonstrated on a typical tank cross-country course
- > 61 km/h highway speed achieved
- Moving sea targets engaged with high accuracy during Swedish Coastal Artillery trials
- Multiple round simultaneous impact (MRSI) capability proven (5 rounds MRSI, 17,000 meters)

MRSI Capability



(MRSI = multiple round simultaneous impact)

The gun fires a number of rounds with different gun elevations and different charges so that the rounds hit the target at the same time.

MRSI Firing Example

	Charge	Flight duration
Round 1	7.L8A1	89 seconds
Round 2	6.L8A1	70 seconds
Round 3	6.L8A1	60 seconds
Round 4	7.L8A1	49 seconds
Round 5	8.L10A1	37 seconds

Demonstrated at Meppen Proving Grounds, May 1999



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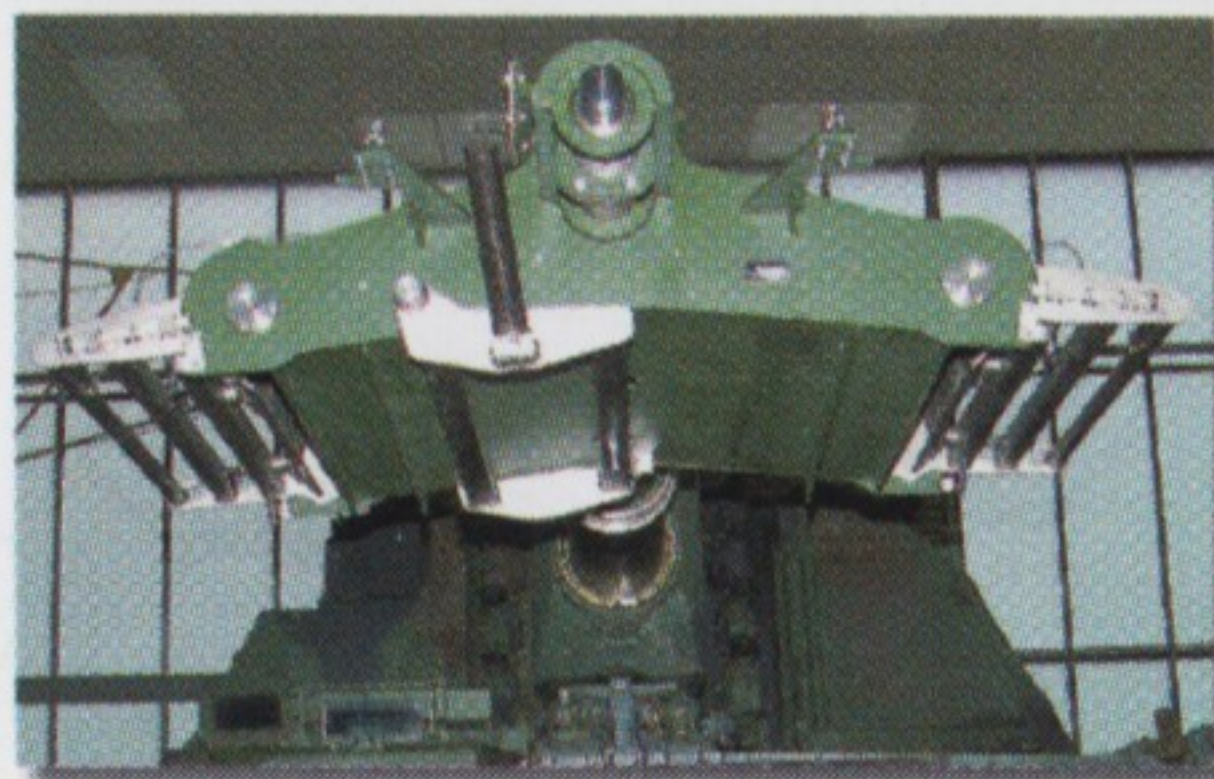
Winter Trials in Finland Successfully Performed



Training Systems



Modules for a "training simulator"
for crew and cadre training.



PzH 2000



Technical Data

- 155 mm L52 gun with ranges of 30 km with NATO standard ammo, 40 km with extended range ammo
- Automatic shell loading system with 60 round magazine and automatically selected projectiles
- Gun control range: -2.5° to 65° ; $n \times 360^{\circ}$
- Resupply of 60 complete rounds (shells and charges) by two crew members in less than 11 minutes
- 10 rounds in 59.6 sec, 20 rounds in 2 min 10 sec
With improved autoloader:
8 rounds in 37.1 sec, 12 rounds in 59.7 sec, 20 rounds in 1 min 47 sec
- Automatic laying, fuze setting, muzzle velocity sensor
- Semiautomatic and manual backup modes
- Autonomous navigation and fire control
- Speed on roads >61 km/h, cross-country >45 km/h, range >420 km
- Combat crew of 3 + 2, only 3 required for full operability
- High protection level against 14.5 mm AP, artillery fragments, bomblets and NBC attacks
- Built-in test equipment

Coastal Artillery

Target Speed	10 knots
Distance	6900 m
Rounds Fired	4
Hits	4
Result	Target Destroyed



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Firing Results (May 22, 1998)

Standard Deviation

Overall Results

Deflection 0.3 mils

Deflection 0.9 mils

Range 5.5 meter

Range 10.8 meter



The Team



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DaimlerChrysler Aerospace

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Prime Contractor



Honeywell

MOOG
Luftfahrt und Sondertechnik

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SCHLEIFRING