



KMW – PROTECTS YOUR MISSION

MILENG COE INDUSTRY DAY 2018

**APVT - Amphibious Protected Vehicle Tracked
Concept Study**

Krauss-Maffei Wegmann GmbH & Co. KG
[Dec 2018]

KMW Has Decades Of Experience As OEM And Contributed To The Development Of Land System, Ever Since



**German Premiere At MILENG COE Industry Day 2018:
APVT – Amphibious Protected Vehicle Tracked**

KMW proudly presents its concept Study APVT



**as a German Premiere at MILENG COE
Industry Day 2018**

KMW Expedited APVT As An Innovative Technical Approach For Protected and Advanced Tactical Mobility



Key Drivers for the APVT Development have been

- Requirements of international customers
- New Areas of Operations for Armored Vehicles
- Concepts for Global Mobility
- Analysis of Competitors

APVT- Concept Study Merges Highest Tactical Mobility On Land And In Water With A Protected MLC 30 Tracked Vehicle

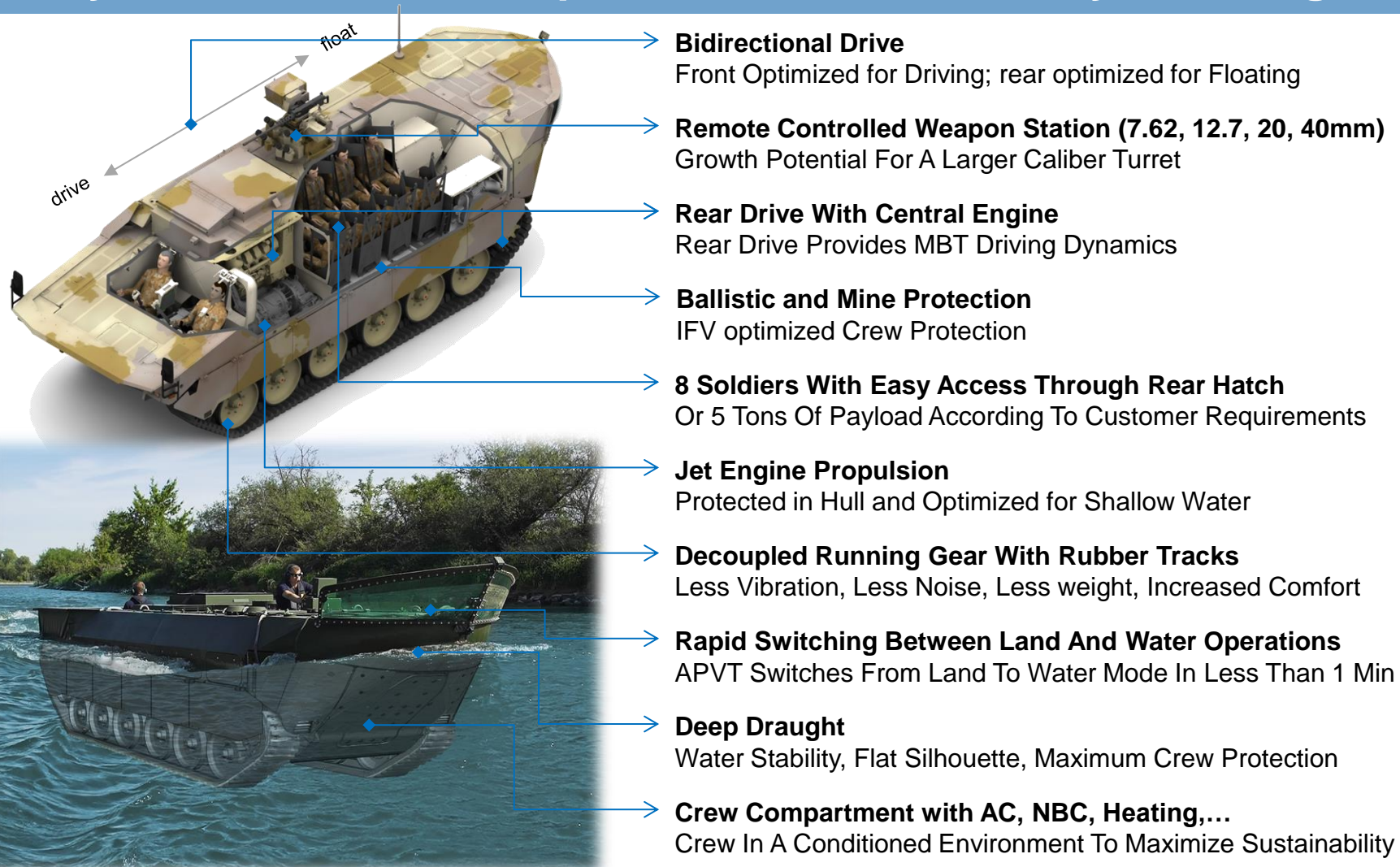


“Calculation” of Design Features

- Highest Tactical Mobility
- + Dynamic Amphibious Capabilities
- + High Crew Protection
- + Weight Reduction (MLC 30)
- + Crew of 10 or Payload <5 Tons
- + Sustainable and Safe Operations
- + Transportability (Sea, Air, Land,Rail)
- = **APVT**



With Decades Of Experience As OEM Of Complex Land Systems, KMW Accomplished Intense APVT System Engineering



KMW Realized Full Tactical Mobility In The APVT Concept And Accomplished Proof Of Concept Stage In 2018

All Terrain Mobility

Front Optimized for Driving Field of View and Rear Drive



Amphibious Operations

Tail Designed for Reduced Flow Resistance



Bidirectional Mobility

Entering Or Leaving Water With Tail Or Front Ahead



Water Maneuverability

Optimized Shape and Water Jet Provide High Agility and Speed



Summary: APVT Growth Potential, Customization and Adaptability

The Unique Selling Proposition of the APVT

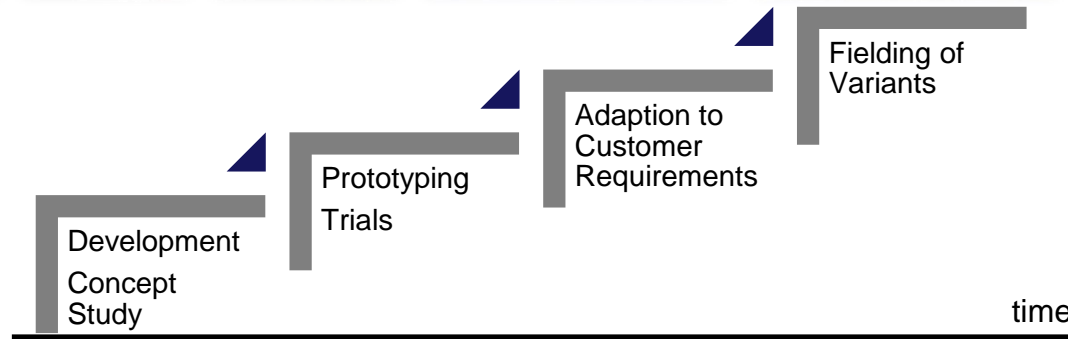
- Advanced Protected, Tracked Mobility
- On Land And In Water
- MLC 30
- Innovative Technology

Future Role Definition

- APVT Is Currently Designed As An Amphibious IFV/APC
- However, Capability To Integrate Alternative Payload, Provides Tremendous Opportunity For Various Roles besides IFV/APC: e.g.
 - *Reconnaissance And Conduct Of River Crossings And Lake Operations*
 - *EOD/ EOR*
 - *Command Post*
 - *Support Operations (CSAR, EvacOps, ...)*

Adaptability and Growth potential

- Integration Of Special Payload According To The Tactical Role Of The APVT. E.g.
 - *Turret*
 - *Command and Control Systems*
 - *Protection And Protective Suits*
 - *C4I, Radar, Jammer, UAVs, ...*
 - *Medical*



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