



RENK Group and RENK America look to serve the Indian market and expand global manufacturing in India

RENK Group, (RENK) is a global leader in the engineering and manufacturing of power transmission and drive technology. Founded in Germany in 1873, it is one of the oldest engineering and manufacturing companies in Europe and has been providing innovative solutions to customers worldwide. Spanning the globe with operations on five continents, including 28 office locations and manufacturing sites, RENK is your trusted partner today and tomorrow.

Over the past two years, RENK has strategically acquired several market leading companies including its American subsidiary, RENK America (formerly L3Harris - Combat Propulsion Systems), Magnet-Motor of Germany (also a former L3Harris company) and Horstman Defence Systems of Great Britain, including American and Canadian subsidiaries.

RENK America is also the OEM of the prolific AVDS-1790 series, military specification diesel engine and the HMPT series transmission, for medium weight, tracked combat vehicles. Horstman suspension systems can be found in dozens of wheeled and tracked vehicle platforms, including the M777 Towed Howitzer. Magnet-Motor is a leader in the development of high voltage, power generation and control electronics for hybrid drive solutions. The new RENK is committed to providing its clients with the best possible products and services, building on a track record of success and a strong dedication to excellence.

As part of its worldwide effort of internationalization, the RENK India office was established in 2017 to specifically support the programs in this critical market. This expanded organization has successfully increased an already strong presence as a global defense systems supplier. Among other things, RENK is the supplier of the RK 304S, the original equipment transmission in India's Arjun main battle tank, in service since 2004. The Arjun powerpack can develop up to 1,400 horsepower.

RENK's Global Reach

RENK produces high-performance components and systems for various industries, including defense, automotive, railway, marine, and aerospace, with production and manufacturing licensee sites in Germany, Switzerland, France, Brazil, Turkey, South Korea, the United Kingdom, the United Arab Emirates, and the United States. These include marine and ground propulsion, power transmission, hybrid electric drive, vehicle suspensions, test systems, specialized gearboxes, bearings and couplings.

In addition to its manufacturing capabilities, RENK offers a range of services, including engineering and development, testing, integration services, maintenance, repair and overhaul support. The company is committed to providing its customers with innovative solutions tailored to specific needs and critical requirements.

RENK has a long history of innovation and quality, particularly where mobility solutions for combat vehicles are concerned. From the development of advanced hydrokinetic, hydromechanical, hybrid drive, steering, and braking systems for tracked vehicles to mastering extreme requirements in the field of combat mobility, RENK continues to play a key role in shaping the evolution of armored vehicle propulsion.

For over 100 years, RENK America has been a leading supplier of mobility solutions for tracked combat vehicles. RENK America's HMPT series transmission is the dominant transmission selection in the US Army's and Allied Countries' medium weight, tracked vehicle fleet. The HMPT is the original equipment transmission in the Bradley Fighting Vehicle (BFV), Amphibious Multi-Purpose Vehicle (AMPV), Multiple Launch Rocket System (MLRS), the Korean K21 vehicle series, the Singapore Bionix /Primus vehicles and is the transmission in the M109A7 Self-Propelled Howitzer System (SPHS). Under an internal development program, the HMPT is being upgraded to ensure it stays at the forefront of combat vehicle propulsion technology. These improvements include the increase of capacity levels, greater performance range and new operational features desired by our customers.

The AVDS-1790 series engine is the military specification prime power choice for heavy combat vehicles due to its air-cooled integrated design. The AVDS-1790 is the original equipment in the M48, M60 and early Merkava main battle tanks, the Namer Infantry Fighting Vehicle, the powerful M88 series, armored tank recovery vehicle and is the retrofit engine in a K-9 variant, self-propelled howitzer program. At end-user request and to expand into additional vehicle applications, RENK America is investing heavily in this product to increase power density and improve overall performance.

Both, the HMPT and AVDS-1790 products have been in serial production for many years, making them highly cost-effective propulsion components with industry leading availability. Additionally, both product lines have undergone numerous upgrades and improvements over time based on RENK America Engineering analysis, combat field experience and end-user feedback. Critically, RENK America is fully committed to supporting our products by offering engineering support, logistics services, training, upgrades, and overhauls for the life of the components. RENK America is a trusted supplier leading the way in innovation, research, development, manufacturing, and life cycle support of the AVDS-1790 series engine and HMPT series transmission.

RENK America, places great importance on the quality, performance, and reliability of the equipment it supplies to keep soldiers safe in the harsh conditions of combat. Decades of experience and customer interaction allows the RENK America team to quickly understand customer requirements and present tailored solutions, unmatched customer service, clear communication, on-time delivery, and steadfast support for every system manufactured.

RENK's Future in India

RENK has made significant investments in India highlighted by the establishment of RENK Gears Private Limited in Bengaluru (RENK India). The RENK India subsidiary currently supports multiple activities for sales, aftersales support of Defence & Industrial segments with a focus on localization.

The prolific HMPT transmission is in high-rate production for multiple, vehicle platforms in the United States and Allied countries. It continues to deliver exceptional performance with industry-leading power density and its lightweight design enables exceptional maneuverability and agility needed for survival on the battlefield. This fully developed gearbox has been proven in thousands of field applications and battle tested in all possible operational and environmental extremes. Furthermore, this technology is exportable according to U.S. regulations, making it suitable for both Indian Army employment and transfer to India's commercial allies.

The HMPT is an excellent technical and economic choice for the Light Tank, FICV and other critical Indian combat vehicle programs and will result in a significant component commonality across the fleet. The selection of the RENK America transmission for India's combat vehicles will mark a major milestone for economic growth and defense sustainability in the country. RENK America is committed to meeting and adhering to the requirements of MAKE IN INDIA by localizing production of the HMPT transmission in India. This will be accomplished in one of several options including the transfer of technology to and expansion of RENK India, the establishment of a manufacturing license with a commercial Indian firm or a joint venture partnership with a selected industrial entity.

The Indian industry is well known for its ability to produce high quality products at competitive prices. As HMPT production ramps up, the benefits from increased job creation, improved national security, and the value derived from projected exports will multiply. RENK America's dedication to quality and support will enable its Indian production partner to become a top player in the worldwide manufacturing industry, bringing India closer to achieving its full potential in defense manufacturing and self-reliance.

Trusted Partner.

For over 100 years, RENK America has been the leading and the only U.S.-based supplier of complete mobility solutions for tracked combat vehicles. As a part of RENK Group, they are the trusted authority leading the way in the innovation, research, development, and manufacturing of their AVDS engine and HMPT transmission.

And RENK is looking to expand its capabilities in India by localizing the production of its HMPT transmission.

With a strong commitment to quality and customer satisfaction, RENK in India is poised to become a leader in the global manufacturing market.

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