



Sona Comstar Announces Strategic Partnership with Enedym Inc. to Produce Magnet-less EV Motors

- *Enedym's patented SRM drive technology requires no permanent magnets or other rare earth metals and offers high performance, power density, and efficiency.*
- *Arrangement contemplates, amongst others, licensing of technology for application in 3-wheel electric vehicles, high performance electric motorcycles, and 4-wheel cargo delivery electric vehicles in the select power range.*
- *Sona Comstar to manufacture Enedym's SRM drive motors, controllers, and drive trains for the target applications exclusively in India with serial production expected to start in 2023.*

New Delhi, 20th Apr 2022: Sona BLW Precision Forgings Ltd ("Sona Comstar"), a leading global automotive technology company, has formed a strategic partnership with **Enedym Inc. ("Enedym")** of Hamilton, Ontario, Canada, the technology company that develops next generation switched reluctance motors (SRMs), electric propulsion, and electrified powertrains. Under the agreement, the parties will develop SRM drive platforms for Indian road and usage conditions targeting **3-wheeler electric vehicles** (10-30kW peak power), **2-wheeler high-performance motorcycles** (10-20kW peak power) and **4-wheeler cargo delivery electric vehicles** (20-40kW peak power). In addition, Enedym will license its SRM technologies to Sona Comstar for manufacturing the drive motors, controllers, and drivetrains for the target applications exclusively in India. The serial production of these systems is likely to commence in 2023.

Enedym has developed novel families of next-generation SRMs with improved efficiencies, power density, and performance for varied applications. By taking the permanent magnets out, Enedym's SRMs have the potential to significantly reduce the cost of propulsion motors. It offers significant additional advantages like a low-cost and straightforward structure, high efficiency at high speeds, fault-tolerant operations and suitability for operating in harsh environments and high-temperature conditions.

Electric three-wheelers are leading the transition to EVs in India, as the segment achieved over 14% share in the overall three-wheelers sales in FY21. The catalyst of this fast adoption is the expansion in the supply chain infrastructure by eCommerce and logistic providers, coupled with growth in eCommerce and consumer demand. We believe the shift towards sustainable mobility will continue in the first and the last mile, given lower operating costs and growth in eCommerce, thus, creating a potentially large market for electric drivetrains.

Commenting on the partnership, **Mr Kiran M Deshmukh, Group CTO of Sona Comstar**, said, "We are excited to announce our collaboration with Enedym. This partnership opens doors for us to the inventions developed by Dr Ali Emadi and his research group at the McMaster Automotive Resource Centre, McMaster University. Enedym's switched reluctance motors with advanced acoustic noise control will help us offer high-efficiency and high-performance magnet-less motors to our discerning customers. This is yet another step towards offering environmentally sustainable and cost-effective solutions to drive faster adoption of electric mobility in India and globally."

Dr. Ali Emadi, Founder, President, and CEO of Enedym commented, "We are thrilled to announce this partnership with Sona Comstar. This collaboration will effectively bridge the gap between supplying next generation SRM motor technologies by Enedym, which require no rare earth metals, reduce cost significantly through advanced digitization, and achieve class leading performance, with a trusted and highly capable partner, Sona Comstar, to supply highly engineered automotive systems and components to OEMs. Electric three-wheelers are at the forefront of the vehicle electrification transition in India and, therefore,



SONA COMSTAR

our combined efforts will have a significant impact both in terms of sustainability, efficiency, cost reduction, and performance improvements."

- ENDS -

About Sona BLW Precision Forgings Limited

Sona BLW Precision Forgings Limited (**Sona Comstar**) is one of **the world's leading automotive technology companies**. Founded in 1995, it is headquartered in Gurugram, India and has emerged as a global supplier with nine manufacturing and assembly facilities across India, the USA, Mexico, and China.

Sona Comstar is primarily engaged in designing, manufacturing, and supplying highly engineered, mission critical automotive systems and components to automotive OEMs. Sona Comstar is a leading supplier to the fast-growing **global Electric Vehicle (EV)** market. The company has strong R&D, engineering and technological capabilities in precision forging, mechanical and electrical systems, as well as base and application software development. It is diversified across geographies, products, vehicle segments and customers.

Sona Comstar is listed on BSE Ltd (**BSE**) (Code: SONACOMS/543300) and the National Stock Exchange of India Ltd. (**NSE**) (Symbol: SONACOMS). To learn more about Sona Comstar, please visit www.sonacomstar.com.

About Enedym Inc.

Enedym is a technology start-up company from McMaster University. The company is headquartered at the McMaster Innovation Park in Hamilton, Ontario, Canada. Enedym has ownership of over 60 patents and pending patent applications and related inventions developed by the Canada Excellence Research Chair in Hybrid Powertrain Dr. Ali Emadi and his research group at the McMaster Automotive Resource Centre, McMaster University.

Enedym's vision is to significantly reduce the cost of electric motors and electrified powertrains, and power a new paradigm in electrification through novel electric motor drive technologies, controls, and digitization techniques. Enedym aspires to help save the planet, one electric motor market at a time. To learn more about Enedym, please visit www.enedym.com.

Contact for Sona Comstar:

Sona BLW Precision Forgings Ltd.

Premanjali Singh

Email: premanjali.singh@sonacomstar.com

Concept PR (Press Relations Advisors)

Amir Ali Hashmi

Tel: + 91 99111 90972

Email: amir@conceptpr.in

Enedym Inc.

Media Contact for Enedym Inc.

Kent Place Communications, LLC

Melissa Sheer

Tel: +1-917-690-2199

melissasheer@kentplacellc.com