



**For Immediate Release**

## **Three Ventures in India Earn Places in Annual ASME ISHOW Cohort with Innovative Solutions to Agricultural, Energy, and Healthcare Challenges**

**NEW YORK (May 5, 2025)** – The American Society of Mechanical Engineers (ASME) has announced the regional cohort ventures joining the 2025 ASME Innovation Showcase (ISHOW), the prestigious international accelerator of hardware-led social innovation. Seven social ventures from throughout India pitched their innovative solutions and participated in an extensive design and engineering review with expert judges on April 24 and 25 at T-Hub, Hyderabad, Telangana, India. Three ventures were selected to join the 2025 ISHOW cohort and receive a share of \$30,000 in grant awards and technical support to help bring their impactful innovations to market.

[These 2025 ASME ISHOW India ventures](#)’ innovations provide affordable, sustainable hardware technology solutions to agricultural, energy, and healthcare challenges. They are:

- [FastSense Innovations](#) (Pune, Maharashtra, India) for its “Sep-Scan” tool – an AI-powered diagnostic solution designed for rapid, precise, and comprehensive early sepsis detection and antimicrobial resistance (AMR) screening, accessible even in resource-limited settings, ultimately reducing diagnostic delays, and helping to lower mortality rates, shorten hospital stays, and cut treatment costs
- [Kisan Rover](#) (Jhalawar, Rajasthan, India) for its Solar-Powered Agricultural Robotic Bull – a solar-powered and electric hybrid multitasking agricultural machine that can enhance productivity, reduce costs, and improve the livelihoods of farmers with less than five acres of land
- [Newrup Tech Solutions Pvt. Ltd.](#) (Bhubaneswar, Odisha, India) for its “Chuliv” innovation – a clean cooking solution that seamlessly upgrades conventional mud stoves into advanced cooking appliances, cutting harmful smoke emissions by up to 50%, decreasing indoor air pollution and its negative impact on the health and mortality of women and children.



The 2025 ISHOW cohort will be invited to participate in the annual ISHOW Bootcamp in the winter to receive an extensive and customized design and engineering review by experts curated to guide them as they scale to market. They will also receive design services to support their product development. They become part of the ISHOW alumni network, an international community of hardware innovators and stakeholders with exclusive access to experts and resources.

See below for captioned photos from the 2025 ASME ISHOW India awards ceremony.

The [ASME ISHOW Africa virtual event](#) will be held June 10-12. [Applications](#) are due May 15 for social entrepreneurs in the Americas seeking consideration for [ISHOW Americas, a virtual event](#) scheduled for July 29-31. Three ventures selected at each event will join the ISHOW 2025 cohort.

ASME is grateful to its [implementation partners around the globe](#), including The Lemelson Foundation for its continued support of the ISHOW and a multi-year strategic investment in ASME to support the hardware impact innovation system. Learn more about ISHOW's global impact in this [dynamic dashboard](#).

#### **About ASME ISHOW**

*The prestigious ASME ISHOW hardware accelerator is open to individuals and organizations taking physical products to market that will have a positive social and environmental impact and that improve the quality of life around the world. ASME annually matches up to 30 carefully selected innovators/ventures with appropriate engineering experts to ensure that the proposed hardware solutions are technologically, environmentally, culturally, and financially sustainable. To date, ASME has provided support to over 250 startups from more than 35 countries to solve critical quality-of-life challenges for vulnerable populations worldwide. ISHOW alumni have developed affordable devices to address key issues related to clean combustion, crop threshing, fetal health, food waste prevention, health diagnostics, safe drinking water, and many more that advance the [U.N. Sustainable Development Goals](#).*

*ASME ISHOW experts and facilitators include domain experts in research, sustainability, mechanical engineering and product design, manufacturing, startup financing, supply chain, and business strategy, representing industry, nonprofit organizations, and academia. These subject matter experts provide technical and strategic guidance based on ISHOW's five key pillars: customer/user knowledge, hardware validation, manufacturing optimization, implementation strategy, and impact. For more information, visit <https://www.asmeishow.org>.*

Follow the journeys of ISHOW alumni including [GenH](#), [PlenOptika](#), [Himalayan Rocket Stove](#), [SAYeTECH](#) and others [here](#).

@ASMEISHOW #ASMEISHOW25 #innovation #socialventures #ThisIsHardware

### **About ASME**

ASME helps the global engineering community develop solutions to real world challenges. Founded in 1880 as the American Society of Mechanical Engineers, ASME is a not-for-profit professional organization that enables collaboration, knowledge sharing, and skill development across all engineering disciplines, while promoting the vital role of the engineer in society. ASME codes and standards, publications, conferences, continuing education, and professional development programs provide a foundation for advancing technical knowledge and a safer world. In 2020, ASME formed the International Society of Interdisciplinary Engineers (ISIE) II & III LLC, a new for-profit subsidiary to house business ventures that will bring new and innovative products, services, and technologies to the engineering community. For more information, visit [www.asme.org](http://www.asme.org).

### **About the ASME Foundation**

The ASME Foundation is the philanthropic arm of the American Society of Mechanical Engineers, supporting an array of programs in three core pillars: engineering education, career engagement, and global development. With the goal of empowering tomorrow's technical workforce, the ASME Foundation advances equitable access both to professional opportunities and to engineering innovations that improve quality of life. For more information, visit [www.asmefoundation.org](http://www.asmefoundation.org).

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**Pictured above** from left to right are: Jonathan Kemp of ASME; Mamta Gandhi and Preeti Nigam Joshi, Ph.D. of FastSense Innovations, awardees for their Sep-Scan tool; TASK CEO Shrikant Sinha; keynote speaker and IIT Palakkad Technology IHub Foundation (T-Hub) CEO Saishyam Narayanan, Ph.D.; and Hari Balachandran of ASME India. “A breakthrough in diagnostic technology, this company is revolutionizing the treatment pathway by significantly

reducing the time required to identify life-threatening conditions. Their solution not only accelerates diagnosis but also simplifies the process, paving the way for better patient outcomes,” said Kemp.



**Pictured above** from left to right: Jonathan Kemp of ASME; Ramdhan Lodha and Divy Sharma of Kisan Rover selected for its solar-powered agricultural robotic bull; keynote speaker and IIT Palakkad Technology IHub (T-Hub) Foundation CEO Saishyam Narayanan, Ph.D.; Madhukar Sharma of ASME India; and TASK CEO Shrikant Sinha. “Though still in the early stages, this company has demonstrated a deep commitment to its mission. By spending extensive time with farmers and understanding their real-world challenges, they’ve developed thoughtful, user-centric solutions that have the potential to meaningfully uplift agricultural communities,” said Kemp.



**Pictured above** from left to right are: Jonathan Kemp of ASME; Avni Malhotra of ASME Foundation India; Anup Paikaray and Sambhav Das of Newrup Tech Solutions, selected for their “Chuliv” clean cooking solution; keynote speaker and IIT Palakkad Technology IHub (T-Hub) Foundation CEO Saishyam Narayanan, Ph.D.; and TASK CEO Shrikant Sinha. “With immense potential to transform lives across Africa and India, this company is addressing a deeply rooted challenge with a scalable and impactful solution. Their work stands to benefit countless communities through innovation and empathy,” said Kemp.