



## 17th - 18th July 2024 | The Lalit Ashok, Bengaluru







#### Who We Are

Electronic Industries Association of India was established in 1967 as the first industry association supporting electronics hardware, when India's Electronics industry was still in its infancy. Since then, ELCINA has established itself as an interactive forum for electronics and IT manufacturers.

ELCINA launched the Strategic Electronics Summit (SES) in 2010 and for 12 years we have consistently organized the event in Bengaluru with a focus on all defence and space industry stakeholders. SES has since become a well-recognized and valuable platform for showcasing equipment and technology for the Army, Air Force, Navy and Space sectors and has consistently attracted large presence of all stakeholders. SES highlights the immense scope for industry from public and private sectors to work together to serve the Defence sector.

#### **SES: A Brief Overview and Objectives**

Strategic electronics is a fast-growing area in the electronics space and is a key focus of the Government of India through its Make in India program. ELCINA has been at the forefront of bringing together the various stakeholders in strategic electronics through its flagship event, the Strategic Electronics Summit (SES).

SES encourages Indian Electronics Companies to participate in the defence electronics value chain and strengthen the domestic industry and enable indigenization. Our emphasis remains on Electronics which is at the core of modern defence systems.

Delivering value over time, the 13th Strategic Electronics Summit (SES 2024) - Defence & Aerospace took place on **July 17th and 18th, 2024**, at **The Lalit Ashok Hotel** in Bengaluru. The event's theme was **"Strategic Electronics - Roadmap for 2047".** This agenda and the discussions during the summit helped the industry and stakeholders make more informed decisions when planning their investments in strategic electronics.

At SES 2024, industry leaders and participants explored the vast opportunities within the Indian defense manufacturing sector. The exhibition featured leading companies from the Indian Strategic Electronics industry, showcasing their capabilities to meet the growing demand for defense equipment. Attendees had the chance to witness cutting-edge technologies, advanced products, and innovative solutions driving advancements in defense and homeland security

The conference sessions at the SES 2024 provided valuable insights into the latest trends, developments, and best practices in defense manufacturing. Experts and thought leaders shared their knowledge and experiences, discussing strategies for enhancing domestic production, reducing import dependence, and promoting India's defense exports. The discussions emphasized the importance of collaboration, innovation, and leveraging India's technical expertise to establish the country as a global leader in defense manufacturing.

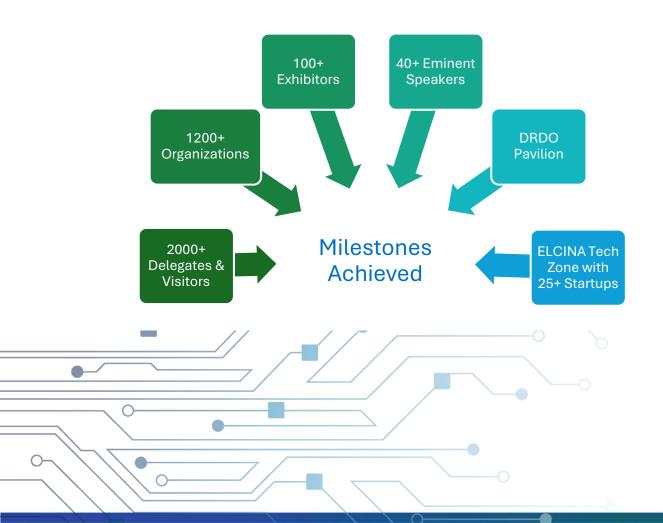
To encourage and recognize outstanding companies who have made exemplary contribution in the field of Defence Electronics (R&D, design and Manufacturing) demonstrating an innovative approach and excellence, ELCINA instituted defennovation Awards in the year 2018. This year too these awards were presented to deserving companies and start-ups by **Mr. Hans Raj Verma, Director General, Council of State Industrial Development & Investment Corporations of India , Lt. Gen. Sanjay Verma, PVSM, AVSM, VSM (Retd), Advisor, DRDO** and **Lt. Gen. AKS Chandele, PVSM, AVSM, (Retd), Ex-DG EME**. Details of the winners are provided later in this Report.



### **Objectives Of the Event**

- Bring all stakeholders on one platform to enable better communication and understanding of requirements of the defence establishment.
- Facilitate in creating indigenous capability to manufacture defence equipment and meet these requirements.
- Create awareness about opportunities in the Strategic Electronics sector.
- > Involve the Small and Medium Enterprises to meet the requirements of Defence Forces.
- > Bridging the gap between R&D, Government organizations and businesses.

We are grateful for the encouragement and support we received from all the stakeholders including Govt. of Karnataka, Govt. of Tamil Nadu, Ministry of Electronics & IT (MeitY), Ministry of Defence, DRDO, our Sponsors C-DOT, CP Plus, Bharat Electronics Limited, Electronics Corporation of India Limited, Hindustan Aeronautics Limited, Amphenol Interconnect India, Avirata Defense Systems, Bharat Dynamics Limited, Tata Advanced Systems, Himil Uwave Research Co., and all the distinguished Guests, Speakers, Panelists, Exhibitors and Delegates who made this event a success. We are committed to the development of Indian Electronics Industry and look forward to having continued support in future.



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## Honourable Guests and Speakers @ SES 2024



Chief Guest: Mr. Priyank M Kharge, Hon'ble Minister of IT, BT, Rural Development and Panchayat Raj, Govt. of Karnataka



Guest of Honour: Dr. B K Das, Distinguished Scientist & Director General - Electronics & Communication Systems (ECS), DRDO



Guest of Honour: Lt. Gen. KS Brar, General Officer Commanding (GOC), Dakshin Bharat



Guest of Honour: Mr. Hans Raj Verma, Director General, Council of State Industrial Development & Investment Corporations of India



Honoured Guest: Mr. Darshan H.V, IAS, MD, ITBT and S&T, Govt. of Karnataka



Honoured Guest: Mr. Sandeep Nanduri, IAS, MD, Tamilnadu Industrial Development Corporation Ltd. (TIDCO)

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## **Conference Recap**

The 13th edition of Strategic Electronics Summit 2024 was inaugurated by our Chief Guest **Mr. Priyank M Kharge, Hon'ble Minister of IT, BT, Rural Development and Panchayat Raj, Govt. of Karnataka** with our Guests of Honour **Dr. B K Das, Distinguished Scientist & Director General - Electronics & Communication Systems (ECS), DRDO** and **Lt. Gen. KS Brar, General Officer Commanding (GOC), Dakshin Bharat.** 





Chief Guest: Mr. Priyank M Kharge, Hon'ble Minister of IT, BT, Rural Development and Panchayat Raj, Govt. of Karnataka



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Special Address By: Mr. Ganapathi Krishnan, General Manager (MCSRDC), HAL



Industry Address: Mr. Ashwani Bhargava, Senior Director, Boeing India Private Limited



Welcome Address: Mr. Atul Lall, President, ELCINA & Vice Chairman & CEO, Dixon Technologies



Special Address By: Mr. Hari Kumar R, General Manager, Bharat Electronics Limited



Vote of Thanks: Mr. Sasikumar Gendham, Sr. VP, ELCINA







In this above special session, **Lieutenant Colonel Arindam Chaudhary** from the Defence Standardization Cell delve into the crucial role of standards and NATO codification in defence logistics. He discussed how adhering to these standards can significantly enhance the sustenance and export potential of defence equipment and supplies. By exploring the importance of standardization in defence logistics, this session shed light on best practices and strategies for optimizing efficiency and effectiveness in the defence supply chain



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## Session I: Users Perspective for Defence Electronics Equipment – Expectations from Industry





Session Moderator: Lt. Gen. AKS Chandele, PVSM, AVSM, (Retd), Ex-DG EME

Lt. Gen. Vineet Gaur, AVSM, DG, Capability Development, Ministry of Defense



Maj Gen Abhay Dayal, VSM, ADG Acquisition Technical (Army)

Rear Admiral Ankur Sharma, NM, Director General, WESEE



Col R Jithendra, Dir (R&D), Defence Space Agency

Lt Col Amandeep Singh, Northern Command

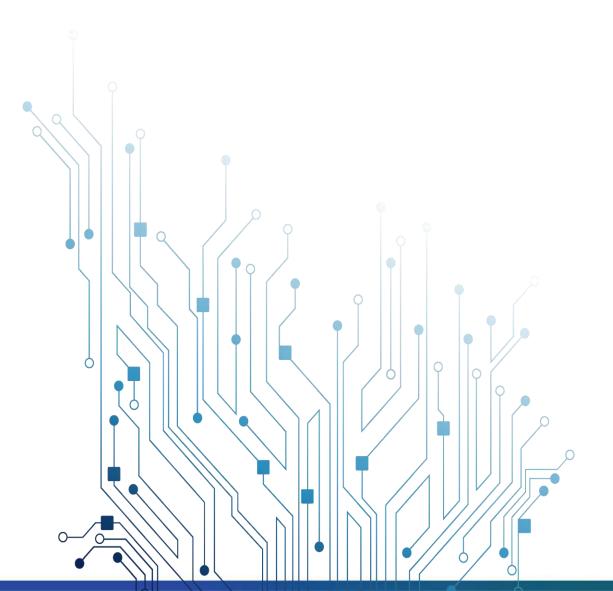
The session on Users Perspective for Defence Electronics Equipment – Expectations from Industry offered a unique opportunity to hear directly from leaders of defence electronics equipment, as they share their expectations from the industry.

Representatives from the defence sector provide valuable insights into their needs, challenges, and pain points, highlighting the gaps between current industry offerings and their requirements. By understanding the users' perspective, industry stakeholders can gained a deeper understanding of how to develop and deliver defence electronics equipment that meets the evolving needs of the defence forces, driving innovation and improvement in the sector.





The Vendor Development Session of **Bharat Electronics Ltd (BEL)** was conducted by **Mr. Amarjeet Singh.** The session focused on BEL's procurement requirements, quality standards, and technological expectations, providing valuable insights for vendors looking to work with the company. Mr. Singh shared their expertise on vendor development process, outlining the steps necessary to become a qualified supplier and exploring ways to enhance the competitiveness of Indian vendors in the global market.











Mr. Sunil D, Matrix Comsec Pvt. Ltd

This special session was exclusively designed for security agencies and police authorities, offering a platform to discuss the latest trends, challenges, and solutions in law enforcement and public safety. The session featured expert presentations, case studies, and interactive discussions on cutting-edge technologies, strategies, and best practices in areas such as surveillance, intelligence gathering, cybersecurity, and crisis management.

Attendees had the opportunity to network with peers, share experiences, and gain valuable insights to enhance their operational effectiveness and stay ahead of emerging threats.





# **DRDO** Pavilion





















### Inaugural Session – 18th July 2024



Guest of Honour: Mr. Hans Raj Verma, Director General, Council of State Industrial Development & Investment Corporations of India



Honoured Guest: Mr. Sandeep Nanduri, IAS, MD, Tamilnadu Industrial Development Corporation Ltd. (TIDCO)

Honoured Guest: Mr. Darshan H.V, IAS, MD, ITBT and S&T, Govt. of Karnataka

The second day of 13th edition of Strategic Electronics Summit 2024 was inaugurated by our Guest of Honour, Mr. Hans Raj Verma, Director General, Council of State Industrial Development & Investment Corporations of India and Honoured Guests Mr. Darshan H.V, IAS, MD, ITBT and S&T, Govt. of Karnataka & Mr. Sandeep Nanduri, IAS, MD, Tamilnadu Industrial Development Corporation Ltd. (TIDCO)





Session II: Emerging Opportunities & Role for Industry in Strategic Electronics



Session Moderator: Lt. Gen. Sanjay Verma, PVSM, AVSM, VSM (Retd), Advisor, DRDO



Mr. Jetendra S. Gavankar, CEO,

Safran India



Lt Gen Neeraj Varshney, VSM, Comdt MCEME



Mr. Ankur Gupta, Director Strategy, Int'l & Ind. Partnerships India, Airbus Defense & Space



Mr. Vedaprakash G, Associate VP, Tata Advanced Systems



Mr. Chandrashekar H.G, CMD,



Dr Anesh Kumar Sharma, Director (Technical), Electronics Corporation of India Limited (ECIL)



Mr. Prabal Mazumder, GM (SLRDC), Hindustan Aeronautics Ltd. (HAL)



The session explored the emerging opportunities and roles for industry players in the strategic electronics sector, driving innovation and growth in the defence and aerospace landscape. Expert speakers discussed the latest trends, technologies, and initiatives shaping the industry, including advancements in areas such as artificial intelligence, cybersecurity, and the Internet of Things (IoT).

Attendees gained valuable insights into the future of strategic electronics and how industry can play a vital role in supporting national security and defence capabilities.



This special session focuses on the critical role of engineering standards in ensuring the quality, reliability, and interoperability of defence and aerospace systems. Expert speakers **Mr. Mohan C Sreenivasan** and **Ms Mallika Shetty** discussed the latest developments and initiatives in standards development, highlighting the importance of standardization in areas such as materials, processes, and testing. The session explored how standards enable innovation, reduce costs, and enhance safety, while also examining the challenges and opportunities in implementing and harmonizing standards across the industry.





#### Session I: Drone Technology in Modern Warfare including Cyber Resilience

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Session Moderator: Lt. Gen. KS Brar, General Officer Commanding (GOC), Dakshin Bharat



Mr. Vish Sahasranamam, Co-Founder & CEO, Forge Innovation and Ventures



Lt Col (Dr) Anupam Tiwari, Advisor (Cyber) to Principal Advisor, MOD



Mr. Ezhilan Nanmaran, Head of Product & Strategic Partnerships, ideaForge



Wg. Cdr P Madhusoodhanan, CEO, TN UAV Corporation

This session delves into the transformative impact of drone technology on modern warfare, exploring its applications, benefits, and challenges. Expert speakers discussed the latest advancements in unmanned aerial systems (UAS), their integration into military operations, and the evolving threat landscape. A key focused was on cyber resilience, examining the vulnerabilities and risks associated with drone technology and the measures necessary to ensure secure communication, navigation, and control.

Attendees gained a comprehensive understanding of the role of drones in modern warfare, including counter-drone strategies, and the importance of cyber resilience in maintaining operational superiority.



The Vendor Development Session was conducted by Hindustan Aeronautics Limited and gave attendees a chance to explore opportunities for collaboration and growth. This session provided valuable insights into HAL's vendor development process, including:- Procurement procedures and policies- Quality standards and expectations- Technological requirements and innovations-Opportunities for partnership and collaboration. Attendees got a chance to network with HAL representatives, understand the company's requirements, and learning how to become a qualified vendor.







It has been felt that there is a need for an industry Award to recognize the excellent work Indian companies are doing in the Strategic Electronics sector. ELCINA took the initiative and instituted defennovation Awards in the year 2018.

ELCINA defennovation Awards aim to recognize outstanding companies who have made exemplary contribution in the field of Defence & Aerospace in Electronics Innovation, R&D, Design and Manufacturing. These awards propel the industry to excel in the field of defence and aerospace Electronics and bring dividends to the entire industry. They encourage the industry to continue efforts and introduce emerging technologies calling for excellence to prove equal to global competition.

The awards were presented at the conclusion of the Inaugural Session by Mr. Hans Raj Verma, Director General, Council of State Industrial Development & Investment Corporations of India , Lt. Gen. Sanjay Verma, PVSM, AVSM, VSM (Retd), Advisor, DRDO and Lt. Gen. AKS Chandele, PVSM, AVSM, (Retd), Ex-DG EME.





## **Defennovation Award Winners 2024**

### Excellence in R&D

- Large Data Patterns (India) Ltd., Chennai
- Large Centre for Development of Telematics (C-DOT), Bengaluru
- SME Mistral Solutions Pvt. Ltd., Bengaluru

### Excellence in Indigenization

- Large Astra Microwave Products Ltd, Hyderabad
- Electronics and Radar Development Establishment (LRDE), Ministry of Defence, DRDO, Bengaluru
- Defense Electronics Research Laboratory (DLRL), Ministry of Defence, DRDO, Hyderabad

### **Excellence in Manufacturing – Product**

- Large Tata advanced Systems, Bengaluru
- SME Qmax Test Equipments Pvt Ltd., Chennai
- SME Idea Forge, Bengaluru

Excellence in Manufacturing – Component (Large)

- Large AMPHENOL Interconnect India Pvt Ltd, Pune
- SME SASMOS HET Technologies Ltd, Bengaluru

### Promising Startup

• Silizium Circuits Pvt Ltd, FabCl, Hyderabad

Promising Technology Company

• Zuppa Geo Navigation Technologies Private Limited, Chennai

Excellence in Standardization supporting Make in India

• Defence Standardization Cell, Ministry of Defence, Govt of India, Bengaluru



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# **Exhibitors List**

- 3ESS ENTERPRISES
- AARJAY INTERNATIONAL PRIVATE LIMITED
- AAVIZA ELECTRONICS PRIVATE LIMITED
- ACCUREX SOLUTIONS PVT LTD
- AI TECHNOLOGY INC.
- AMPHENOL INTERCONNECT INDIA PVT LTD
- ANDHRA ELECTRONICS LTD
- ANRITSU
- APPLIED ELECTRO MAGNETICS PRIVATE LIMITED
- BE ANALYTIC SOLUTIONS LLP
- BHARAT DYNAMICS LIMITED
- BHARAT ELECTRONICS LIMITED
- BHAVANI INDUSTRIES
- CASDIC, DRDO
- CENSE, IISC
- CENTRE FOR DEVELOPMENT OF TELEMATICS
- CHESS, DRDO
- COMAVIA SYSTEMS TECHNOLOGIES PVT. LTD.
- COMSOL
- CONTINENTAL DEVICE INDIA PVT LTD
- CP PLUS
- DATASEC PERIPHERALS PVT. LTD.
- DEAL, DRDO
- DEEPLOOP TECHNOLOGIES
- DEXCEL ELECTRONICS DESIGNS
- DLRL, DRDO
- DUPAT INDUSTRIES PVT LTD
- EAST WEST AUTOMATION TECHNOLOGIES PVT LTD
- ELECTRONICS CORPORATION OF INDIA LIMITED
- ELECTROSOLVE
- ELICO MECHOPTRONIX
- EOXYS SYSTEMS INDIA PVT LTD
- ESSL
- GAETEC
- GALLIUM NITRIDE ECOSYSTEM ENABLING CENTRE
- AND INCUBATOR (GEECI)
- HIMIL UWAVE RESEARCHCO PVT LTD
- HINDUSTAN AERONAUTICS LIMITED
- HLBS TECH PVT LTD
- IIPRD | KHURANA & KHURANA, ADVOCATES AND IP ATTORNEYS•
- INCENSE, CENSE, IISC
- INCORE SEMICONDUCTORS
- IRDE, DRDO
- ITI LIMITED
- JET TECHNOLOGIES

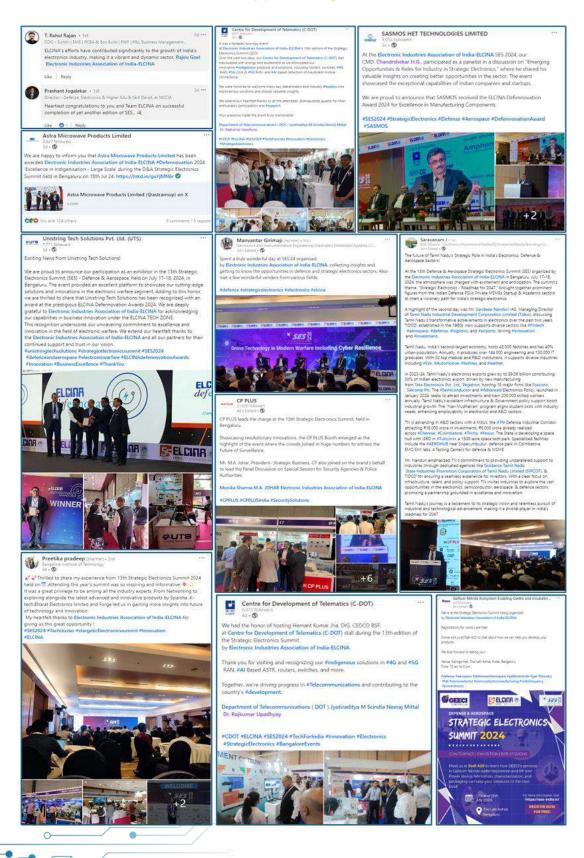
- KAYNES TECHNOLOGY INDIA LIMITED
- KEERTHI INDUSTRIES LIMITED
- LATERN INNOVATIVE ENGINEERING P LIMITED
- LRDE, DRDO
- MATRIX COMSEC
- MCAM SURLON INDIA LTD
- MEL SYSTEMS AND SERVICES LIMITED
- MERLINHAWK AEROSPACE PRIVATE LIMITED
- MESSE MUENCHEN INDIA
- METALLIC BELLOWS (INDIA) PVT LTD
- M-TECH INNOVATIONS LTD.
- MTRDC, DRDO
- NEMKO
- NETRASEMI
- NK RF PRODUCTS & SERVICES PVT. LTD.
- NOIDA ELECTRONICS INTERNATIONAL
- OPPILA MICROSYSTEMS PVT LTD
- PENINSULA ELECTRONICS
- PERAGLOBE TECHNOLOGIES PVT. LTD.
- POWERTEC SUPPLIES PVT LTD
- PREMIER INDUSTRIES
- PULRAJ ELECTRONICS PRIVATE LIMITED
- RAANA SEMICONDUCTORS PVT LTD
- ROTARY CONNECTORS
- RUG REL COMPONENTS & SYSTEMS PVT LTD
- SAWANT PROCESS SOLUTIONS PVT LTD
- SHARANG CORPORATION
- SPARSH CCTV
- STATIC SYSTEMS PRIVATE LIMITED
- SUPERB PRODUCTS
- SYRMA SGS
- TARANG KINETICS
- TATA ADVANCED SYSTEMS LIMITED
- TESCOM
- TESTKONNECT SOLUTIONS
- TRANSPORT CORPORATION OF INDIA LIMITED
- UNISTRING TECH SOLUTIONS PVT. LTD.
- VERDATUM A.I. (P) LTD
- VPS TECHNOLOGY INDIA PRIVATE LIMITED
- VRINDA TECHNOLOGIES PVT LTD
- WORLD ONE INSTRUMENT PVT LTD( NABL ENVIRONMENTAL TESTING AND CALIBRATION LABORATORY)
- XALTEN SYSTEMS PRIVATE LIMITED
- ZETTA WATT PVT LTD



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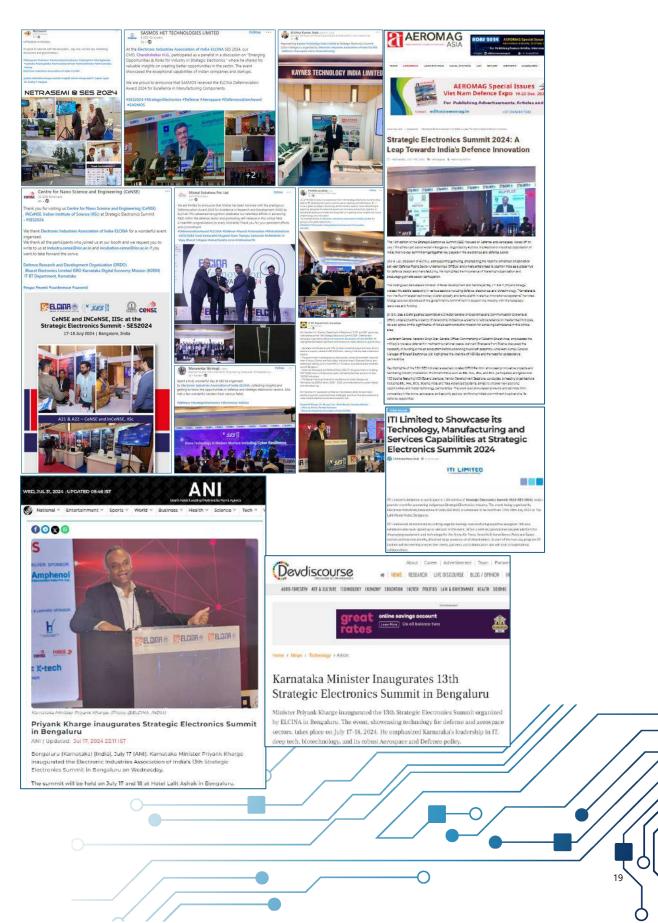
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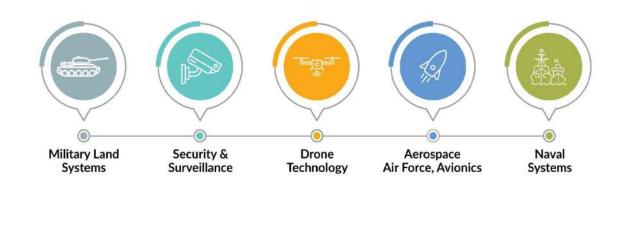


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## **Media Appreciating SES!**







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