

# Corporate Profile



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*To empower and impact every citizen by creating  
relevant and innovative geo-spatial solutions.*”

## Speck Systems –Corporate Overview

Speck Systems Limited, founded in 1981, is a pioneer in indigenizing and innovating a robust line of geospatial technological solutions for both Defence and Civilian customers in India and abroad. *We are leaders in innovation, design, production and indigenization of a range of geospatial and IT products & services in addition to providing Hardware & Software Development, System Integration and even Customization to address the unique requirements of our customers.* Because of our advanced geo-spatial domain expertise, we are also industry leaders in military grade shelters, UAVs, opto-electronics products and communication equipment.

Our key differentiators are our deep experience of over three decades and our carefully groomed capabilities in *extending our core portfolio of opto-electronic systems and geospatial services into customized solutions enhanced with communication products, shelters, and customer support services as required.* We address a wide gamut of markets from military, paramilitary to civil and geospatial markets. In short, **WE INNOVATE TO EMPOWER.**

## Our Core Capabilities

*We continue to invest in our advanced core capabilities: Research & Development (R&D), Product development, Manufacturing and Geo Spatial Services.* We have a strong R&D division that enables us to develop new technologies and enhance existing capabilities for addressing unique challenges of our customers. Our innovative products are manufactured at our world-class facilities in Hyderabad, India with sophisticated engineering, fabrication, and manufacturing equipment. We have proven experience of over 30 years delivering reliable solutions for exacting defence & civil requirements. *Our advanced capabilities and domain expertise in Opto-electronics, Mapping and GIS, Containerization and ruggedization, software, UAV, and systems integration make us an effective offset partner to any overseas company. In addition, our technology alliances, skilled workforce, and customer support capabilities provide the critical edge. The common thread through all our core capabilities is a sustained record of refreshing innovation and strong indigenization.*

## Delivering Value through Products, Services and Customized Solutions

We extend our product and service innovation by innovatively synthesizing them together to deliver appropriate solutions for our customers. We currently offer solutions in Situational Awareness, Infrastructure, Utilities and Urban Planning and Land Reforms. *We are the leading provider of turnkey geospatial applications, and enterprise-wide solutions to the Defence, Central and State government agencies in both domestic and international markets. In addition, we offer products in opto-electronics, mobile platforms, software and UAVs.*

## Geospatial Services

Our Geospatial products and services are based on our extensive competencies in the areas of Mapping, Cadastral surveys and other strategic and tactical applications by leveraging customized GIS, embedded GPS and application software. *We offer solutions in the areas of Digital Mapping, Land Survey, Land Records and LIS, Urban Planning & Management, Utilities, Agriculture & Natural Resources Management, LiDar Mapping, Defence Geo-spatial Intelligence and Data Conversion & Surveying.* We also offer innovative customized solutions for Data Archival & Retrieval Systems – SPECKARTS, Electrical Asset Management Systems -SPECKELECTRIC, SPECKADASTER - a comprehensive land records management system, Aerial Imagery Analysis Workstations (AIWOS) and Land Records Information Systems.

We extend these advanced geo-spatial services into Earth Imaging services, including mapping, integration and installation of proprietary or commercial GIS applications, complete solution integration & installation, and customer support. *We support the complete array of earth imaging requirements from data acquisition up to exploitation and distribution by providing all the necessary tools.* We customize web-based GIS to give GIS functionality to users through their web browser. We integrate with enterprise geospatial and tabular databases to seamlessly provide robust query, analysis and reporting capabilities. We have the expertise and infrastructure to provide these services to domestic customers as well as to overseas partners under an offset framework.

### **Mobile Platforms**

*We have advanced competencies in design, manufacture and integration of EMI-shielded shelters and integrated ruggedized containers critical for mission-critical Defence applications, Healthcare and Telecom.* Our MIL and NATO standard Shelters enable effective operation of mobile command & control, sophisticated mobile emergency hospitals, or any mobile application either for defence or civilian markets.

### **Opto-Electronics**

*We design and develop advanced opto-electronic systems and OEM modules for industrial, military, surveillance and security applications.* We are supported by highly skilled and niche opto-electronics engineering experts. We offer products such as Photowrite systems & AIWOS - innovated and indigenized by us.

### **Communications**

*We design, develop and integrate systems of advanced Communications products to address complex battlefield management challenges.* We seamlessly converge voice, video and data to power and augment our real-time 'situational awareness' solutions on the battlefield. We provide RF and microwave sub-systems, Satellite communication networks, Network management products, and embedded systems as well.

### **Unmanned Aerial Vehicles**

We are licensed to manufacture UAVs and offer a range of leading international UAVs with cutting-edge technologies by leveraging our collaborations and partnerships with major global companies to perfectly align with our customer requirements. *We are specialists in mini and micro UAVs designed for tactical applications and real-time critical situational awareness needs.*

### **Situational Awareness Solutions**

Situational awareness is critical for effective real-time battlefield management by ensuring seamless information sharing between commanding heads and frontline troops via secure wired/wireless networks. This is extremely valuable for informed decision making in dynamic situational awareness and threat analysis situations. *We leverage our core products in the areas of mapping, UAVs, communications, opto-electronics, shelters and software development in creating the right situational awareness solution for homeland security and defence agencies.* Our domain experts review diverse requirements of customers and integrate the multiple components into one rugged and effective solution.

### **Infrastructure, Utilities and Urban Planning Solutions**

The prerequisite for any major infrastructure, utilities or urban planning project is a comprehensive understanding of the specific terrain and its features. We blend information from several sources such as satellite images, aerial photographs, field survey data and existing maps to create a GIS knowledge base. We also specialize in transforming this source data into ortho-photos, 3D data, land use/land cover data, and digital terrain models, all in GIS-ready formats. Our earth imaging solutions also include appropriate photogrammetric data acquisition and post-processing systems analysis. *Accurate imagery translates to better decision making across infrastructure, utilities and urban planning domains for government, military and commercial organizations alike.*

### **Land Reform Solutions**

Geographic information and efficient land administration are an imperative for a country's economic and social development. *Speck offers Integrated Land Information System (ILIS) for use by government agencies delivering services such as surveys, title records, property registrations, transfers, and property taxes.* This information is critical for development and implementation of land policies as well. We are among the first licensees to conduct aerial photography for land information and provide comprehensive solutions for land records administration.

### **Our Unique Value Proposition**

Speck offers a unique value proposition through its wide range of Geospatial, UAV, opto-electronic, Communications and mobile platform products and services to both civil and defence/para-military organizations or as an extremely competent and reliable offset partner to overseas customers. *Our advanced geospatial domain knowledge and insight, comprehensive domestic partner support network, enables us to customize solutions to unique customer requirements.* We can also deliver our off-the-shelf products and services, design and execute complete system integration and installation, and provide on-site support with the help of our vast country-wide network. We have a long, credible and consistent record of innovation, indigenization, and integration that you can depend upon.

### **Speck Brands**

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**fotorite 2030**  
Large Format Photolab System

**NexVue™**  
Metric Medium Format  
Digital Camera

**AIWOS V**  
Aerial Imagery  
Work Station

**SpeckKadaster**  
Land Information System

**SpeckARTS**  
Data Archival &  
Retrieval System

**SPECKELECTRIC**  
GIS Based Consumer Indexing

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