ceinsys

Enhancing Possibilities

Enhancing possibilities through scalable and sustainable solutions for Geospatial, Engineering, enterprise and Technology solutions

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About Ceinsys

For Ceinsys Tech Ltd is a CMMI Level 5, BSE-listed Indian company with domain expertise in **Geospatial, Engineering, and IT.** We are a technology-driven organization specializing in providing Geospatial, Engineering, Enterprise and technology solutions by delivering independent opinions, actionable insights, and efficient solutions to customers across private and government enterprises in the **utility, infrastructure, natural resources, and manufacturing sectors also enabling Smart city solutions. We are also ISO / IEC 270001:2022, ISO 9001:2015, ISO 14001:2015, ISO/IEC 20000-1:2018 certified.**

Ceinsys has a global presence, with offices in **India, the United States, the United Kingdom, Germany and Singapore.** Our marquee customer base includes large corporates, OEMs, asset management companies, and government bodies in the **Geospatial and Manufacturing sectors worldwide.**

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A Quick Snapshot

26+
Years

650 K+
Miles High Resolution
Imagery Data

2.2 Mn
Sq. Ft. + 2000 Ha
Reality Modeling
& BIM

35 K+
Miles of Water
Network Designed
and Implemented

1250+
experienced, result oriented,
trained professionals and
technicians

7 Mn+ Hrs
Engineering Services
Executed in Automotive
and Manufacturing

100 K+
Electrical Network
Processes and
Analyzed

State-Level Integrated Enterprise Projects Implementation
Road-Asset Distress & LiDAR, Pano Data Analysis for Informed Planning

Technology Partners

esri

AUTODESK

Bentley®

HEXAGON

MAXAR

AVEVA
Schneider Electric

Via Tech

OSIsoft.

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Industries We Serve

Ceinsys is enabling clients to harness new possibilities by bringing leading global technologies at play. Delivered locally with focus on sustainability, our teams are qualified and trained to meet customer needs in an integrated manner.

Water

Infrastructure

Energy

Transportation

Natural Resources

Telecom

&

Government

Solutions & Capabilities

Geospatial
Harnessing Geospatial Data Intelligence

Ceinsys provides cutting-edge geospatial solutions, leveraging GIS, LiDAR, and advanced analytics to enable smarter decision-making. Our platforms optimize mapping, planning, and resource management, driving efficiency and innovation across industries.

Solution Offerings

- Acquisition, Processing & Analytics
- Remote Sensing & Change Detection
- As-Built Engineering Drawings
- Network & Fiber Planning
- Advanced Point Cloud Classification & Visualization
- Digital Twin & 3D Modeling
- BIM-GIS Integration

Enterprise Solutions
Empowering Businesses with Smart Solutions

Ceinsys offers tailored Enterprise application integrating GIS, IoT, and AI to streamline operations, enhance decision-making, and drive innovation. Our scalable platforms boost efficiency, collaboration, and sustainable growth across industries.

Solution Offerings

- Digital Project Management Solution
- Land Management Information Solution
- Unified GIS Enterprise Solution
- Intelligent Decision Support Systems
- Geoportals & Dashboards
- Mobile Application (Android & iOS)
- Integration with SCADA, ERP, Project Management, MDAS and Other Third-Party Software

Infrastructure Engineering Solutions
Connected Construction Technologies

Ceinsys leverages Real-time GIS mapping , virtual environments for asset visualization, analyze transportation networks, and conduct impact assessments, enabling smarter movement of people and resources.

Solution Offerings

- Transportation Engineering Solutions
- Road Asset Management System (RAMS)
- Pavement Condition Assessment
- Integrated Digital Project Management System (iDPMS)
- Common Data Environment (CDE)
- Financial Analysis for ROI

Holistic Solutions

Land Information Management System

Ceinsys developed a web-based land management enterprise solution for 66,000 hectares of land across 284 industrial areas using drone surveys enterprise solution streamlining land management, reduced revenue loss enabling detection of land encroachment and changes in land use.

Enterprise Solution for Natural Resource Management

World Bank sponsored project for one of the premier state in the country. The project uses GIS technology for better watershed management. Ceinsys Tech Ltd. created a GIS platform with tools to aid farmers and stakeholders, enhancing decision-making and resource use for sustainable growth.

Specialized OEM Technology

Solutions & Capabilities

AEC, BIM & Digital Twin
Redefining Precision, Empowering Progress

Ceinsys delivers advanced AEC and BIM solutions, integrating BIM and GIS for seamless collaboration, project visualization, and efficient data sharing. Enhancing coordination, and unify spatial and non-spatial data for synchronized project management.

Solution Offerings

- Scan to BIM/Model
- BIM Services
- Common Data Environment (CDE)
- Construction Monitoring for 4D and 5D BIM
- Digital Twin & Reality Modeling

Smart Water Management
Enhancing Possibilities for Sustained Water-Efficiency

Our smart water management solutions, powered by IoT, address critical challenges in equitable water access. From household needs to industrial demands, we provide multi-sectoral solutions for water resource development, infrastructure, and wastewater treatment, with technology at their core.

Solution Offerings

- Detailed Project Report
- Project Management Consultancy
- Third-Party Inspection
- Non-Revenue Water Management
- Digital Project Management System
- Smart Water Management
- IoT-Enabled Smart Water Solutions
- SCADA & Automation

Smart Energy Management
Empowering Safer, Smarter, and Cleaner Energy Solutions

Ceinsys provides GIS-based energy solutions to enhance operations, optimize asset performance, and streamline management. Our offerings include efficient design, resource allocation, outage and distribution management, power line monitoring, and installation planning, driving a transformative shift in energy management.

Solution Offerings

- Unified Enterprise GIS
- SCADA & Automation
- Real Time Operational Data Management Infrastructure
- Managed Services
- Powerline Design & Modelling

Holistic Solutions

Digital Project Management System

Ceinsys developed and implemented a state-of-the-art Digital Project Management Platform (DPMP) integrating 5D BIM, GIS, ERP, and a Command Centre supported by HD drone imagery and GIS-based progress monitoring to address traffic congestion and enhance decision-making for a 94 km expressway.

IoT Enabled Smart Water Solution

Supporting Ministry of Jal Shakti's Jal Jeevan Mission, Ceinsys is implementing IoT-enabled solution for asset management, automation, monitoring, billing, and smart water upgrades engaging key project components of solution design, instrumentation, installation, and dashboarding.

Unified GIS for Smart Energy Solution

Ceinsys designed a modern GIS platform for managing electrical assets across 587 towns by integrating appropriate connector / web services with existing legacy, RAPDRP, ERP systems and latest technologies like ADMS, SCADA, DA, AMR, AMI, MDM, ADR and OMS resulting in reduced in Distribution Losses by 15%.

Specialized OEM Technology

esri   AUTODESK   Bentley   SAP   ORACLE PRIMAVERA   AVEVA Schneider Electric   OSIsoft

Driving Efficiency Through Smart Technologies

Tech Play, our specialized business unit, is dedicated to empowering industries and businesses to thrive in the digital age by leveraging advanced technologies such as AI, IoT, 3D Reality Capture, Geospatial Technologies, and Digital Twins. With a strong focus on AI-powered engineering solutions, we integrate cutting-edge innovations like AI, ML, VR/AR, and Digital Twins into modern web and mobile platforms. Our mission is to revolutionize industries by enhancing operational efficiency, improving accuracy, and enabling smarter decision-making through technology-driven solutions.

Our Core Service Offerings

Web GIS Development

custom web mapping solutions that provide interactive geospatial data visualizations.

- Interactive Maps
- Data Visualization
- User-friendly Interfaces
- Customization

Desktop GIS Solutions

Custom ArcGIS applications and QGIS plugins for advanced geospatial analysis.

Full Stack Development

Robust and scalable web applications using MERN and Java Spring Boot technologies.

Geospatial Services

- Data Processing
- Spatial Data Analysis
- 3D Geospatial Visualization
- Advanced Image Processing
  - Python-based Image Analysis
  - C++ High-Performance Image Processing
  - Geospatial Image Enhancement Techniques

GeoAI Applications

Machine learning algorithms and predictive models to extract insights from geospatial data.

Cutting-Edge Mobility Solutions

Drive into a smarter future from concept to manufacturing and beyond for the automotive industry

Our solutions spectrum covers all industries within the mobility segment - passenger cars, commercial vehicles, off-highway vehicles and 2-wheelers. We offer leading solutions built on top-notch quality. Today, smart technologies are redefining the entire conceptualisation, design, manufacturing and process ecosystem. We are empowering clients to unearth the technology prowess through a wide spectrum of solutions that are paving the way for a smarter, technology-led outlook to mobility industry, comprehensively.

Our focus solutions include: Style and sketch, concepts, feasibility, design & validation, CAD & ECM, pre-series development, plant engineering and manufacturing engineering.

Mobility Virtual Validation

- Crash: Vehicle Crash, Impact, Occupant safety, Rollover, Accident reconstruct
- NVH: K & C simulation, Ride & Handling, Powertrain NVH, Mount Optimization
- Durability: Static, Transient, MBD, Non- linear, Seating systems
- CFD: Underhood, External, Climate control, Powertrain, Battery thermal
- Forming Solution: Special forming projects, Value Engineering, Climate control, Cycle time reduction, Quality improvement
- Injection Moduling: Product design validate, Value added engg, Optimization of product/ mould/process, Light Weighting, Mould design

Mobility Electrification

- Mechanical systems like body assembly and frame assembly.
- Electrical systems like wiring harness and embedded systems
- Complete battery thermal management
- Integrated battery system validation

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Registered Office:
Ceinsys Tech Ltd
10/5, IT Park, Opposite VNIT,
Nagpur 440022,
Maharashtra, India.
+91 712-2249033/358/930

Branch Office:
Ceinsys Tech Ltd.
Amar Madhuban Tech Park,
Office No- 802, 8th Floor,
Opp. Audi Showroom, Baner,
Pune – 411045,
Maharashtra, India

Europe:
Allygrow Technologies GmbH
(A Ceinsys Tech Company)
Am Seedamm 44 ▪ 60489
Frankfurt / Main, Germany

Corporate Office:
Ceinsys Tech Ltd.
1601, Lodha Supremus, Senapati
Bapat Marg, Lower Parel West,
Mumbai-400013, Maharashtra,
India. Ph: +91 22 49472200

Branch Office:
Ceinsys Tech Limited
Unit No. 2103-A, 21st Floor,
A Wing, Marathon Futurex,
Mafatlal Mills Compound,
N. M. Joshi Marg, Lower Parel,
Mumbai – 400013

USA:
Ceinsys Tech
4435 S Old US Hwy 23,
Brighton, Michigan 48114,
United States

Branch Office:
Ceinsys Tech Ltd.
603, Titanium Shalimar
Corporate Park, Vibhuti Khand,
Gomti Nagar, Lucknow -226010,
Uttar Pradesh, India.
Ph. +91 522 6900846

USA:
AllyGrow US
(A Ceinsys Tech Company)
691 N Squirrel Road,
Auburn Hills, MI 48326,
United States

www.ceinsys.com

info@ceinsys.com

in LinkedIn/ceinsys-tech-limited/