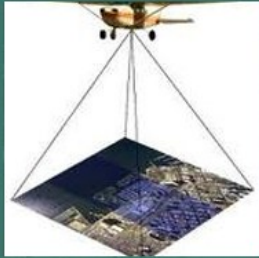
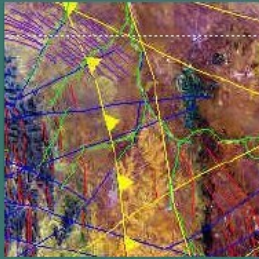


AABSYS GEOSPATIAL FACILITIES - RS & PHOTOGRAMMETRY



AABSyS INFORMATION TECHNOLOGY PVT LTD

E/54 and E/54 /1, Infocity, Chandaka

Industrial Estate, Patia, Bhubaneswar-751024, INDIA

Tel: +91- 8093055570, Fax: +91 (674) 662 1000

E-mail: bizhead.gis@aabsys.com (or) sales@aabsys.com

Web: <http://www.aabsys.com>

TABLE OF CONTENTS | AABSyS Company Profile

1	AABSyS Brief Company Profile	3
2	Infrastructure	4
3	Our Services in RS & Photogrammetry	6
4	Our Experience in RS & Photogrammetry	8
5	RS & Photogrammetry - Capabilities	9
6	Office Locations	12

BRIEF COMPANY PROFILE OF AABSYS IT PVT. LTD

1	Name and Address	:	AABSyS IT Pvt. Ltd. Plot No. E/54 and E/54 /1, Infocity Chandaka Industrial Estate, Patia Bhubaneswar-751024, Orissa, INDIA
	Contact person	:	P. Ravi Head of Business Cell: +91-9989545240
	Email ID of contact person	:	ravi.pekala@aabsys.com arun.patnaik@aabsys.com
	Year of Establishment	:	1998
2	Quality Certification	:	ISO 9001:2008 & ISO 14001:2004
3	Name of the Directors	:	Mr. Arun Patnaik Mr. Ajay Patnaik Mr. Binod Mahanty
4	Memberships at reputed organizations	:	NASSCOM: National Association of Software and Services Companies STPI: Software Technology Parks of India IACC: Indo-American Chamber of Commerce DGFT: Directorate General of Foreign Trade
5	Experience in Geospatial services	:	12 years

INFRASTRUCTURE



AABSyS's state-of-the art infrastructure is located in Infocity, Bhubaneswar, Orissa, one of India's prime information technology centers and offers a professional working environment. It is well connected to National and International destinations by road, rail and air and is situated in close proximity to International hotels. The presence of many engineering colleges and research institutions in Bhubaneswar assures the disposal of a pool of highly educated, young computer engineers and IT professionals.

INFRASTRUCTURE & FACILITIES

- Dedicated software development center spread across 43,000 sq.ft for 350 IT professionals.
- Plotters, scanners and printers apart from other supporting systems
- Licensed software's for all production processes
- Central air-conditioning
- Dedicated high speed internet bandwidth access
- 24 hours IT support
- Firewall and network security
- Power back-up and generator
- Conference rooms
- Canteen and relaxation rooms
- Private security
- Parking

WORKING ENVIRONMENT

- Big open hall of production lab gives a sense of openness of thinking and white color helps to give energy for a peaceful creative thinking
- Central Air conditioning keeps the work place at a cool condition
- Conference room is equipped with all facility and furniture, which helps to conduct meetings and discussions.
- A beautiful garden having lush green field and many medicinal plants helps employees to re-energize themselves.



OUR SERVICES IN RS & PHOTOGRAMMETRY

AABSyS offers Remote Sensing & Photogrammetry services in following areas:

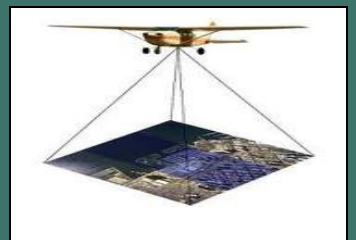
DIGITAL PHOTOGRAMMETRY AND IMAGE SERVICE

AABSyS provides professional mapping services with on-time delivery schedules and in a cost effective process. The high standards are maintained by using the latest digital photogrammetric technology and software

We use state of the art photogrammetric workstations. Our advanced technology and stereo plotting facility ensures optimal quality in your georeferenced, color balanced and seamless orthophotos. Digital data captured through photogrammetric techniques is used to generate cross-sections, contour overlays for photomaps, Digital Terrain Models, volume calculations and conventional detail maps. We work on Microstation environment and data can be exported to any CAD/GIS format. An intense quality assurance process ensures 100% adherence to customer specifications

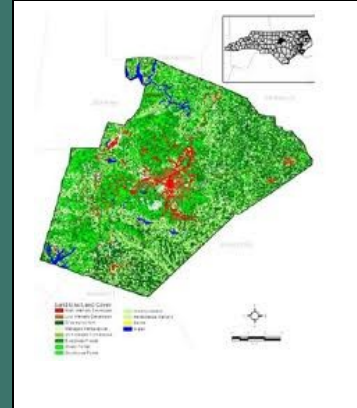
DIGITAL PHOTOGRAMMETRY SERVICES INCLUDE:

- Stereo compilation
- Radiometric and geometric image processing
- Digital edge matching & tone matching
- Digital mosaicing
- Large scale mapping
- 3D image rendering
- Planimetric Feature Extraction
- Contour Generation
- Orthophoto Generation / Ortho rectification
- LIDAR Data Processing
- 3D City Modeling
- Aerial Triangulation

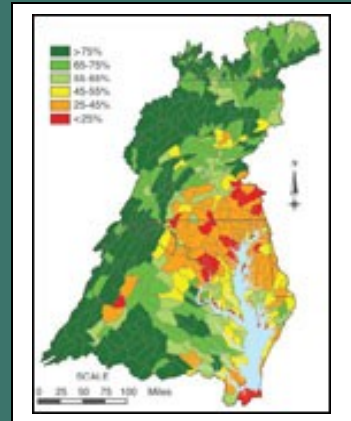


REMOTE SENSING SERVICES INCLUDE:

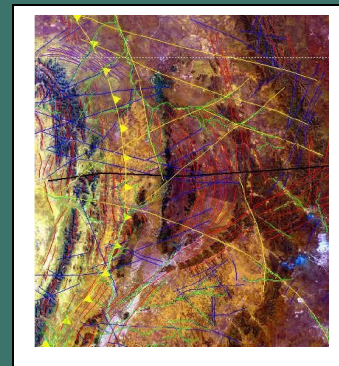
Agriculture: Crop mapping yield estimation, Suitability assessment studies, Change detection studies, Developing crop models, Damage and land degradation assessment studies.



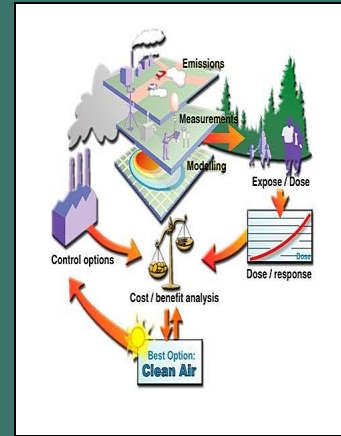
Forestry: Forest management and suitable livelihood development, Species level classification and biodiversity mapping, Change detection studies, Environment impact assessment studies



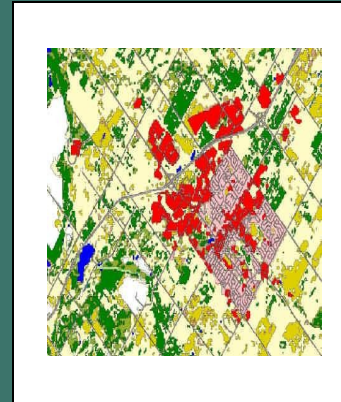
Mining & Geology: Site suitability analysis, Mineral mapping to identify potential mineral zones, Lithological structural features, Geological database creation, Map update for mineral exploration.



Environmental Impact Assessment: AABSyS is having experience in Environmental Impact Assessment (EIA) studies to define the status of environment (like air quality data, water quality data etc.). AABSyS caters to the need of creating and disseminating of organised environmental data for various developmental initiatives, AABSyS stores data in GIS format and makes it available to all environmental impact assessment studies in a cost effective and timely manner.



Wireless Telecommunications: AABSyS supplies a wide range of high quality and up-to-date high resolutions spatial datasets upto 2.5m and 5m resolution. Layers available: Clutter, DTM, Vectors & Building Heights.



OUR EXPERIENCE IN RS & PHOTOGRAMMETRY

AABSyS provides services in large-scale mapping using image processing and photogrammetry technologies for Utilities, Urban development, Forest / Natural Resources, Environmental, & Transportation sectors.

AABSyS skills include knowledge in RS & Photogrammetry programs such as ERDAS Imagine, ER Mapper, ILWIS, PCI Geomatica, Z/I Suite - SSK, Leica Photogrammetry Suite (LPS), Geomedia Ortho Pro, DATUM and PHOTOMOD.

AABSyS's online query management system ensures that queries related to projects are directly raised by operators and published to the customer with pictures and descriptions. This allows the customers to understand and review "open queries" relating to large-scale projects. Customers give feedback directly on the Query Management System (QMS). This facilitates large-scale execution of projects at ease.

Our quality procedure involves multiple color plots at different stage of production, manual and on-screen cross check of electronic files against source documents and utilization of automated quality tools and routines to ensure 100% quality.

We follow strict and ethical business practice at our work place. We ensure use of licensed software's for all our project work. We promote good and friendly work environment leading to employee growth and high levels of employee satisfaction and that promotes high employee retention in our company. AABSyS software training policy ensures that all our resources have good knowledge of software, specifications / requirements, quality processes, and methodologies. Our entire project team goes through multiple trainings before joining a project, thus we ensure quality deliveries, high levels of performance efficiency and customer satisfaction.

RS & PHOTOGRAMMETRY - CAPABILITIES

INDUSTRY	DESCRIPTION	STANDARDS FOLLOWED	HIGH SKILLS IN	TECHNOLOGIES
Municipality, Geological, Environmental, Mining	Digitization, attribution and georeferencing of detailed cadastral maps, City plans, Road network, and other attributes Land use classification, processing of satellite data	As per customer's specification	Data creation & Image analysis	AutoCAD, Microstation and ArcGIS ERDAS Imagine
GIS for Utility Networks	Utility Mapping (Electricity, Gas, Water, Sewage) - Rubbersheeting, digitization, data base design, attribute filling	As per customer's specification	Data creation, Data base modeling & analysis	Smallworld, ArcFM, Microstation and AutoCAD
Contour Maps preparation	Large scale preparation of Contour maps to provide an accurate graphical representation of cultural and natural features.	As per customer's specification	Data creation & Image interpretation	AutoCAD (Civil 3D) ERDAS Imagine
Thematic Map Preparation	Preparation of Thematic maps to portray a particular theme on a geographic map for general information of spatial patterns in a region.	As per customer's specification	Data creation, Image interpretation & analysis	AutoCAD ERDAS Imagine

<p>TOPOGRAPHIC MAP Zoning & Contouring</p>	<p>3D modeling and analysis of effects of earthquakes and other influences on the region</p> <ul style="list-style-type: none"> Scanned images of earthquake-prone zones were digitized The topological information such as contour lines, streets, rivers, lakes and geographic information such as vegetation lines, state and district boundaries were digitized in specified layer The contour lines were drawn as per the elevation information provided on the scanned image. Digitized maps were rubber-sheeted and merged to obtain a single map. Plot of vectorized map was matched against the source hard copy on a lighted glass table. 	<p>As per customer's specification</p>	<p>Data creation, Image interpretation & analysis</p>	<p>ERDAS Imagine</p>
<p>ZONING MAP Creation</p>	<p>Digitization of specific zones on the raster images.</p> <ul style="list-style-type: none"> Scanned images were taken as a reference and digitized using AutoCAD software as per the client's specification. Polygons were created for different zones. Filling work was done as shown on the scanned image. 	<p>As per customer's specification</p>	<p>Data creation, Image interpretation & analysis</p>	<p>ArcGIS / ERDAS Imagine</p>

<p>Geological MAP Creation</p>	<p>Capturing of points with its altitude and depth of minerals as attribute data.</p> <ul style="list-style-type: none"> Scanned images were registered as per the supplied geo-coordinates Points were captured Attributes such as altitude of point, depth of different type of material viz. Pb, Cu and Ba at the point location were captured Thorough quality check was done for attribute data correctness 	<p>As per customer's specification</p>	<p>Data creation, Image interpretation & analysis</p>	<p>ArcGIS / ERDAS Imagine</p>
<p>Processing of Ortho Photos</p>	<p>Planimetric Data Creation using Photogrammetry Technologies in 2D Environment</p>	<p>As per customer's specification</p>	<p>Image interpretation</p>	<p>Photogrammetry</p>

OFFICE LOCATIONS

CORPORATE OFFICE	US REPRESENTATIVE	GERMANY & FRANCE
<p>Mr. Ravi Pekala Plot No.E/54 & E/54/1, Infocity, Chandaka Industrial Estate, Patia Bhubaneswar - 751024, Orissa, India</p> <p>Telephone (India): General enquiries: +91 - 674 - 662 1016 Sales enquiries: +91 - 674 - 662 1007 +91 - 674 - 662 1008 +91 - 674 - 662 1009</p> <p>Telefax: +91 - 674 - 662 1000 Email: info@aabsys.com Email: ravi.pekala@aabsys.com</p>	<p>Mr. Lonnie B. Floyd 14001 Lowell Avenue, Overland Park, Kansas City, USA- 66223</p> <p>Mobile: +1 - 913 - 269 - 4430 Email: info@aabsys.com</p>	<p>Mr. Juergen Skucek Dipl. techn.rer.pol. 3, rue de la Haute Vienne F-67470 Niederroedern</p> <p>Tel: +33 388861406</p> <p>Mobil-D: +49 1717919391 Mobil-F: +33 650270998 Email: info@aabsys.com</p>