

Providing superior outsourcing
services for the future of business



➤ CAD / ENGINEERING SERVICES / GIS

About Datassured ▲

Datassured is a leading US based global provider for business process outsourcing (BPO), transaction processing and customer care services to Fortune 5000 companies. Datassured is focused on building solutions that deliver a depth of services within our target market segments, Datassured's integrated solutions provide you with the freedom to concentrate on the core competencies that drive your business. These solutions are combined with strong business analytics to deliver more rewarding customer interactions. The end result lower cost for our clients and higher quality of services to end customers.

CAD / ENGINEERING SERVICES / GIS

Datassured provides CAD, Engineering and GIS services to support distinct engineering requirements across various industries. We adopt a solution-based approach to address varied customer requirements and provide cost-effective end-to-end services.

The core team of Datassured Engineering Services Division comprises experienced domain specialists. Our expertise backed by strong quality initiatives has enabled us to surpass customer's expectations over the years.



Our consulting and outsourcing services formulate strategy, execute processes and manage technology to deliver top line growth and/or operational cost benefits

TECHNICAL CAPABILITIES

SERVICE OFFERINGS

/// CAD

Our team is well versed in drafting of paper drawings of all disciplines into digital format. The drawings may be of Mechanical, Structural, Civil, Electrical or Architectural discipline or Maps as per the specific client requirements, such as, Layer, blocks, colors etc. We are well versed in using Raster-to-Vector software like CAD Overlay, for conversion of scanned images into CAD vector graphics.

- /// PAPER TO VECTOR CONVERSION
- /// RASTER TO VECTOR CONVERSION
- /// HAND SKETCHES TO STANDARD DRAWING FORMAT.
- /// DRAFTING TO 1:1 DIMENSIONS
- /// ADDING ATTRIBUTE DATAS

Our team is also capable of producing the above using Bentley Microstation packages.

/// ENGINEERING SERVICES

Datassured offers a broad spectrum of Engineering services to reduce product design cycle time and costs

- /// ARCHITECTURAL
- /// STRUCTURAL
- /// ELECTRICAL
- /// HVAC
- /// PLUMBING
- /// VRD (EXTERNAL UTILITIES)

/// GIS

On the GIS sector, we will be able to map all your resources, roads with the buildings and attach the relevant database for the same. You could fire any query to get the information of any resource on the map and the information is made available.

Today's digital orthophotos are regarded as the ultimate tool for any GIS, offering the same accuracy as a standard topographic map of the same scale but with the added visual content of aerial photography. An accurate and striking base map, applications for digital orthophotos include environmental management, engineering design, planning databases, retail and resource management.

Typically the project involve the following activities

- /// GEO REFERENCING
- /// DIGITIZATION AND LEVEL STRUCTURING
- /// EDGE MATCHING
- /// POLYGON CREATION AND LAYERISATION
- /// ATTRIBUTION
- /// COLOR MAPPING
- /// EXPORT TO REQUIRED FORMAT

Quality Control is the most crucial part of our work

All of our converted drawings confirm to your requirement

- | LAYERING
- | TEST STYLE AND FONTS
- | HATCH PATTERNS
- | SYMBOLOGY
- | LEADERS
- | DIMENSIONS



- | Architecture
- | Structural
- | Electrical
- | HVAC
- | Plumbing
- | VRD

ENGINEERING SERVICES

/// ARCHITECTURE

We provide concept designing for proper utilization of space with interior detailing and complete architectural services. We develop all types of design for Marble wall cladding & flooring, and false ceiling details. As per the client requirement, accurate and clear drawings with comprehensive details for all areas are developed. We also serve in Preparation of Bill of Quantities and Preparation of working drawings.

/// STRUCTURAL

We can provide the services of Analysis of any Structures using STAAD software package (A Structural Analysis And Design Software from Research Engineers Inc., USA). Apart from the Analysis of Structures as mentioned above, we are also capable of Design of Structural Members using AISC Standards and R.C.C. Members using ACI Standards.

/// HVAC

HVAC systems are necessary components of modern buildings. Air conditioning and ventilation systems can significantly affect a building's profitability. These systems consume about one-fourth of an office building's electricity, and they often have a strong influence on worker productivity. HVAC services provide air-conditioning for residences, palaces, business complex, mosques, security buildings, and compounds (apartments) e.t.c. Each client has its own standards and engineering concept for HVAC's like type of building (royal, VIP, staff) to be decided before the start of design. For starting the design for any project, the basic inputs required are like base architectural drawings, furniture layout, MSP file, pantry/kitchen/laundry load, plumbing load, low current data, high current data e.t.c.

/// ELECTRICAL

Electrical system will be designed based on the total load requirements. The loads of the equipment's may be lighting, motors, HVAC, Plumbing, fire fighting, lifts & escalators e.t.c. Based on the load requirement the primary equipment like high voltage (HV) panel, transformers, bus ducts, main power distribution panel, generator set. Distribution Boards (DB) shall be located depending on the load centers, whereas the primary equipment's shall be located away from the main living area with safety as primary consideration and also depending on plot plan details. We will provide design guidelines / design basis as a project specific document to explain the electrical system based on the International Codes & Standards. Client will give inputs like the short-circuit level, quality of power, voltage level, frequency of power outage, soil resistivity e.t.c. , based on this we will design the electrical system to suit to the requirement.

/// PLUMBING

Our Plumbing Design experience includes Domestic Water Systems, Sanitary Waste Systems, Storm Drainage Systems. The respective systems and/or assemblies are designed in accordance with applicable code requirements and in conjunction with the rules and regulations of the utility companies involved.

/// VRD (EXTERNAL UTILITIES)

VRD is a French Word "Voie Réseau Dessin" means "Road Network Design" or simply External Utilities. External Utilities Design comprise of ground slopes design, fixing the floor levels, economical design & routing for waste water, cold water, rain water, electrical and chilled water pipes from the building to the main source, Developing synthesis drawing for all the networks and Sectional drawings to show the cross-over of networks.



- | Voice Support
- | eMail Support
- | Live Chat

SERVICE CHANNELS

/// TECHNICAL CAPABILITIES

Datassured has a wide range of skill sets. We constantly upgrade our skills to be the leading edge technology provider.

/// SOFTWARE PACKAGES

AutoCAD, MicroStation, Caneco, STAD Package, Arc INfo, MapInfo, Arc View, AutoCAD Map

/// OPERATING SYSTEMS

Windows NT, Windows 2000, Windows XP and Win98

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