# DCT/LT

*Integrated field-to-cloud and web based data collection, analysis, reporting and geo-analysis system for public sector*

## QUICK OVERVIEW

The AGS **DCT/LT** product provides an integrated solution for offline field data and cloud data collection into a centralized repository. Solutions currently provided through this technology include law enforcement and inspections. The DCT technology provides unlimited opportunity to collect, verify, centralize and report on any data. The ease by which this is done flows from DCT/LT's administrated form and rule building blocks.

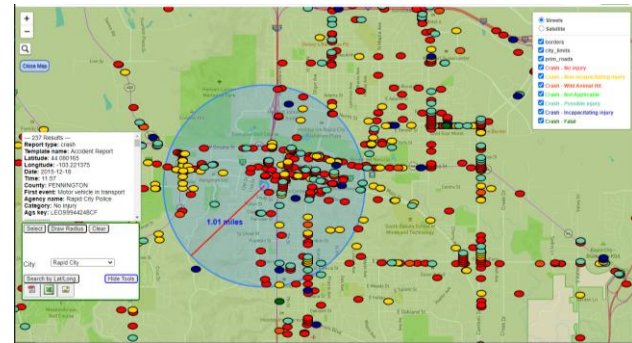Included in DCT are configurable dashboards to streamline workflow.

DCT provides sophisticated data collection forms with guided data entry, rules based validation and configurable security and workflow. Sample data collection form is shown below.

Another example of a data collection form appears below.

GIS integration is included. A sample pin map is shown below.

And e-commerce is available where public records provision is needed.

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## DCT/LT Client

The **DCT/LT** client is a standalone application for offline data collection. Offline client application features include:

- Dashboard
- Streamlined data entry
- Forms linking
- Interform auto-populating
- Rich narrative entry
- Image attachments
- Rules based validation
- Reporting
- Application auto-update
- Bar scanner interface
- GPS interface
- Other application interfaces (e.g. dispatch)
- Data synchronization with central server. When Internet is accessible the client application synchronizes its data with the central server. Subject to configuration, synchronization includes pushing collected data, receiving shared data, updated reference data, application rules, validations and software updates.
- Drawing/diagram tool
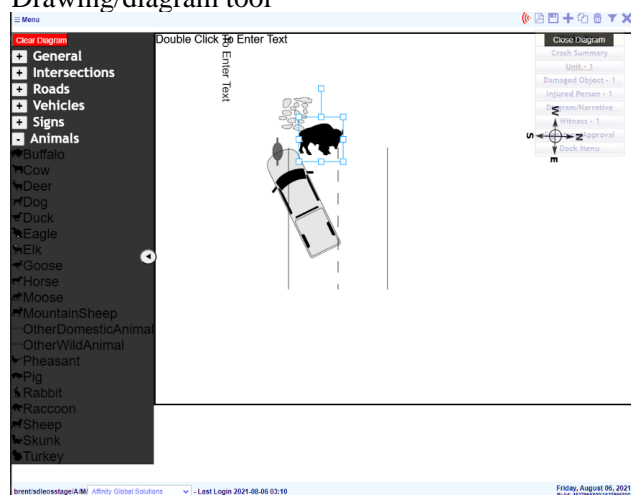


- Map/GIS integration

## DCT/LT Central Server

The **DCT/LT** server is a multiuser web application that supports all data entry features of the standalone client application and also provides for centralized analytical and management operations:

- Consolidated database
- Dashboard
- Streamlined data entry
- Forms linking
- Interform auto-populating
- Rich narrative entry
- Drawing/diagraming tool
- Map/GIS integration
- Image attachments
- Rules based validation
- Reporting
- Heat mapping
- Secure web service API query
- Form builder
- Rules builder
- Security management
- Context sensitive online help
- Data synchronization management
- Centralized device, user and security management
- Ecommerce integration
- Analytical reporting
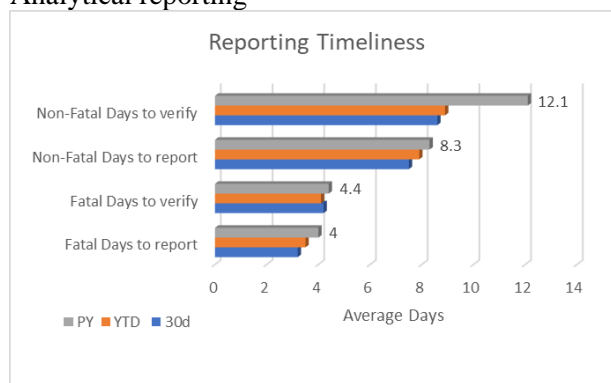
## Hosting

AGS offers both AGS Cloud hosted and also self hosted options. DCT/LT is platform independent. AGS hosting includes:

- Unlimited user licensing
- Dedicated hardware
- Dedicated disaster recovery
- Firewall configurations including IP whitelisting and regional/Geo-IP restrictions
- Optional 2FA client certificate security
- Monthly restoration test and validation

## Ad Hoc Dashboard & Query

DCT includes an integrated business intelligence query. This BI functionality includes creation and deployment of dashboards, charts, data sets and queries. Further, each of these includes import/export capabilities such as remote data query, local data import, as well as data/graphic export. As with the entire DCT system, this is configurable by role to provide any level interaction from preconfigured dashboard views through to dashboard development, chart & data set creation, and SQL query. All of this functionality is secured through DCT role security so administrators can provide users with ad hoc access while being confident that the solution enforces role data access privileges. A sample dashboard is shown below.
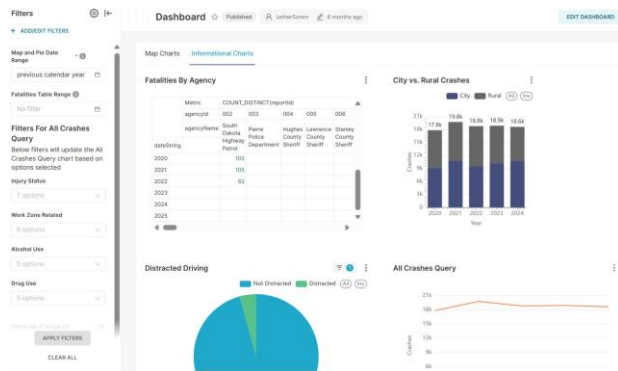


A sample chart configurator is shown below.
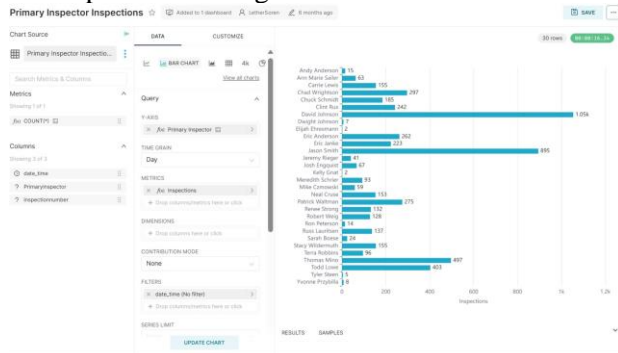


## DCT Toolkit

DCT includes a complete set of administrative tools for developing data collection forms, applying business rules, configuring dashboards, menus, user roles, security and more. The forms developer is show below.
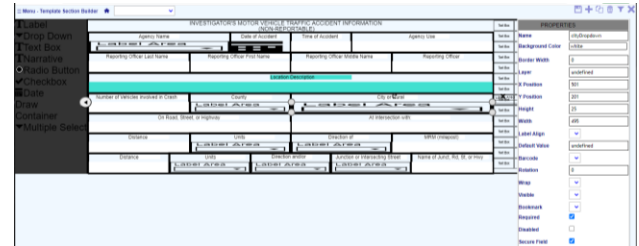


## Security

DCT has an enterprise role based security model that is configuration based. This provides complete flexibility in setting up each system's security. Users, roles, password controls and their associated security are configured through DCT administration screens. Security configuration covers:

- User administration and role association
- Role administration and functional associations
- User agency association
- Workflow (submission, approval, etc.)
- Dashboard views
- Menu, screen, reporting access
- Screen section and field access
- Screen operational access (e.g. access to functional features such as data Approval)
- View, Insert, Delete, No Access by data set
- Password complexity and expiration parameters
- Full audit trail

## Technology

- Enterprise licensed
- Browser compatible with Edge, Internet Explorer, Firefox, Chrome, Safari, and Opera
- Enhanced usability and functionality achieved through AJAX and Fetch API
- Oracle, SQL Server and MySQL compatible, portable to other databases
- Platform independent, runs on any Java EE compliant application server
- Optional OpenID/OAuth2 user access integration
- Optional standalone client for offline data collection and central server synchronization
- AGS hosted or client hosted

## Benefits

**DCT/LT** makes the analysis and collection of data more effective and efficient by:

- Gathering and validating data at the source
- Data collected is consistent, structured and validated data through:
    - Providing online edit checks
    - Optimizing data entry based on selections
    - Validating data
    - Populating form data through scanning
    - Populating location through GPS and/or map based selections
    - Cross populating entries to eliminate redundant forms and re-keying of information
    - Collecting supporting detail to substantiate entries in the way of rich narrative, attaching images, etc.
    - Providing search and reporting tools
- Supports centralize management of devices, users and reference data
- Integrating scanners, GPS and dispatch within the field client application

## Research and Development

Affinity Global Solutions has dedicated staff focused on providing public sector solutions. **DCT/LT** is a vibrant product with significant ongoing R&D that ensures our customer's investment is retained as business requirements and technologies change.

Our daily interaction with customers gives us a unique knowledge of the pressure points users face using AGS applications. As a result we provide product features that makes **DCT/LT** robust, fast, easy to use and efficient to maintain.

New features and components are provided to our **DCT/LT** community through standard maintenance. Annual presentations keep everyone up to date on what new features are available, what other entities are doing with **DCT/LT** and what future development is planned over the next year.

## Cost of Ownership & Licensing

AGS offers an enterprise product with a low cost of ownership through:
- Advanced DCT toolset
- AGS niche focus
- No 3rd party licensing
- Stream lined AGS operations
- AGS maintained data center
- Skilled staff with longevity

AGS products are enterprise licensed which means they have no restrictions on registered users, concurrency or application instance count unless otherwise proposed or contractually agreed.

## Support

Clients are provided access to the AGS issue tracker. The issue tracker is accessed through a browser to register/track issues. Clients also primary and secondary contacts available through email, office phone and cell phone. In the event of an emergency, AGS staff are available after hours, and on weekends, for assistance.

AGS's support services include regular software updates, standard enhancements, and any necessary fixes as registered in the issue tracker and/or communicated to AGS by written request.

Our personal attention to customer needs and priorities is unrivaled.

Affinity Global Solutions takes pride in providing solutions that has few proprietary technology dependencies. For this reason the **DCT/LT** user interface (browser navigation and dash board), security, reporting and publications, narrative and processing logic are all written/programmed by Affinity Global Solutions. The result is limitless flexibility to provide technology solutions, unfettered by the restrictions of 3$^{rd}$ party licensing and components.

**DCT/LT** is highly open standards compliant in order to support the broadest range of target application server and browser environments. Technologies used to support **DCT/LT** are:

- JAVA & JSP (Java Server Pages)
- HTML5 (Hypertext Markup Language)
- JavaScript
- AJAX (Asynchronous JavaScript and XML)
- Fetch API
- XML (Extensible Markup Language)
- CSS (Cascading Style Sheet)
- XSLT (Extensible Style Language Transformation)
- SVG (Scalable Vector Graphics)
- JSON (JavaScript Object Notation)
- GeoJSON (Geographic JSON)
- JDBC (Java Database Connectivity)
- PDF (Portable Document Format)

Use of open standards ensures that as application technologies change, **DCT/LT** has the broadest available options to adapt and quickly meet needs.

Enter your User ID and Password to log onto eBudget System

User ID

Password

Login

Clear

Forgot Password?

## THE COMPANY BEHIND THE SYSTEM AFFINITY GLOBAL SOLUTIONS

**DCT/LT** was developed by Affinity Global Solutions of Bismarck, North Dakota. It employs the latest web technologies while representing over **_nearly 30 years_** of development and refinement. Affinity Global Solutions (AGS) was founded by individuals who gained their expertise with KPMG Peat Marwick, Andersen Consulting and Electronic Data Systems. AGS has implemented enterprise-wide systems in the States of Kansas, Maine, Montana, New Hampshire, North Dakota, South Dakota, Oregon, Wyoming and New Jersey.

## SUMMARY - WHAT TO DO NOW

If you would like a new data collection, crash, inspections, budget, revenue or legislative system and want more information about the leading software available, call us toll free at 1-877-528-3438. Our team is available to visit your organization, review your needs and demonstrate **DCT/LT**. We can then help you determine how to acquire your NEW system.

## Affinity Global Solutions
*"Implementing Tomorrow's Technology Today"*

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