



**Courts and Law Enforcement
Management Information Systems**

What is it?
What is it?

Revised – January 2018





CLEMIS **Courts & Law Enforcement** **Management Information System**

PROBLEM:
Courts and Law Enforcement agencies unable to share data with one another in a timely manner.

SOLUTION:
Regional data sharing of innovative technology and applications to apprehend, solve, and ultimately reduce crime.

Our mission statement ...
To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

CLEMIS provides solutions through a cooperative effort that are affordable.

CLEMIS applications and technologies save officers a tremendous amount of time spent in the office writing reports - this allows them more time "on the streets" to protect the citizens.

CLEMIS agencies share data and use advanced technology that improves homeland security, identifies suspects, and solves crime.

CLEMIS is a multi-faceted, regional law enforcement management information system and more. The key principle of CLEMIS is the sharing of data between law enforcement agencies in a County-operated and maintained regional database.

Data is extracted from CLEMIS by law enforcement agencies for required Federal and State crime reporting, analyzing criminal activity, resource allocation, incident reporting, and other legal purposes.

Police and Public Safety agencies from all cities, villages, and townships located within Oakland County provide law enforcement information to the CLEMIS database and enjoy the benefits of having access to this data. Additional agencies in several counties surrounding Oakland County's borders are full CLEMIS members that contribute and access the regional law enforcement data as well.

CLEMIS is more than one application. CLEMIS provides:

- Enhanced 911 (E-911 Call-Taking)
- Computer Aided Dispatch (CAD)
- Mobile Data Computers (MDC)
- Law Enforcement Information Network (LEIN) access via WebLEIN
- Consolidated Law Enforcement Advanced Records (CLEAR) Records Management
- Electronic Citations
- Crash Reports
- Evidence & Property Management
- Auto-Impound Management
- Biometric Facial Images (Mugshot)
- Biometric Fingerprints (Livescan)
- Video Conferencing (OakVideo)
- Search
- Crime Mapping
 - CrimeView Dashboard
 - Crimemapping.com (3rd Party Vendor)
- Pawn Shop (3rd Party Vendor)
- Business Objects Reporting Tool
- Online Citizens Police Reporting (OCPR)
- eCLEMIS
- Inmate Management & Cost Recovery System (Jail -IMACS)
- Radio (Voice) Communication (OakWIN)
- Fire Records Management System (FRMS)



CLEMIS

Enhanced 911 (E-911) Next Generation 911 (NG911)

PROBLEM:
911 application outdated,
unable to purchase parts
or upgrade.

SOLUTION:
Provide an enhanced 911
(E-911) application that
will interface with other
CLEMIS applications.

Our mission statement ...
To provide innovative
computer technology and
related services to
criminal justice and public
safety agencies . . .

*CLEMIS E-911 is used to
dispatch public safety
and medical responders
to emergency situations.*

*E-911 routes emergency
calls to the proper public
safety agency.*

*E-911 interfaces with
CLEMIS CAD.*

*E-911 utilizes advanced
equipment and supports
wireless technology as
well.*

CLEMIS serves as the Oakland County Coordinator for twenty-one local Public Safety Answering Points (PSAPs) within Oakland County that receive and process 911 calls and dispatch public safety responders to emergencies.

911 is far more than a telephone number. It is a complex system of database servers, network connections, and call-taking equipment at the PSAPs. Enhanced 911, or E-911, provide selective routing of 911 calls to the correct PSAP for the caller's location through an intricate, yet almost instantaneous process that identifies the caller's telephone number, searches a database, and routes the call.

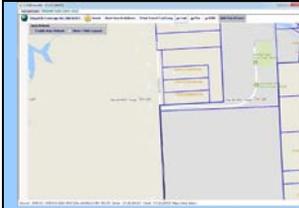
When E-911 was originally implemented in Oakland County in 1986, most callers accessed 911 via wireline telephones, and the application provided the caller's exact name, location, and call-back number to the PSAP. Communication technology has continued to evolve; including wireless handsets, Voice over Internet telephony, and most recently, text messages to 911. These new technologies continue to communicate over a legacy telephone network designed in the 1960s for hard wired, land line telephones.

Telephone service providers began phasing out the legacy telephone network in 2015, evolving to an Internet Protocol (IP) Next Generation 911 (NG911) application.

NG911 will allow emergency calls to be routed based on the callers' latitude and longitude. This is critical in pinpointing the location of the emergency because over 70% of 911 calls are now from wireless handsets and are no longer associated with a fixed address, as the old landlines were. NG911 will also allow callers to transmit new data along with the voice call, including photographs, videos, and crash information from in-car applications. This will provide valuable "eye-witness" information to emergency responders directly from the 911 caller.

In addition to the IP network, call-taking equipment at the PSAPs, logging recorders, training, and possibly staffing levels need to be addressed.

CLEMIS continues to work with participating members to determine the best and most cost effective technology to assist the PSAPs.



CLEMIS

Computer Aided Dispatch (CAD)

PROBLEM:

Need an efficient way for Police, Fire, and medical agencies to track and manage incoming calls for service.

SOLUTION:

CLEMIS Computer Aided Dispatch allows fast, reliable means for tracking and managing calls for service.

Our mission statement ...

To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

The CLEMIS CAD Application has a failover backup.

Users can choose how the data is displayed on the screen.

CAD feeds data into Records, MDC

CAD imports data from E-911.

CLEMIS Computer Aided Dispatch (CAD) is a dispatching application that allows users to create, update, track, and manage all public safety calls for service.

CAD is based on a Geographical Information System (GIS) that allows users to plot calls for service on a map and recommend the correct units to send on the call. Dispatchers have many ways of determining which units to send on a call for service. Units sent on a call may be based on primary patrol area or through use of Automatic Vehicle Locator (AVL) that can send the closest unit regardless of the primary area of responsibility.

The CAD server and network connections are redundant. It is designed in such a fashion that one central processing unit (CPU) or disk drive can go down and be replaced without any loss of functionality. Network connections are set so that the primary connection could be lost and the communication center would failover to an ISDN (Integrated Services Digital Network) line and keep functioning.

CAD allows users different methods of updating and creating calls for service. Users of all skill levels are able to perform basic functions. Users can use a command line, syntax-based commands, forms, or drag and drop functionality. Dispatchers and other law enforcement personnel can select the method best suited for themselves to produce desired results including changing window sets to view calls.

CAD interfaces with other programs such as CLEAR (Records Management), Mobile Data Computers (MDC), and E-911 to further enhance usability. The data entered into CAD will import into the records management application to eliminate redundant data entry. Calls for service assigned to units with MDC's will receive any and all comments entered by dispatchers or other units assigned to the call for service. E-911 information is automatically entered into the call for service without user intervention.

One prerequisite to implementing CLEMIS CAD is the GIS street file. CLEMIS Members that are not in Oakland County work with their own county GIS departments for the initial development and on-going support of their GIS file for CAD. This is probably the biggest obstacle to implementing CLEMIS CAD with new member agencies. It is one area CLEMIS does not support.



CLEMIS

Mobile Data Computers (MDC)

PROBLEM:

Police officers are unable to communicate privately with their Dispatch Center and other officers.

SOLUTION:

Mobile Data Computers that wirelessly transmit information that cannot be intercepted by the public.

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There are over 1,700 units using CLEMIS MDC's.

CLEMIS MDC's communicate on a wireless network, and have access to State, and Federal law enforcement databases.

Officers are able to communicate with Dispatch and one another while on the road via CLEMIS MDC's.

CLEMIS Mobile Data Computers (MDC's) were known as Mobile Data Terminals (MDT's) in 1989 when the first private county-wide mobile data application was deployed for CLEMIS members. Although those devices were useful, they had limited capabilities.

In late 1999, CLEMIS upgraded the mobile data application to take full advantage of Cellular Digital Packet Data (CDPD) technology. New MDC's were purchased which provided a much wider range of functionality. Currently, there are more than 1,700 devices on the mobile network, with Police and Fire departments participating, across several surrounding counties. CLEMIS has upgraded the wireless technology and the devices now use 4G/LTE wireless.

CLEMIS MDC's communicate wirelessly with Dispatch, and are able to receive and initiate dispatch incidents and update information in CLEMIS CAD. As part of the CAD initiative, Automated Vehicle Locator (AVL) was also added to public safety vehicles so that Dispatch can see where the vehicles are located at all times.

CLEMIS MDC's can communicate with State (LEIN, SOS, and CMIS) and Federal (NCIC and NLETS) law enforcement databases. The ability to access these databases helps keep our officers safe, because they are able to find out if the vehicle they are stopping is stolen, or if the individuals in the car have outstanding warrants against them. CLEMIS MDC's can also communicate with any other mobile unit on the network.

Officers are able to run fingerprints, receive mugshot images, and Michigan's digital driver's license on the MDC located inside their vehicle. CLEMIS Members must purchase their own equipment and pay an annual participation fee to use this application.



CLEMIS WebLEIN

PROBLEM:
Criminal history data is not easily accessible to the officer in the field.

SOLUTION:
Use technology to provide an interface to criminal data via the Internet.

Our mission statement ...
To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

CLEMIS members have access to several criminal databases.

CLEMIS hosts, updates, and maintains the central system.

Secretary of State images are available to CLEMIS members.

This data is available on hand-held devices.

CLEMIS WebLEIN/Talon provides an interface between local law enforcement to state, federal, and various local criminal justice databases. These databases include:

- Michigan Secretary of State driving records and images.
- State of Michigan Corrections prisoner information application.
- FBI criminal and stolen property databases.
- Databases belonging to local police agencies around the State of Michigan.
- LEIN – The State’s “Law Enforcement Information Network” which contains criminal, wanted persons, officer safety cautions, and vehicle information.

CLEMIS WebLEIN/Talon software is easy to use, and responses from the different databases return to the user very quickly. CLEMIS hosts, updates, and maintains the central system allowing police agencies to focus on criminal justice. When a program update is performed, users have access to improved functions at their next sign-on without additional work.

CLEMIS WebLEIN users can access images from Michigan’s Secretary of State driver licenses for identification purposes of suspects, injured citizens, or for other law enforcement use. In the past, it was very time consuming to get access to images.

CLEMIS does not charge any additional fees for access to WebLEIN. Questions regarding LEIN fees should be directed to the Michigan State Police at (517) 241-0658 or (517) 636-4548.





CLEMIS

Consolidated Law Enforcement Advanced Records (CLEAR)

PROBLEM:
Public Safety agencies are not able to share criminal information because they use different applications.

SOLUTION:
Provide a multi-tasked Records Management application to share data with all participating members.

Our mission statement ...
To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

CLEMIS CLEAR is affordable.

CLEAR provides: interfaces to Mugshot & LEIN to reduce data entry, interfaces to CAD & MDC, MICR reporting to MSP, allows users to attach images and documents to case files, exports property to Property & Evidence module, allows users to send letters to persons involved in crimes and import notes to cases for all to see, provides an audit trail of who completed & viewed transactions , detectives can easily track all assigned Case Reports, etc.

CLEMIS CLEAR is a complete records management application as easy to use as the Internet. CLEAR is a web-based application designed to have the same look and feel from a desktop or a mobile device. It provides all the tools an agency needs to properly record, store, and retrieve departmental and criminal records.

CLEAR combines intelligent document management with a sound relational database structure to provide an extremely intuitive and highly functional records management application. By utilizing the most up-to-date and technologically advanced tools available, CLEMIS CLEAR can be leveraged by participating members in infinite ways.

Benefits of CLEMIS CLEAR

CLEAR is a web-based application for storage, retrieval and analysis of data collected by law enforcement personnel.

CLEAR provides department benefits such as:

- Allows multiple users to work in multiple case supplements at the same time.
- Quick response – Based on the Oracle Server and Internet Information Server, CLEMIS CLEAR serves up millions of records making more information available in the field where it is most needed.
- Simplified tasks – CLEAR solves the problem of producing FBI-compliant NIBRS statistics while also automating the Michigan Incident Crime Reporting (MICR) submission.

| | | | | | |
|--|--|--|--|-------------------------------------|--|
| State of Michigan Uniform Law Citation | | Ticket No. 08RO00127 | | System Printed | |
| URCC # | | Incident No. | | Dept No. | |
| The Ticket of <input type="checkbox"/> The State of Michigan <input type="checkbox"/> Township <input type="checkbox"/> City <input type="checkbox"/> Village <input type="checkbox"/> County | | Local Unchecked No. | | Detection Device | |
| City: AUBURN HILLS | | JAC | | 1 of 1 | |
| SEARCHED Date: 05 29 08 | | Time: 09:04 | | Print Date: 11 29 02 | |
| State: <input checked="" type="checkbox"/> Michigan <input type="checkbox"/> Other License Number: D61606710888 | | SSN (last 4 digits) | | | |
| Race: <input type="checkbox"/> U <input type="checkbox"/> F <input type="checkbox"/> S <input type="checkbox"/> O <input type="checkbox"/> 130 | | Sex: <input type="checkbox"/> M <input type="checkbox"/> F | | Occupation/Employer | |
| Name (First, Middle, Last): ANNE CARR DRIVER | | Address | | | |
| Street: 7064 CROWNER DR | | City | | Zip Code | |
| City: LANSING | | State: MI | | 48912 | |
| Vehicle Make No: 99977 | | Year: 2007 | | Model: 1998 OLDSMOBILE WHITE | |

CLEMIS

(Electronic) Citations

PROBLEM:

Agencies need an efficient way to complete electronic citations/tickets.

SOLUTION:

Provide law enforcement personnel with an easy to use interface to complete electronic citations and track all related activities.

Our mission statement ...

To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

Application developed in-house.

Easy to use, simplistic interface with LEIN and Courts.

Works with existing CLEMIS applications.

CLEMIS Citations offers a complete solution for electronic ticketing.

CLEMIS Citations (ticket) is a custom application that features an integrated user sign-on with the Mobile Dashboard and CLEMIS records management applications. LEIN queries can be retrieved and imported directly onto a ticket. Law Enforcement can quickly finalize and print the ticket inside the car. And, if a citizen was previously issued a ticket or meaningful warning, the officer is notified instantly.

Officers have the ability to choose between day and night screen modes. If a court appearance is requested, officers can revisit the application to print tickets and view any associated notes.

Officer benefits include improved safety due to faster issuance of the ticket and less exposure to a potentially dangerous defendant. Information about the defendant can be searched electronically in the CLEMIS investigative database.

After a citation is issued, the citizen has the option to use a full-featured Internet payment application to pay tickets and fines without leaving their home or workplace.

Courts are given access to the Citations application to download and print tickets. They also have the ability to maintain violations and fees. Judicial benefits include legible tickets with immediate access in an electronic database. All citations are totally complete, with computer edits assuring that no essential fields are omitted. Data entry by court personnel is eliminated since data is available for import.

Accuracy, efficiency, and safety will improve radically as a result of using CLEMIS Citations. Use of this application is a force multiplier both for the officers and the court clerks. Ultimately, the safety of our roadways will improve dramatically through expansion of the CLEMIS Citations application.

| | |
|--|--------------------|
| STATE OF MICHIGAN TRAFFIC CRASH REPORT | |
| MI-2200220 | CLEMIS TEST AGENCY |
| 19132010 | 1110 4 |
| ED-CAYLAND | HOME OF THESE |
| MI-2200220 CITY | 1001 |
| 100 | TEST |

CLEMIS

Crash Reports

PROBLEM:

Agencies need an efficient way to complete the Michigan Traffic Crash Report.

SOLUTION:

Provide law enforcement personnel with an easy to use interface to complete the electronic Crash Report and track all related activities. Reports electronically submitted to Michigan's Traffic Crash Reporting System.

Our mission statement ...

To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

Application developed in-house.

Easy to use, simplistic interface with LEIN.

Works with existing CLEMIS applications.

CLEMIS Crash offers a complete solution for an electronic Crash Report.

CLEMIS Crash is a custom application that features an integrated user sign-on with the Mobile Dashboard and CLEMIS records management applications. LEIN queries for witnesses and drivers can be retrieved and imported directly onto the Crash Report. Law Enforcement officers can finalize the report inside their patrol car or at the station.

Officers have the ability to choose between day and night screen modes. The Easy Street Draw diagramming tool from Trancite® is integrated inside the Crash application. This makes the officer's job of diagramming an accident scene quick, easy, and accurate.

Officer benefits include improved safety due to faster completion of the Crash Report and less exposure to potentially dangerous traffic situations. Electronic accident information is available in the CLEMIS investigative database.

After a Crash Report is complete, citizens are electronically notified when their report is available for purchase. A full-featured Internet payment application is available to purchase and download accident reports without leaving the home or workplace. Insurance companies also have the option to purchase Crash Reports electronically. This frees up the law enforcement agency from having to fill these labor intensive requests.

Law enforcement agencies also have the ability to print complete and accurate UD-10 Traffic Crash and Private Property Crash Reports. Qualifying accident reports are electronically submitted to Michigan's Traffic Crash Reporting System.

Accuracy, efficiency, and safety will improve radically as a result of using the CLEMIS Crash application.





CLEMIS

Evidence & Property Management

PROBLEM:
Agencies need an efficient way to manage their property and evidence.

SOLUTION:
Provide users with an easy-to-use interface to manage and track all property and evidence.

Our mission statement ...
To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

Application developed in-house.

Easy to use, simplistic interface.

Works with existing CLEMIS applications.

CLEMIS Evidence & Property Management offers a complete solution for evidence and property management.

CLEMIS Evidence & Property Management application tracks all property that comes through a police department (Property, Found, Safekeeping, etc). Tracking starts from the time it is entered into a report until it is disposed of. This tracking will show who entered the item into the application and all movement or activity. Transfers will show who completed the transfer and where it was transferred to, with date and time. Returns will show who returned it and where it is held in the department with date and time. Officer's in charge of items can be changed or updated as needed. The application can send letters to the owners of items, and provide complete tracking of how and when property was disposed of. Agencies can create custom letters and reports relating to any property entered into the application.

Attachments can be added to the property record (letters, release forms, and photos). The CLEMIS Evidence & Property Room application can provide a complete chain of custody record for all items and will allow agencies to do a complete audit of all property items entered into the application.

Bar codes and scanners provide end users with a simple, error free way of tracking and tagging property.

The CLEMIS Evidence & Property Room application was written in-house with help from several law enforcement personnel to find out how a Property Room is run - which makes the application the best it can be.

This application provides the most efficient way for agencies to electronically maintain their property rooms. It will save officers and property room clerks from re-entering the same information duplicate times.





CLEMIS

Auto-Impound Management

PROBLEM:
Agencies need an efficient way to manage their auto-impounds.

SOLUTION:
Provide users with an easy-to-use interface to manage and track all impounds.

Our mission statement ...
To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

Application developed in-house.

Easy to use, simplistic interface.

Works with existing CLEMIS applications.

CLEMIS Auto-Impound offers a complete solution for private property, arrest, and abandoned or vehicle impounds.

CLEMIS Auto-Impound Management tracks all auto-impounds a police department performs (private property, arrest, abandoned autos). Tracking starts from the time the vehicle is entered into records management until it is released, disposed of, or auctioned. This tracking indicates who entered the vehicle into the application and all movement or activity. Transfers will show who completed the transfer and where it was transferred to, with date and time. Returns will show who returned it and where it is held with date and time. Officer's in charge of the vehicle can be changed or updated as needed. The application can track vehicle owner contact information.

Agencies can create custom reports relating to any vehicles entered into the application. Attachments can be added to the vehicle record (letters, release forms, and photos). Auto-Impound provides a complete chain of custody record for all vehicles. The application will allow agencies to do a complete audit of all vehicle items that were entered.

Bar codes and scanners provide end users with a simple, error free way of tracking and tagging vehicles. Impound slips can be created, printed, and emailed to towing companies.

The CLEMIS Auto-Impound Management application was written in-house with help from several law enforcement personnel to find out how the Impound process works.

This application is the best way for agencies to electronically maintain their vehicle impounds. It will save officers, dispatchers, and impound officers from re-entering the same information multiple times.





CLEMIS

Biometric Imaging (Mugshot)

PROBLEM:

How to share facial images, data and biometric technology with multiple agencies across a broad range of platforms.

SOLUTION:

The CLEMIS Mugshot application is capable of being accessed via a LAN connection, or the Internet. Images and data can be retrieved to the desktop, the patrol vehicle, and to hand-held devices.

Our mission statement ...

To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

CLEMIS Mugshot is a robust imaging application for the law enforcement community.

Mugshot will empower the officer to make decisions based upon access to biometric identification information.

CLEMIS Mugshot provides the public safety community with immediate access to mugshot images and data through a wide variety of means. Oakland County provides the central site hardware and software. CLEMIS Members must purchase their own Mugshot hardware and pay an annual maintenance fee to use this application.

CLEMIS members have access to the following biometric imaging functionality:

- Access to mugshot images and data from the desktop, patrol vehicle, or wireless PDA device.
- Ability to share suspect images and data via the Internet.
- Can search database records using any combination of data elements for investigative purposes.
- Create suspect line-up sessions and transmit the results from the desktop to the patrol vehicle.
- Create a Witness Line-Up.
- Access to the latest “facial recognition” technology. Relying solely on the image of an unknown suspect, the entire CLEMIS database searches for matching images. Once found, the data set associated with the matching records is displayed for the officer.
- CLEMIS Mugshot interfaces with Oakland County’s Jail Management application and the CLEMIS Livescan application. The officer receives suspect image records linked by fingerprint identification.



CLEMIS

Biometric Fingerprint Identification (Livescan)

PROBLEM:
How to provide officers with a biometric means of identifying persons arrested for crimes.

SOLUTION:
Livescan technology electronically digitizes the person's fingerprint images then transmits them to the State and Federal systems for identification.

Our mission statement ...
To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

Real-time biometric identification of persons taken into custody.

Identifying persons involved in unsolved crimes.

Reduce the time frame for the recording of arrest and charge information.

CLEMIS Livescan, technically referred to as an Automated Fingerprint Identification System (AFIS), was implemented in 1995. This application provides CLEMIS law enforcement members with the following functionality:

- Officers electronically capture and transmit accurate, reliable fingerprint images to the Michigan State Police and FBI for identification purposes.
- Arrest information along with finger and palm prints are registered in CAPFIS (CLEMIS Automated Palm & Fingerprint Identification System). Instantaneous identification of a suspect is based upon biometric technology. No longer is the officer forced to rely solely on suspect supplied demographic information. Arrest information is immediately transmitted to the State Police for Criminal History Information recording; a process which used to take weeks takes only minutes now.
- Fingerprints that are electronically submitted are also compared against unsolved crimes throughout the State of Michigan. If a fingerprint “match” is located, the agency submitting the crime scene fingerprints and the agency submitting the suspect fingerprints are immediately notified.
- CLEMIS Members can submit latent print evidence to the Oakland County Sheriff's Office Forensic lab for entry in the palm AFIS and search against known suspect records at no cost.
- Provides the County Prosecutor's office with an electronic and reliable means for submitting charge information to the State.
- In 2009, CLEMIS introduced BlueCheck devices which are small mobile devices that capture a single digit fingerprint. The system runs the fingerprint wirelessly back to an AFIS server which checks the prints for identification purposes. If there is a match, the information is sent to the MDC located in the vehicles. There have been many outstanding warrant arrests made as a result of this technology.
- CLEMIS Members must purchase their own Livescan hardware and pay an annual maintenance fee to use this application.



CLEMIS

Video Conferencing (OakVideo)

PROBLEM:
High costs and travel time for police transporting prisoners and obtaining warrants.

SOLUTION:
Use a video application to save officers time and taxpayers money.

Our mission statement ...
To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

CLEMIS video conferencing equipment connects courts, prosecutor's office, jail, community corrections, parole agencies, prisons, and police departments.

OakVideo automates paper flow and replaces aging equipment with advanced technology.

CLEMIS OakVideo provides more time for officers to be on the road to protect the citizens of the community.

CLEMIS OakVideo utilizes video conferencing equipment to connect Oakland County's District and Circuit Courts, Prosecutor's Office, Community Corrections, Friend of the Court, Oakland County Jail, State and Local Probation offices, Michigan Department of Corrections and many participating CLEMIS agencies. Currently OakVideo is only available to members in Oakland County, and at no additional cost. Hardware, maintenance, repair, technical support, and software updates are included.

The effect is to minimize offender transport, thereby improving court security and mitigating law enforcement time and costs.

OakVideo automates much of the paper flow that traditionally occurred via fax machines between agencies. It replaces rapidly aging warrant teleconferencing equipment with advanced technology using Oakland County's fiber optic, gigabit OakNET network.

CLEMIS OakVideo enables law enforcement agencies to prepare documents and create case files on a central server. When an agency transfers files to the folder, the case can be sent to the county prosecutor as well as other local and state agencies who will be involved in the case.

Once warrants are created and saved to the case folder, the detective and the court of jurisdiction conduct a video "Warrant Swear To." Once the 'swear to' has taken place, the court can conduct a video arraignment. During normal business times, the booking and arraignment process can be completed in hours rather than days.

Courts are also able to further proceedings via video such as trials, witness testimony, sentencing, etc.





Alias Search:

[Person](#) [Identifier](#) [Arrest](#)

CLEMIS SEARCH

PROBLEM:
Law Enforcement agencies need an efficient and rapid way to search for, and display historical information across jurisdictional boundaries.

SOLUTION:
Provide users with an easy and intuitive way to access data from various CLEMIS applications and data sources.

Our mission statement ...
To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

CLEMIS Search is a robust search tool for the law enforcement community.

CLEMIS Members contribute law enforcement data which is shared across jurisdictional boundaries.

CLEMIS SEARCH displays important law enforcement information at your fingertips. It is designed to provide insight into analyzing and solving public safety issues.

CLEMIS Search provides law enforcement agencies with rapid access to live, current, and historical public safety information. CLEMIS Members across Southeastern Michigan contribute important law enforcement data which is shared across jurisdictional boundaries. Agencies can access and analyze cross jurisdictional data using the CLEMIS Search.

The CLEMIS Search uses a centralized web environment which extracts and displays data from several sources including:

- CLEAR (Consolidated Law Enforcement Advanced Records)
- Citations
- Crash
- Mugshot
- Property and Evidence
- Incident Data
- Field Interviews
- Fire Arms
- Pawn
- State Parolee Data
- State Sex Offender Data

CLEMIS members can search on various categories to include:

- Persons
- Property
- Addresses
- Arrests (Mugshots Displayed)
- Businesses
- Crime Incidents
- Identifiers
- Alias's
- Narrative (only your agency)

CLEMIS



CLEMIS

Crime Mapping & Analysis

PROBLEM:
Police agencies unable to predict hotspots and trends in crimes across jurisdictional boundaries.

SOLUTION:
Use CVDB to identify hotspots of crime and reallocate resources to those areas.

Our mission statement ...
To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

Crime Mapping indicates where crime is occurring so police agencies can use intelligence led policing in allocation of resources.

Data is extracted from CLEMIS applications and placed on a map for intelligence led policing.

CVDB has three applications available: Community, Internal, and Advanced.

CLEMIS Crime Mapping & Analysis uses CrimeView Dashboard (CVDB) to determine trends, hotspots, or crime sprees based on location and time. This process (formerly known as pin-mapping) is digitized making information easily accessible.

The advantage of using CLEMIS Crime Mapping is the sharing of data with other participating members across jurisdictional boundaries. CLEMIS agencies inputting data into RMS, CAD, Citation, Crash and Arrests have access to analyze CLEMIS data across jurisdictional lines.

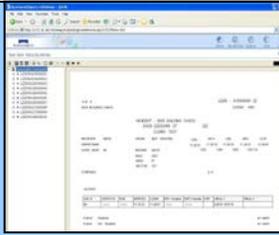
Data is extracted three times daily from many CLEMIS applications and mapped. User's query incidents based on criteria such as crime type, and dates and time ranges within user defined areas. Those incidents are then displayed on the map and available for output.

Police agencies have access to advanced capabilities using ArcMap and CrimeView Desktop, where additional data is available such as local census information, parcels, parks, and waterways, as well as the robust functionality ArcMap offers.

If needed, Crimemapping.com is available for agencies to publish crime data to their community. Data is extracted each morning automatically and published to the crimemapping.com website. A link can be added to Police Department websites to allow the public access to the crime information.

Included with CVDB is an advanced reporting module (ARM), a robust reporting tool for analytical reports such as a Command Summary, Compstat, Monthly Comparison, and Monthly Activity reports.

| | |
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|  | <p style="text-align: center;">CLEMIS</p> <p style="text-align: center;">Pawn Shop Application (LeadsOnline)</p> |
| <p>PROBLEM: Property items are stolen from crime scenes and disposed of by criminals who sell them to pawn shops, second hand stores, etc.</p> <p>SOLUTION: LeadsOnline may lead the investigator of a crime not only to the property itself, but also to the identity of the person who sold or pawned the item.</p> <p>Our mission statement ... <i>To provide innovative computer technology and related services to criminal justice and public safety agencies . . .</i></p> <p>LeadsOnline is a technology service helping law enforcement catch criminals, while helping businesses reduce the tedious task of reporting.</p> | <p>CLEMIS Pawn-Shop application is currently provided by a third-party vendor. LeadsOnline is the nation's largest online investigation tool for law enforcement, providing rapid electronic access to transactions from thousands of reporting businesses including scrap metal processors, secondhand stores, Internet drop-off stores, and pawn shops across the country, as well as critical information from eBay listings for criminal investigations.</p> <p>CLEMIS and LeadsOnline help member agencies solve crimes through the recovery of stolen or missing property and identifying persons associated with it.</p> <p>LeadsOnline is the link between investigators and missing items or individuals who may turn out to be instrumental in solving a homicide, finding a meth lab, or getting stolen property back to its rightful owner.</p> <p>This application is available to all CLEMIS Members at a discounted annual fee that is based on the number of full-time equivalent officers at each agency.</p> <p>For new LeadsOnline accounts, call 1-972-331-7744. For existing accounts, call 1-972-331-7748.</p> |



CLEMIS

Business Objects Reporting Tool

PROBLEM:
Agencies need an efficient way to produce reports from various CLEMIS applications.

SOLUTION:
Provide users with an easy and intuitive way to access data from various CLEMIS applications.

Our mission statement ...
To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

Navigate, Create, and Interact easily - access the web-based portal for CLEMIS information to create powerful documents.

Personalize your viewing experience.

CLEMIS Business Objects offers a set of analytic engines designed to provide insight into solving public safety issues.

CLEMIS Business Objects is a product used in retrieving Police and Fire data. This web-based product assists in making precise intelligent decisions based on the data.

Business Objects uses a centralized web environment, which allows users to find documents and information easily. Users can navigate using an integrated search facility as well as a folder navigation tree. Within Business Objects, ad-hoc queries and powerful, interactive documents can be created on the fly. In addition, users can personalize views by customizing folders or documents and place reports in a specific location for quick accessibility.

CLEMIS staff has customized this off-the-shelf application to suit the requirements for Police and Fire statistics. Agencies can utilize reports based on CLEMIS CAD, CLEMIS CLEAR, Parolee/Probation, Sexual Offender, GIS data or create their own personalized reports.

Reports can also be set up to run automatically based on dates and times and sent to specific email addresses.

CLEMIS Business Objects provides a way for CLEMIS members to navigate, create, and interact with their public safety information.



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|  | <h2 style="text-align: center;">CLEMIS</h2> <h3 style="text-align: center;">Online Citizens Police Reporting (OCPR)</h3> |
| <p>PROBLEM: Citizens have to drive to, or call police departments to report minor police incidents.</p> <p>SOLUTION: Provide an on-line citizen reporting application that will empower citizens to report complaints from their homes, or work, to save time on minor police complaints.</p> <p>Our mission statement ... To provide innovative computer technology and related services to criminal justice and public safety agencies . . .</p> <p><i>CLEMIS OCPR is very easy to use.</i></p> <p><i>OCPR allows citizens to quickly enter a simple police complaint on five different categories:</i></p> <p><i>Harassing Phone Call</i> <i>Identity Theft</i> <i>Lost/Damaged Property</i> <i>Theft</i> <i>Vandalism</i></p> | <p>CLEMIS OCPR is an Online Citizen’s Police Reporting application utilizing the latest technologically advanced tools available.</p> <p>OCPR allows a citizen to submit a simple police report online. This application is interfaced with the CLEMIS records management application.</p> <p><u>Benefits of CLEMIS Online Citizens Police Reporting:</u></p> <p>OCPR is a true secure Internet application that allows citizens to report a minor event immediately.</p> <p>CLEMIS OCPR provides participating agencies benefits such as:</p> <ul style="list-style-type: none"> • Allow citizens to report the following incident types which may include: Harassing Phone Call, Identity Theft, Lost/Damaged Property, Theft, Vandalism. • Quick response – Based on the Oracle Server and Internet connection, CLEMIS OCPR assists citizens in creating these simple reports, saving law enforcement staff time while making more information available without having to dispatch an officer. • Police Report Queue – OCPR sorts the complaints by offense type so they can be easily reviewed by police department assigned staff and if needed, a Call-for-Service (CFS) Report will be created. |





eCLEMIS

electronic law enforcement applications

PROBLEM:
Courts and Law Enforcement agencies unable to share data with one another in a timely manner.

SOLUTION:
Regional data sharing of innovative technology and applications to apprehend, solve, and ultimately reduce crime.

Our mission statement ...
To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

CLEMIS provides solutions through a cooperative effort that are affordable.

CLEMIS applications and technologies save officers a tremendous amount of time spent in the office writing reports - this allows them more time "on the streets" to protect the citizens.

CLEMIS agencies share data and use advanced technology that improves homeland security, identifies suspects, and solves crime.

eCLEMIS provides electronic, automated tools to public safety personnel via the world-wide web.

Applications that have been written in-house by CLEMIS developers are available to agencies that apply and are approved to become a Member of the CLEMIS Consortium. Data is shared between law enforcement agencies within the CLEMIS footprint.

Tools currently available via e CLEMIS include:

- Consolidated Law Enforcement Advanced Records (CLEAR) Records Management
- Electronic Citations
- Crash Reports
- Evidence & Property Management
- Auto-Impound Management
- Crime Mapping
- CLEMIS Search

Optional applications:

- Mobile Data Computers
- Biometric Facial Images (Mugshot)
- Biometric Fingerprints (Livescan)



CLEMIS

Jail Management System (IMACS)

PROBLEM:
Need to track the whereabouts of inmates throughout Oakland County correctional facilities.

SOLUTION:
Develop a Jail Management application that provides real-time tracking of inmate activities.

Our mission statement ...
To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

CLEMIS developed an in-house jail management application for Oakland County that was used for over 20 years before IMACS.

Oakland County Correctional Facilities use the CLEMIS Livescan and Mugshot applications in conjunction with Jail Management.

CLEMIS Inmate Management & Cost Recovery System (IMACS) was purchased as part of the continuing effort to keep up with evolving technologies and was implemented at the Oakland County Sheriff's Jail in 2012.

Because of the nature of the inmate population, a substantial amount of jail staff's time is expended dealing with day-to-day management of over 1,500 incarcerated individuals. IMACS allows deputies to manage an ever-growing inmate population more efficiently.

Inmate activities and movements are tracked from the time the inmates enter the back door of the facility, until the time they are released from the custody of the Oakland County Sheriff's Office. Deputy's that work in Oakland County correctional facilities know where an individual is at any time of the day or night.

To better identify inmates as they are booked into custody, CLEMIS Livescan is utilized in the event that an incorrect identification was presented to officers at the time of arrest. An electronic fingerprint of the inmate is recorded and checked against several databases to verify proper identity.

The regional CLEMIS Mugshot is used in conjunction with the CLEMIS IMACS Jail Management to take high-quality photos of the inmates, and these photos are printed on wristbands worn by the inmates during the entire period of incarceration. The photos may also be used in creating "line up" sessions.



CLEMIS

Radio (Voice) Communication (OakWIN)

PROBLEM:
Police, Fire, and EMS are unable to communicate with one another.

SOLUTION:
Provide an interoperable radio application with a high level of coverage in Oakland County.

Our mission statement ...
To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

CLEMIS OakWIN is a digital VoIP 800Mhz radio application.

Over fifty transmitter sites are located throughout Oakland County's CLEMIS OakWIN radio application.

Over 6000 law enforcement, fire service, and emergency medical service mobile and portable radios use OakWIN for their daily activities.

CLEMIS provides **OakWIN** - a county-wide, interoperable voice radio communication application for public safety within Oakland County borders.

In the mid-1990's, several emergency situations occurred in which multiple police, fire, and EMS agencies needed to communicate with one another. One of the most publicized situations was the shooting by a disgruntled employee at a plant in Wixom, during which many law enforcement agencies had to work together to locate and subdue the gunman, but were hampered because they could not communicate with each other. Public safety agencies in Oakland County used disparate radio frequencies, manufacturers, and technologies that did not allow their radios to "talk" to each other.

A committee from the CLEMIS leadership and membership was formed to obtain funding and frequencies for a radio application that would allow them to work independently for day-to-day situations, with the ability to communicate seamlessly during multi-agency emergencies. Specifications were drafted for a digital 800 MHz application that would provide interoperability, a high level of capacity, and coverage. The Oakland County public safety community identified a need for radio communications that would work not only from the emergency vehicles out-of-doors, but also from hand-held radios while inside most buildings.

OakWIN is designed to meet all requirements identified by the public safety officials of Oakland County. A digital Voice over Internet Protocol 800 MHz application provides both interoperability and sufficient coverage inside of buildings, achieved by deploying many transmitter sites throughout Oakland County. It has replaced or supplemented all of the existing disparate radio applications with new equipment, including mobile radios, hand-held radios, and dispatch center consoles for participating agencies.

CLEMIS OakWIN is a complex endeavor. Over 6,000 law enforcement, fire service, and emergency medical service mobile and portable radios utilize the application, as well as dispatch centers and hospitals within Oakland County.

Visit www.oakgov.com/radio to learn more about the Oakland County CLEMIS Radio application.

CLEMIS



CLEMIS

Fire Records Management System (FRMS)

PROBLEM:

Fire Service agencies lacked a cost effective Records Management application that integrates with Computer Aided Dispatch (CAD).

SOLUTION:

Provide a cost effective standard software applications to meet Federal and State reporting requirements.

Our mission statement ...

To provide innovative computer technology and related services to criminal justice and public safety agencies . . .

FRMS Members meet monthly Federal, State and National Fire Incident Reporting System (NFIRS) reporting requirements easily and efficiently.

CLEMIS Fire Records Management System (FRMS)

Through a cooperative relationship with Oakland County, FRMS Members receive a variety of cost-effective technology solutions.

Fire agencies automatically receive real-time emergency incident data from their dispatch center. Fire Records data is collected system-wide as well as providing a platform for individual fire departments to meet their monthly Federal, State, and local Medical Control Authority reporting requirements.

FRMS includes:

- Fire and EMS Incident Records
- Personnel Records Management
- Daily Roster Assignments
- Training Records
- Equipment & Vehicles Maintenance and Inventory
- Hydrants Management
- Daily Activities Log
- Statistical Reports
- Digital Photos and Floor Plan Attachments

Other FRMS technologies may include:

- Station Tear and Run Incident Data
- CAD Status Monitors