CPAT®

// Web Application v. 4

The sophisticated CPAT v. 4 application provides all the functions you need to efficiently manage your leakage/ingress control program and vehicle fleet.

- Web-based application with secure access to data

- View real-time status of events

- Display data events on Microsoft® georeferenced Bing Maps

- Manage user access levels and authorizations

- Use ticketing application for event repairs

- Interfaces to third party WFM or ticketing application

- Track your vehicles in real-time (with cellular interface module)

- Identify potential vehicle problems with On-Board Diagnostics (OBD-II)

// General Description

The Web-based CPAT v. 4 application runs on a centralized Web server array. Our server array ensures overall system redundancy and data backups, efficient and fast data transfer, data integration, storage and diffusion. The CPAT application includes a Web-based georeferenced information system (Web GIS) so event data (AVL, leakage, ingress events and OBD-II alarms) can be located and mapped. The CPAT application can be accessed from any PC using a Web browser.

Access to the CPAT application is only provided to authorized user accounts. The system administrator sets up user access and assigns proper user access levels. There is no limit on the number of concurrent CPAT users connected to the CPAT Web site.

Available throughout your organization, the application allows you not only to consult and analyze the data, but also to efficiently dispatch work orders. For example, our application gives you the ability to set a specific CLI target and let the application select and dispatch work orders to attain that target.

The CPAT v. 4 application will integrate seamlessly into your operational business processes. It can easily be interfaced with your trouble ticketing application or workforce management system.
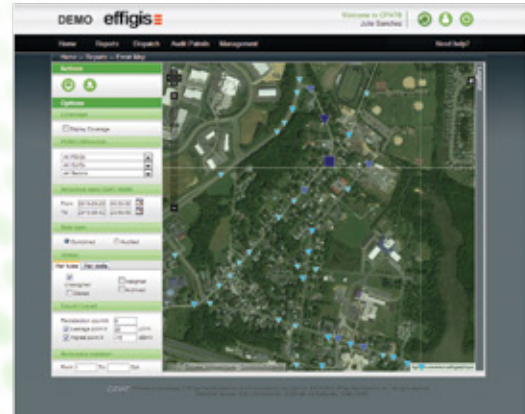
View leakage/ingress events on Microsoft's Bing map
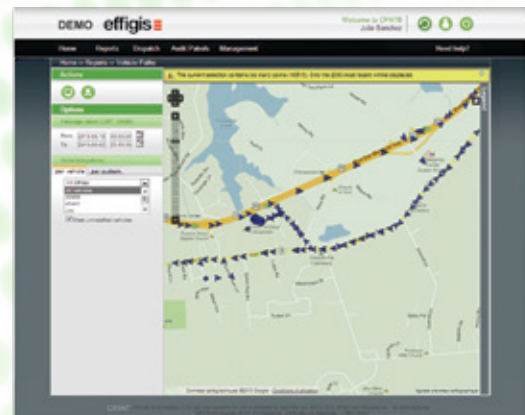
View vehicles detailed travelled route and stops during a user-defined time period

Technicians can close event repair tickets directly on the CPAT Web server

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// Data Management

The uploaded data is processed in real time by the CPAT application server to provide immediate access to operators. Authorized users log into the CPAT application over the Internet and have real-time access for viewing, reporting and analyzing the data, depending on each user's authorization level. The CPAT v. 4 application is also an efficient georeferenced information system (Web GIS) so the data can be instantly located and displayed on street maps or satellite images of the area. A series of comprehensive management reports are available providing detailed information by region, city or sector. Users can also export their data to an Excel or ASCII file format for specific reporting requirements.

// Dispatch of Leakage/Ingress Repairs

Leakage/ingress repairs can be assigned to technicians by using the dispatch function included in the CPAT v. 4 application, or self-assigned directly to technicians if they have been provided with user access. The CPAT database can manage the status (detected, assigned or repaired) of leakage/ingress events. The leakage/ingress indexes are constantly updated when any event status changes or when new data is received. The interface to third party WFM or ticketing applications can also be customized.

// Automatic Vehicle Location (AVL)

The CPAT v. 4 application also includes automatic vehicle location (AVL) functions. The position of any vehicle in a fleet equipped with ARD4 modules[1] can be monitored. The application provides the vehicle's position on a recurring time basis selected by the operator.

// On-Board Diagnostic (OBD-II)

On-Board Diagnostic (OBD-II) functions included in the CPAT v. 4 application provide visibility to key operational fleet metrics such as speed, engine coolant temperature and a series of user-selectable digital trouble codes (DCT). Once a user-defined key metric is identified as non-compliant, an alarm is generated by the application. The use of On-Board Diagnostic (OBD-II) will reduce fleet repair/maintenance costs and manpower downtime related to vehicle failure.

// Distinctive Benefits

- Reduces IT maintenance and deployment by using Internet-based server software.

- Allows unlimited authorized users to log into the CPAT Web-based server application.

- Displays a real-time view of leakage/ingress events, thus making your preventive maintenance program more efficient by shortening the lifecycle of leakage/ingress events and reducing the number of service calls.

- Real-time vehicle tracking (AVL) enables better field resource management and associated cost reductions.

- Identifies potential vehicle problems with On-Board Diagnostics (OBD-II), which could prevent costly vehicle repairs and manpower downtime related to vehicle failure.

- Stores data in an open format to facilitate custom reports and integration with other systems.

[1] Real-time operation requires an optional cellular communication module.

// Ordering Information   P/N

Annual VGI Web Hosting Fees   9999

Includes the following:

- CPAT application system configuration (territorial limits on maps, user configuration, etc.);
- MSO system(s) on Microsoft® Bing digital maps with street address;
- Remote monitoring of Autonomous Recording Device (ARD4);
- Data hosting on CPAT server;
- Phone and e-mail support for CPAT application;
- Back-office server maintenance (data backups of servers, server maintenance, etc.);
- Web/SQL/processing/FTP server hardware;
- Server operating system (OS) application;
- Required server applications for CPAT system operation;
- CPAT application updates.

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