

GoldTM vSix

EAM/CMMS

Fully Integrated Maintenance for the New Century

MPulse **GoldTM vSixTM** CMMS **cost-effectively** integrates your Maintenance Department with all areas of your organization as few other CMMS solutions can. Enhanced communication, responsiveness, visibility, and access to instant information empower you in each of the key processes required for effective maintenance management;

- Receiving work requests
- Initiating work orders and preventive maintenance orders
- Monitoring progress and results
- Associating vital information with both assets and work processes
- Capturing and comparing key data
- Managing spare parts/inventory control

In fact, literally hundreds of processes throughout **Gold vSix** have been improved, streamlined, or integrated in more logical ways. One such example is the substantial improvement in throughput speed. In some operations, this feature alone will account for improved work times on the order of 3x to 4x faster. Such improvements radiate through all of the functional groups which comprise an effective CMMS solution;

- Integrated asset management
- Work order generation and management
- Scheduling of preventive maintenance
- Inventory control and management
- Management reporting

A Familiar Friend with Powerful New Capabilities

To existing MPulse users, much of Gold vSix will appear to be the same. Under the surface, the reality is an **entirely new** architecture! During development planning, an MPulse design team was tasked with combining MPulse's field

proven functionalities with the emerging state-of-the-art Microsoft® **.NETTM** Framework. It was also decided that this new generation of MPulse software would incorporate all the power and flexibility of Microsoft **nTierTM** system architecture.

Now, several man-years later, MPulse **Gold vSix** is a reality. A revolutionary CMMS solution which retains the practicality, logic, and unique graphical workspace thousands of users have come to trust; while providing productive new features, functionalities, and a best-in-class approach to distributed computing.

Simply put, **.NET** and **nTier** empowers MPulse to provide flexible, innovative, highly secure real-time maintenance management solutions. There are now three distinct parts to the computing schema, each optimized for its purpose (see Figure 1).

1. The **Client Tier** can be a PC, a terminal, a PDA, a bar code reader, and other devices as needed.
2. The **Business Tier** includes the application itself, and other tools to manage and facilitate communication and data flow throughout the system. It also includes advanced customization and security tools for structuring the solution.
3. The **Data Tier** collects and manages all data relating to the application in a central, secure, but highly accessible format.

Because MPulse **Gold vSix** is a truly web-native application, your users access and use the system effortlessly and seamlessly, either over your LAN, Intranet, or the Internet.

MPulse Advanced User Interface

- Rich, purpose-built User Interface Environment (GUI) not limited by confines of a web browser
- Drag-&-Drop calendars and linking
- Fully-integrated System-Map navigational tool
- Tracking work history & costs
- Highly-customizable GUI
 - 100% translatable text
 - Customizable "tool-tips" (mouse-over help)
 - Ability to remove unneeded fields and/or data entry forms
 - Integrated data-entry verification function

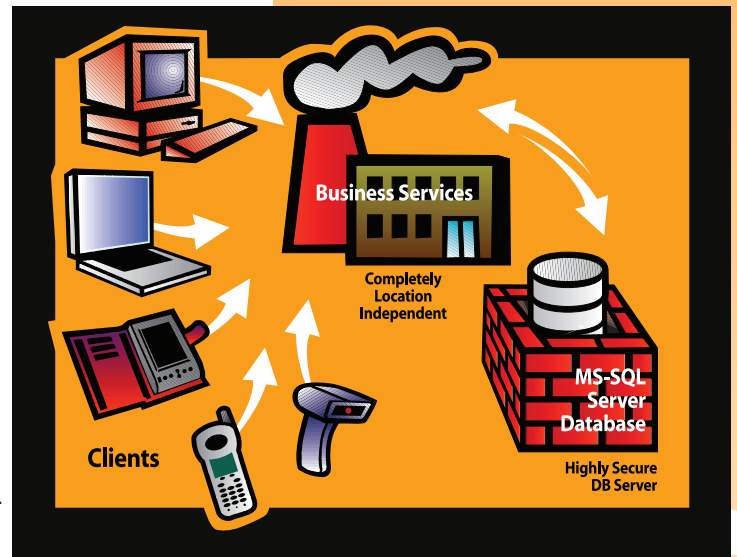


Figure 1

- **Advanced security features**
 - Areas, forms, fields, and functionalities can all be set to no access, read only, or full access status for each user!
 - All security features are fully integrated with reporting functions/systems
 - Can be integrated with Windows® Authentication (Active Directory)
 - Comes with English, Spanish, and a user-programmable custom language option. Language choice can be set for each client individually

Simply Better Software...

MPULSE
Maintenance Software

A Wealth of Data, When (and Where) You Need It

MPulse Gold vSix elegantly supports the use of multiple databases. Data can be co-located with the Business Tier or stored in remote locations. Thus, critical information is properly secured, centrally managed and updated, and available to users throughout the organization, seamlessly and transparently. For example, maintenance data for each division of a company may be stored in separate databases, either co-located or physically separate.

Integrated Asset Management

- Asset tree for tracking parent/child relationships
- In-service/out-of-service tracking
- Custom templates with unlimited custom fields
- Multiple assets on work orders and PMs
- Asset system assignment and grouping
- Linking of CAD files (multiple) to each asset (and many other kinds of media and files)

Scheduling of Preventive Maintenance

- Supports routing & inspections
- Multiple methods of scheduling PMs
- Automatic conversion of PMs to work orders on the due date
- Ability to release PM/work order before scheduled due date
- Linking of standards documentation to support certifications et al. ISO, JCAHO, FDA, QSA, DMV, etc.

Inventory Control

- Multiple inventory categories (Parts, Supply Items, and Tools)
- Unlimited linking of inventory and supplies to work orders and PMs
- Supplier management
- Automatic re-order list generation based on user-defined min-max definitions
- Fully integrated requisition system with automatic reminder function
- Linking of inventory to assets for bill of materials preparation



Powerful Work Order Management System

- Support of Fault Codes (Failure, Reason, Repair, Results) for analysis
- Work order forms with custom fields
- Logically connected tasks, assets, personnel, and inventory can be grouped on one work order
- Multiple tasks on a work order can be staged as needed
- Downtime tracking for maintenance
- Ability to link MSDS sheets, product data sheets, instructional videos, SOPs, assembly drawings, and more
- Ability to track both internal and contract labor
- Full work order life cycle management
- Web-native maintenance requesting & status tracking (MPulse **InfoNet™**)
- InfoNet's Email Notification System
- Advanced labor time tracking

Management Reporting

- Fully customizable list view for on-the-fly reporting
- Many standard reports, derived from customer and industry input and experience
- Ability to save user-defined filter & sort criteria for each report
- Ability to export reports to industry-standard format
- All reports developed with and editable by Crystal Reports



A Solid Foundation of Services

Providing great software is only the first step in producing exceptional maintenance results! MPulse offers many services:

- Web collaboration for initial setup
- Onsite Assured Implementation Program (AIP)
- Ongoing support and refinement, either per incident, or through our SMA Program
- Regional, or onsite, training centers
- Application Hosting Service (AHS)
- Data import from legacy systems or spreadsheets
- MPulse Account Manager Program

Whichever tool(s) you choose, you'll find professional, experienced help is the standard, not the exception. Support is available via the Internet, e-mail, web-conferencing, or toll free telephone!

MPulse Gold System Architecture and Requirements

In the .NET/nTier environment, each of the three key components (Client tier, Business tier, and Data tier) can be installed on one or several computers. Connectivity between these elements is achieved using contemporary Internet centric standards (HTTP/XML). This renders the issue of location irrelevant, enabling the client to make decisions regarding distributed vs. centralized computing based on business and effectiveness standards, rather than technical demands.

Due to continuing product improvement, requirements are subject to change without prior notice—please check our web site as well as www.microsoft.com for timely information.

Client Tier

- Microsoft Windows XP or higher
- Microsoft .NET Framework v1.1
- Pentium 4 or greater
- 1024 X 768 resolution or greater
- 512 MB of RAM (minimum; 1GB recommended)
- Microsoft Internet Explorer v6 or higher
- Internet access & personal e-mail

Business Tier*‡ (if locally hosted)

- Microsoft Windows 2003 or higher (Server edition(s))
- IIS 6.0 or higher
- MS MDAC 2.8 or higher
- Microsoft .NET Framework v1.1
- Pentium 4 or greater
- 1GB of RAM (minimum; 2 GB, or more, recommended)

Data Tier (if locally hosted)

- MS SQL Server 2000 or 2005 (edition-independent)
- Hardware per Microsoft standards for SQL Server 2000 or 2005

Options for the Database

MPulse **Gold vSix** uses Microsoft SQL Server 2005 as its database management system. Optionally users may elect to use Microsoft SQL Server 2000 as the MPulse **Gold vSix** database management system. Microsoft SQL Server 2005 Express is included with the software should you not have your own MS-SQL Server licenses. MPulse **Gold vSix** can be upgraded to all editions of MS-SQL Server 2000 or 2005 as needed.

* Because the Business Tier is the heart of the MPulse system, we highly recommend the use of a dedicated server for hosting the application.

‡ Capacity and speed of this server will determine overall system performance. Bigger and faster is better!

Simply Better Software...



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