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ProTeus CMMS is an enterprise level suite of software for Enterprise Asset Management with both MSSQL and Oracle database structures available. Hosting a top level down architecture, the major functions are separated into modules for ease of use and understanding; yet integrated to provide maximum utilization and optimization.

For smaller facilities, a Professional version is available running on a Microsoft Desktop Engine (SQL Express) database (included). ProTeus is fully integrated with popular Building Automation Systems to generate automated work orders upon receipt of alarms, runtimes and/or triggers.

ProTeus is an outstanding program that helps manage both Preventive and Corrective (Demand) maintenance, an inventory of parts for repair and maintenance staff productivity. ProTeus provides a cost-effective maintenance management solution for any size organization. ProTeus is capable to help you manage in-house, as well as outsourced maintenance activities as performance.

Global features throughout the product include:

- Security and easy installation using SQL scripts to create database tables.
- Quick Screens to facilitate “origination to completion” of a function within a single screen.
- Quick Lists to sort and view maximum information.
- Multi-Select to edit or update groups of work orders, equipment or labor.
- Automatically print or email work orders upon activation providing 24/7 service.
- Grid Ordering and Sorting with retention of user specific settings.
- View Drawings, user manuals, maintenance instructions etc. using “file association” feature in Equipment and Work Orders.
- Default Queries feature allows each facility (or Customer) to work with its own data, while allowing global access to supervisor.

The standard product includes the following modules:

**Preventive Maintenance Work Order** – Create and maintain a complete plan for scheduled maintenance on individual assets. A master plan created within this module retains all required information and then activates a PM work order based on predetermined criteria. The multi-cycle feature allows a variety of tasks to be included

within the master PM, yet only applicable tasks are included with each cycle type activation.

**Demand Maintenance Work Order** – Respond to service requests, emergency breakdowns or other non-routine maintenance activities by generating this work order. The work order not only provides detailed information of the maintenance job requirements, but it also provides a permanent record of the employee, material and labor costs as well as work performed. All work orders are displayed in the Scheduler providing a complete overview of maintenance activities. Work Orders also allow for tracking of failure causes and downtime. Work Orders can be created by using the Quick Screen; this facilitates rapid entry and ease of use.

**Equipment** – Maintain a complete record of all assets, as well as related maintenance activity and costs. Enter and track important warranty information, location and history of your assets. All equipment and subassemblies that are the responsibility of the maintenance department can be tracked. Report information obtained from this data is essential for life cycle costing, equipment maintenance and scheduled downtime. Compile manpower data and cost budgeting as well.

**Customer** – Support for an unlimited number of customers (or buildings) provides a complete profile and record for each. This data includes company information, assets maintained and both assigned and scheduled work orders. Viewed from the Scheduler, details are available for each day or a complete week. The Customer Module is ideal for service contractors or customers with multiple facilities and provides at-a-glance view of all equipment and work orders for a selected facility.

**Scheduling** – A comprehensive scheduler provides a visual presentation of all maintenance activity along with the capability to re-assign and re-schedule resources to accommodate ever changing resource availability. Expanding the tree view displays additional details without the need to open additional modules. Setting information parameters to display only the timeframe desired further assists in the management and analysis of maintenance activities.

Scheduling displays current, overdue and upcoming PM and DM work orders in monthly, weekly and daily views, which helps plan for equipment availability, identity of resources and eliminates over-scheduling. Also view work orders by customer, equipment and labor. Choose one or a group of work orders for technician reassignment; or to change, add or delete labor.

**Time Card** – Provides the ability to add or update labor to all work orders associated with a given employee. This short cut significantly reduces the amount of time required for labor entries by eliminating the need to open each individual work order. All active work orders assigned to any employee are displayed in a quick list.

**Inventory** – A complete inventory control system for MRO parts providing all relevant information for ordering, stocking and usage including multiple stockrooms. Inventory can be easily moved between stock rooms using the convenient move ticket function. Additional features include quantity on-hand, allocated, on-order and location. Inventory management to coincide with scheduled maintenance work is essential; and the inclusion of re-order points helps insure against shortages for non-scheduled and emergency support.

Record information on all stocked and non-stocked parts that are used in maintenance. Inventory is linked with many other modules in ProTeus, which allows for extensive lookups and cross-referencing capabilities. The allocated tab is a guide where the user can easily see where and how many parts are being used.

Assign multiple Vendors to each item to facilitate parts and consumables purchasing. Inventory usage and other reports assist in reducing capitol investment.

**Employee** – Contains personal and skills related information on all maintenance employees. Assign labor codes and rates for each employee in this module. Information can be restricted to certain employees through ProTeus's rights module.

**Vendors** – Incorporate a master list of vendors used for service work, assets and inventory. It includes all relevant data applicable to each vendor. This eliminates redundant data entry and simplifies updating of information. Also, keep track of the vendor's contacts, warranty information and cost of total purchases. Ability to launch Vendor's web site from within Vendor module allows you to view catalogs, pricing and order on-line.

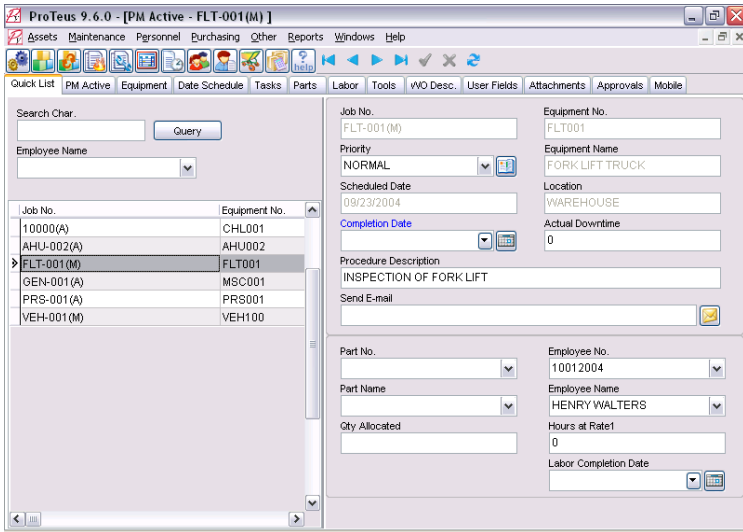
**Purchasing** – A completely integrated purchasing program tied directly to the inventory module facilitating automatic purchase requisitions based on criteria set in the inventory module. You can create, edit, print and close purchase requisitions or purchase orders. Add anything from a Blanket PO to a ship to address, all from one convenient module. It can also be used to order service from contractors as well as track annual service agreements.

Additional modules within the standard product as well as several optional modules provide a product suitable for small facilities through the most sophisticated environments.

## **Work Order Functions**

### **PM Master**

Quick Screen

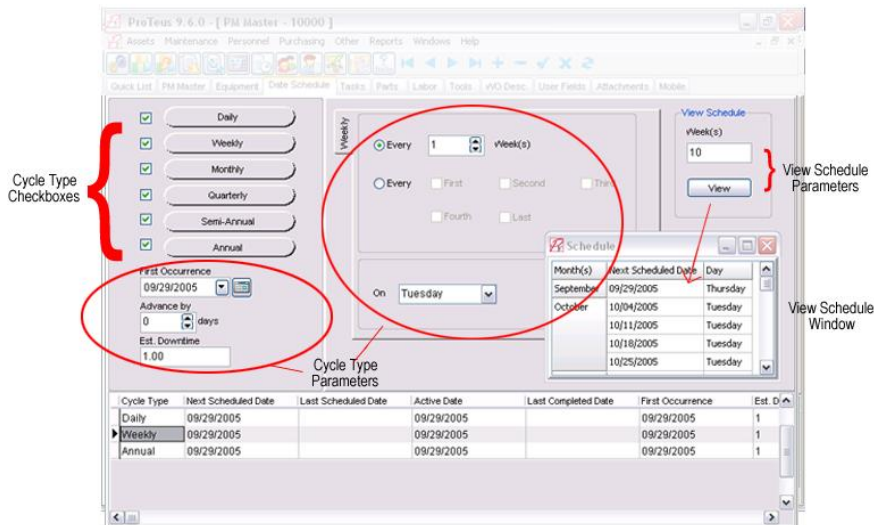


The PM Master Module provides the ability to create preventive maintenance work orders. PM Master also accommodates multiple parts, equipment, labor and cycles for each asset, creating a complete maintenance plan. The ability to email work orders assists in achieving a timesaving and paperless system. Auto-activation and auto-print allow for work orders that become due to automatically activate and/or are sent to the selected printer.

Preventive Maintenance not only optimizes your assets performance it also extends its life cycle. PM Master is an integral step in creating a life-cycle maintenance plan for all assets.

### Multi-Cycle Scheduling

#### Date Schedule Tab



Multi-Cycle Scheduling allows multiple cycle frequencies to be applied to a single PM Master. Cycle types include: daily, weekly, monthly, quarterly, semi-annual, annual and runtime.

Any combination of cycles can be established for a single PM. When a PM reaches its activation date for a cycle, it will become active. The only exception is if two or more cycles have the same active date. In this case the highest-level work order will become active.

The user can also view all the cycle types associated with each PM work order in a grid format through the Date Schedule Tab. The grid also shows users the next scheduled date, active date and last completed date for each cycle.

When a manually activated PM is skipped all the cycles that are associated with that PM are in essence re-set. This allows for users to re-set all cycle types in one convenient step.

### Runtime Schedule

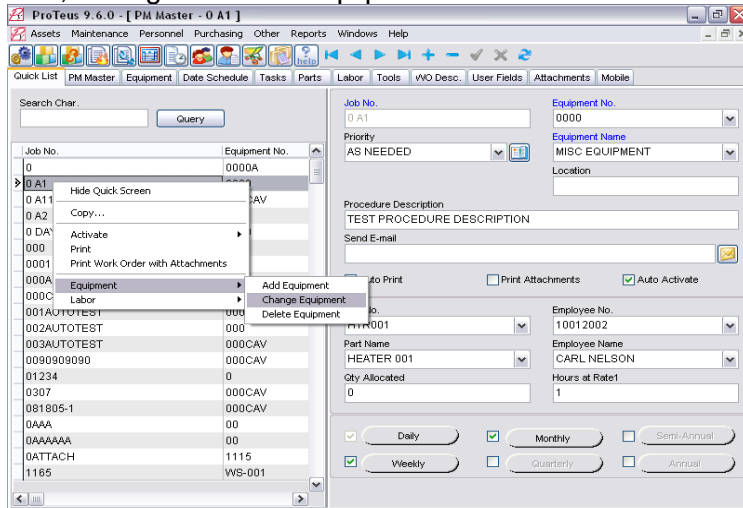
The screenshot displays the 'Runtime Schedule' window in ProTeus 9.6.0. The window title is 'ProTeus 9.6.0 - [PM Master - AHU-002]'. The menu bar includes 'Assets', 'Maintenance', 'Personnel', 'Purchasing', 'Other', 'Reports', 'Windows', and 'Help'. The toolbar contains various navigation icons. The main menu includes 'Quick List', 'PM Master', 'Equipment', 'Date Schedule', 'Tasks', 'Parts', 'Labor', 'Tools', 'WO Desc.', 'User Fields', 'Attachments', and 'Mobile'. The 'Date Schedule' tab is active.

The form contains the following fields and controls:

- Job No.:** AHU-002
- Cost Center:** 20000
- Originator:** PROTEUS ADMINISTRATOR
- Priority:** HIGH
- Maintenance Code:** HVAC
- Work Type:** PM
- Shift:** SECOND
- Est. Downtime:** 0
- Current Usage:** 0
- Runtime Cycle:** 0
- Runtime Advance:** 0
- Last PM:** 0
- Next PM:** 0
- Advance Next Cycle:** (dropdown menu)
- Procedure Description:** INSPECTION OF AIR HANDLING UNIT
- Send E-mail:** (checkbox)
- Auto Print:** (checkbox)
- Print Attachments:** (checkbox)
- Auto Activate:** (checked checkbox)

PM work orders can also be activated according to runtime schedules. The runtime schedule is used for equipment that requires preventive maintenance based on hours of operation. ProTeus offers the flexibility to maintain your equipment the way it was intended to be.

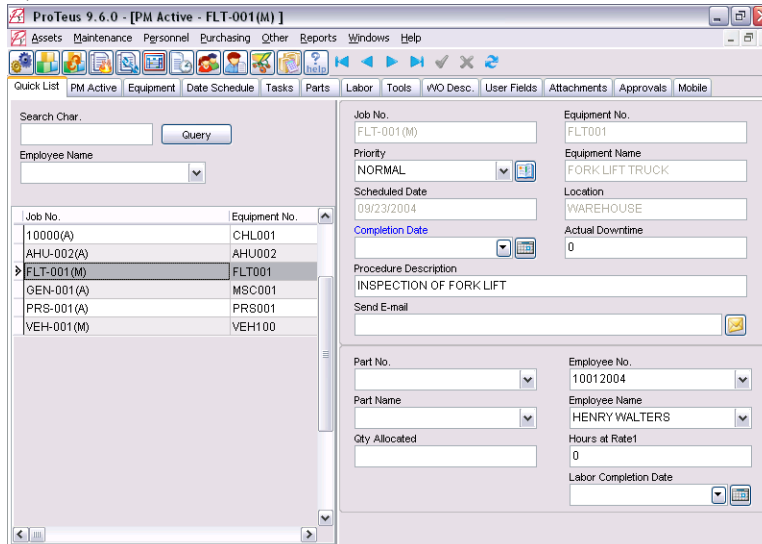
## Add, Change & Delete Equipment or Labor in Quick Screen



A PM work order can be applied to a single or multiple assets. This assists in managing maintenance work such as inspection, lubrication, etc... Individual or multiple work orders can be selected to have equipment or labor added, changed or deleted. The human engineered and user-friendly screens allow for heightened user operability.

## PM Active

### Quick Screen



The PM Active Module is used to update, print and close active preventive maintenance work orders that were created in the PM Master. The PM Active Module also allows you to multi-select work orders in order to change or add labor.

The PM Active Module will become the Module that is accessed most often in the overall execution of your PM plan. The PM Active Module also makes short work for updating and closing of work orders.

**Major Features:**

- Customer Number and Name are displayed for associated equipment
- “Assign To” capability
- Multi-select work orders to print, close as well as add delete and change labor or equipment

## DM Template

### DMT Tab

Job No. DMTAHU  
Request No. 002  
Cost Center 20000  
Est. Downtime 1  
Originator PROTEUS ADMINISTRATOR  
Symptom AIR UNIT IS NOT RUNNING. ROOM IS HOT  
Send E-mail  
 Auto Print  Print Attachments

Requested By ADMINISTRATION  
Priority HIGH  
Maintenance Code HVAC  
Work Type REPAIR OR RESET  
Shift FIRST

The DM Template Module is used for creating work orders for maintenance jobs and procedures that are routine, but not scheduled. This would include a job that follows the same procedure every time, but the frequency, timing or need cannot be anticipated. The DM Template Module reduces redundant data-entry and is an efficient way to manage unscheduled, breakdown, alarm related or emergency work.

## DM Active

### Quick Screen

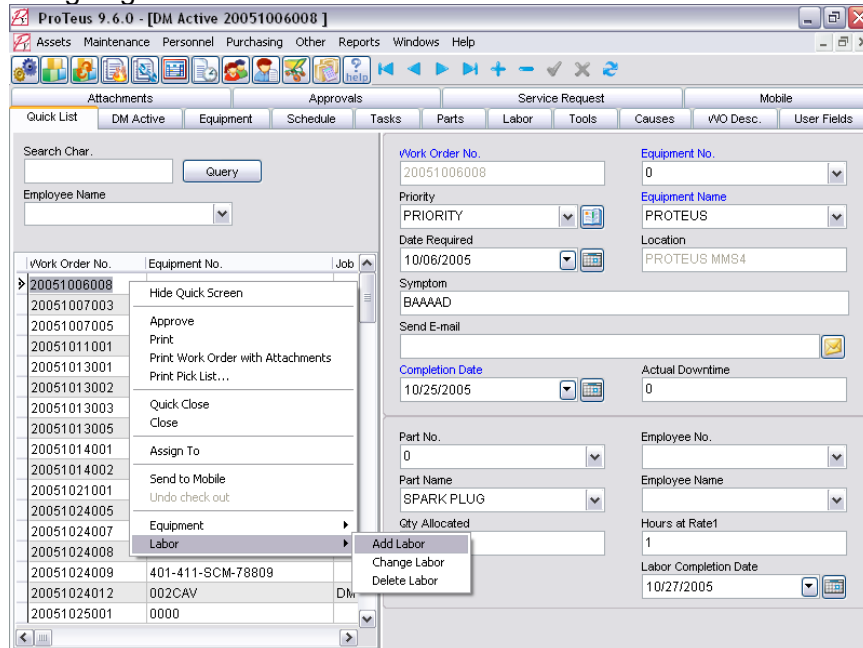
Search Char. [ ] Query  
Employee Name [ ]  
vWork Order No. Equipment No. Job  
20040917001 AHU002  
20040917002 PRS001 DM  
20040923002 CNC001  
20040923003 FLT001  
20040923004 BLR001

Work Order No. 20040923004  
Equipment No. BLR001  
Priority HIGH  
Date Required 10/04/2004  
Symptom DID NOT PASS STATE INSPECTION. NEEDS TO BE RECHECKED  
Send E-mail  
Completion Date  
Actual Downtime 0  
Part No.  
Employee No. 10012002  
Employee Name CARL NELSON  
Hours at Rate1 0  
Labor Completion Date

The DM Active Master File is used to create, print and/or close maintenance jobs in response to maintenance service requests, emergency breakdowns or other non-routine maintenance activities. Activated DM Template work orders can be modified, printed and/or closed from DM Active as well.

The DM Active Module assists in maintaining un-scheduled maintenance failures efficiently and effectively throughout each assets life cycle. Unexpected failures become easier to manage, distribute and follow through on. Included is ability to track “causes of failure” and associated downtimes. Reports help with downtime analysis and guide to set up PM and predictive maintenance programs.

### Assigning a Work Order



From the Quick Screen, a DM work order can be applied to a single asset or multiple assets. Multiple work orders can be selected from the Quick Screen in order to add, change or delete labor or equipment. This allows for fewer clicks and heightened user operability.

An “Assign To” field has been added to the PM Active and DM Active Modules. “Assign To” can be used to assign a work order to an individual who does not perform the actual labor, a supervisor for example. This makes it easier for supervisors to query work orders their team has pending.

## Scheduling Functions

New Features:

- Show/Hide Feature
- Customer View
- Resource Assignment

### Tree Navigation/Quick Screen

The screenshot shows the ProTeus 9.6 - [Scheduling] application window. The interface includes a menu bar (Assets, Maintenance, Personnel, Purchasing, Other, Reports, Windows, Help) and a toolbar. On the left, there is a tree view for navigating by month (March to December 2005) and a control panel for the current date (May 17, 2005), including options to display work orders by month (before or after) and by type (PM, DM, PM/DM). The main area displays a calendar for Tuesday, May 17, 2005, with colored numbers indicating scheduled work orders. A legend on the right identifies the colors: PM - Active (green), PM - Overdue (red), PM - Future (blue), and DM - Active (red). Below the calendar is a table of work orders.

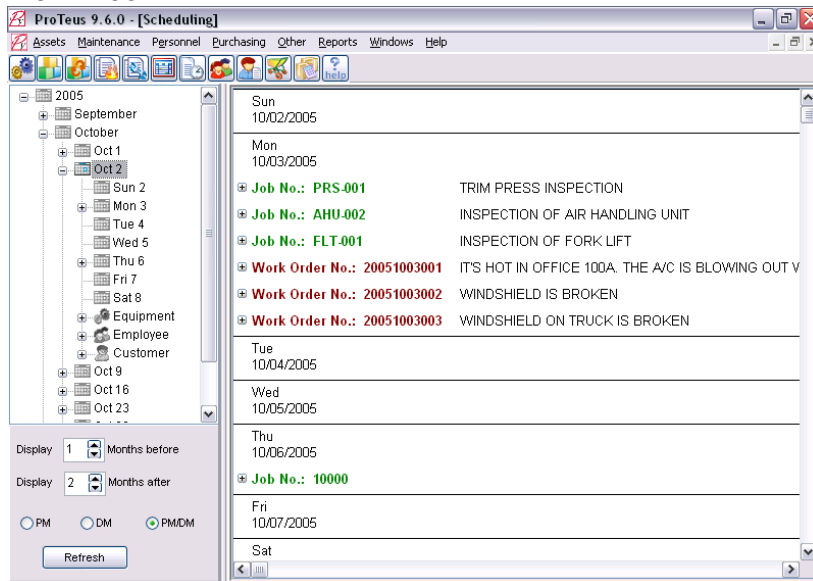
Job No.	Equipment No.	Equipment Name	Active Date	Next Scheduled Date	Procedure De
AHU-002(M)	AHU002	AIR HANDLING UNIT	05/17/2005	06/01/2005	INSPECTION
FLT-001(W)	FLT001	FORK LIFT TRUCK	05/17/2005	05/23/2005	INSPECTION
GEN-001(A)	MSC001	MISCELLANEOUS EQUIPMENT	05/17/2005	09/01/2005	ANNUAL GENI
PRS-001(Q)	PRS001	TRIM PRESS	05/17/2005	05/17/2005	TRIM PRESS I

The Scheduling Module displays current, overdue and upcoming PM and DM work orders in Calendar-View and Tree-View format. Viewing these work orders allows for equipment availability to be planned, available resources to be identified, and over-scheduling to be eliminated. Work orders are color coded for ease of use.

The ability to view by month, in calendar mode, is another feature in Scheduling. Numbers appear on each day for which maintenance activities are scheduled. They represent the number of Active PMs, Overdue PMs, Future PMs and Active DMs. Ability to project work orders for several months is a significant tool in resource planning.

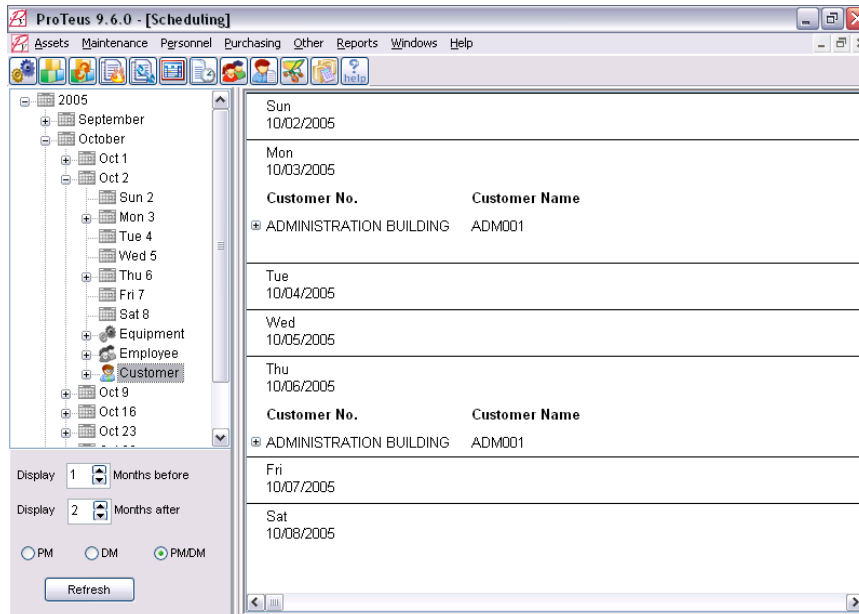
The “Show” and “Hide” buttons add the ability to show or hide details associated with PMs. When “Hide” is selected details are hidden and only the PM Masters due to become active on the Next Scheduled Date will be displayed and vice versa for “Show” mode.

## View Week



The Scheduler Module also allows the user to view work orders by week, day and job number. The job number as well as job description appears and can be expanded for more detailed information. The ability to preview and print a copy of the schedule or actual work orders eliminates the need to change modules frequently.

## View Customer



The Scheduler also allows the user to view work orders by equipment, employee and customer. The user is able to view the work orders scheduled for a specific week or day for a piece of equipment, an employee or a customer. The ability to preview and print a copy of the schedule is also included. Users can easily keep track of work orders for each individual customer, equipment or employee.

# Resource Assignment

The screenshot displays the ProTeus 9.6.0 Scheduling interface. The main window shows a calendar for Thursday, November 3, 2005. The calendar grid includes days from Sunday to Saturday. A context menu is open over the calendar, listing options: Reschedule, Add Labor, Change Labor, and Delete Labor. Below the calendar, a detailed view of work orders is shown with columns for Job No., Employee No., Employee Name, Labor Code, Equipment No., Equipment Name, Scheduled Date, and Proceed. The work orders listed include 002AUTOTEST(D), 003AUTOTEST(W), 01234(W), 0ATTACH(W), 2611(D), OVERDUE3(Q), TEST 1(Q), and XM(W). A 'Refresh' button is located at the bottom left of the work order list.

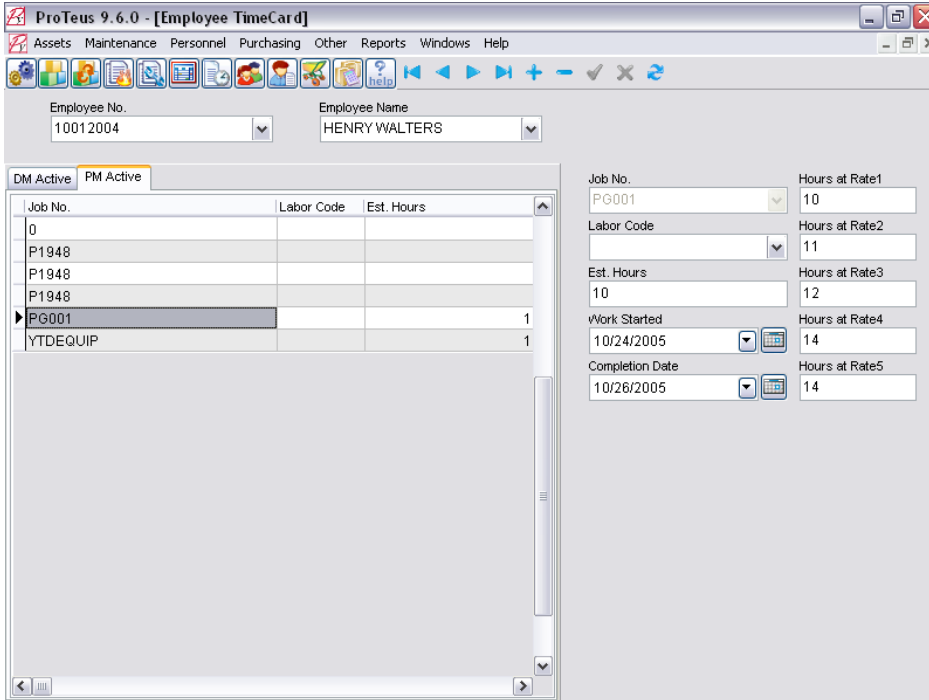
Job No.	Employee No.	Employee Name	Labor Code	Equipment No.	Equipment Name	Scheduled Date	Proceed
002AUTOTEST(D)				000	BROACH, ASTRO	11/03/2005	TEST A
003AUTOTEST(W)				000CAV	CAV000	11/03/2005	
01234(W)				0	PROTEUS	11/03/2005	
0ATTACH(W)		WLD BARTON	ELECT	1115	CARTON SEALER	11/03/2005	ATTCH
2611(D)		A, DAVE	EXAMPLE1	0	PROTEUS	11/03/2005	
OVERDUE3(Q)				000CAV	CAV000	11/03/2005	
TEST 1(Q)	6444	REHBEIN, SID		1015	1015	11/03/2005	
XM(W)				000	BROACH, ASTRO	11/03/2005	

Allows for labor to be added to or changed on PM Active, PM Future, PM Overdue and DM Active work orders. Labor can also be deleted from PM Future and PM Overdue work orders. Choose just one or a group of work orders for technician reassignment. Also have the ability to reschedule PM Future and PM Overdue work orders. This is a great tool to manage your labor resources.

## Maintenance

### Time Card

#### Time Card Screen



Employee No. 10012004 Employee Name HENRY WALTERS

Job No.	Labor Code	Est. Hours
0		
P1948		
P1948		
P1948		
▶ PG001		1
YTDEQUIP		1

Job No.	Labor Code	Est. Hours	Work Started	Completion Date
PG001		10	10/24/2005	10/26/2005
		11		
		12		
		14		
		14		

The Time Card Module allows employees to view work orders associated with their name and update labor for PM and DM work orders. It is a one-step process to easily update labor hours and dates without the need to access individual PM and DM work order records.

## Cost Center Manager

	Budget	Actual	Remaining
September 2005			
Material	\$500.00	\$0.00	\$500.00
Labor	\$500.00	\$0.00	\$500.00
Total	\$1,000.00	\$0.00	\$1,000.00
October 2005			
Material	\$500.00	\$0.00	\$500.00
Labor	\$500.00	\$0.00	\$500.00
Total	\$1,000.00	\$0.00	\$1,000.00
November 2005			
Material	\$500.00	\$0.00	\$500.00
Labor	\$500.00	\$0.00	\$500.00
Total	\$1,000.00	\$0.00	\$1,000.00
December 2005			
Material	\$500.00	\$0.00	\$500.00
Labor	\$500.00	\$0.00	\$500.00
Total	\$1,000.00	\$0.00	\$1,000.00

	Budget	Actual	Remaining
March 2006			
Material	\$500.00	\$0.00	\$500.00
Labor	\$500.00	\$0.00	\$500.00
Total	\$1,000.00	\$0.00	\$1,000.00
April 2006			
Material	\$500.00	\$0.00	\$500.00
Labor	\$500.00	\$0.00	\$500.00
Total	\$1,000.00	\$0.00	\$1,000.00
May 2006			
Material	\$500.00	\$0.00	\$500.00
Labor	\$500.00	\$0.00	\$500.00
Total	\$1,000.00	\$0.00	\$1,000.00
June 2006			
Material	\$500.00	\$0.00	\$500.00
Labor	\$500.00	\$0.00	\$500.00
Total	\$1,000.00	\$0.00	\$1,000.00

The cost center manager is used to add, modify and delete cost centers, as well as budgets for individual cost centers. Users can set a material budget and labor budget amount for each month, per cost center. The actual maintenance costs are compared against budgets. This is a great way to keep track of one or multiple budgets, all in one place. Cost centers can also be used in a service environment to track costs for each customer.

## Multiple Stockrooms

Local Stockroom

MAIN

Stockroom

CENTRAL

MAIN

The stockroom option is used to track inventory in multiple stockroom locations, as well as move inventory to different stockroom locations. The ability to sort inventory by stockroom improves management of repair parts and financial investment.

## Reorder List

Part No.	Part Name	Default Vendor	Vendor Name
0000C	C000	YES	BIG LOTS
0000COPYXXXX	BELT	YES	FLEET FARM
001	001	YES	FACILITY MAINTENANCE AND SUPPLY
02092005	POLES	YES	ACE
454545	DRIVER	YES	NAME
A3	A3	YES	TEST AAA
VEN001	VENDRPART	YES	GRAINGER
ZZ	ZIENER DIODE	YES	FACILITY MAINTENANCE AND SUPPLY

The reorder list option displays a listing of all parts from the Inventory Module in which the quantity of parts on hand has fallen below the user-defined reorder point. This list is helpful in managing the reorder of most-used parts and ensures that parts are stocked at all times. All purchase requisitions can be generated with a single click of mouse.

## Reports

New Features:

- New Reports have been added
- Reports were designed with Crystal Reports® version 11

## Asset Report/Equipment Cost History/PM Report

Job No.	Procedure Description	Completion Date	Actual Down Time
E-LITE	CHECK AND REPAIR AS NECESSARY ALL EMERGENCY LIGHTS	02/20/2002	2.00
E-LITE	CHECK AND REPAIR AS NECESSARY ALL EMERGENCY LIGHTS	01/15/2002	3.00
E-LITE	CHECK AND REPAIR AS NECESSARY ALL EMERGENCY LIGHTS	11/16/2001	3.00
E-LITE	CHECK AND REPAIR AS NECESSARY ALL EMERGENCY LIGHTS	09/20/2001	3.00
E-LITE	CHECK AND REPAIR AS NECESSARY ALL EMERGENCY LIGHTS	08/21/2001	3.00
E-LITE	CHECK AND REPAIR AS NECESSARY ALL EMERGENCY LIGHTS	07/26/2001	3.00
E-LITE	CHECK AND REPAIR AS NECESSARY ALL EMERGENCY LIGHTS	06/14/2001	3.00
E-LITE	CHECK AND REPAIR AS NECESSARY ALL EMERGENCY LIGHTS	05/21/2001	3.00
E-LITE	CHECK AND REPAIR AS NECESSARY ALL EMERGENCY LIGHTS	04/23/2001	3.00

The reports option is used to view or print any one of the many pre-formatted reports included with ProTeus V. These reports contain helpful information such as equipment downtime, cost history and labor costs. The information is obtained from the ProTeus V database tables. Each report is labeled and stamped with the current date and page number. These reports can be modified by using Crystal Reports™, an optional module.

Custom reports can be easily developed to meet your unique needs by using Crystal Reports. Reports can be saved, printed and emailed or data can be exported in several formats such as PDF, Excel, Word, text, HTML or XML.

## **Customer**

New Features:

- Work Order List Tab was added
- File Attachment Tab was added
- Cross-referencing with Equipment, DMs and PMs for each customer

## **Customer Module**

### **Customer**

### **Customer Work Order List**

Job No.	Cycle Type	Next Scheduled Date	Priority	Procedure Description
10000	Annual	09/15/2006		
10000	Daily	10/04/2005		
10000	Weekly	10/04/2005		
AHU-002	Annual	10/03/2005	HIGH	INSPECTION OF AIR HANDLING UNIT
AHU-002	Monthly	11/01/2005	HIGH	INSPECTION OF AIR HANDLING UNIT

Job No.	Runtime Cycle	Priority	Procedure Description
VEH-001	5000	NORMAL	VEHICLE SERVICE AND INSPECTION

Job No.	Priority	Symptom
DMTAHUJ	HIGH	AIR UNIT IS NOT RUNNING. ROOM IS HOT
DMTFRS	NORMAL	PRESS IS NOT RUNNING TO SPECIFICATION

The Customer Module can be used in a variety of ways, depending upon the application in which it is used. It can be used to identify a group of assets that are in a facility or that are owned by a customer. The Customer Master File also has cross-referencing capabilities with the Equipment Master File, PM Master File and DM Master File.

The Work Order List tab is a quick view of work orders that are associated with each customer. These capabilities assist a service manager or a facility manager to easily manage multiple customers, locations or facilities.

## Equipment

New Feature:

- Runtime PM was added

### Quick Screen

The screenshot shows the ProTeus 9.6.0 software interface for the Equipment Master File. The window title is "ProTeus 9.6.0 - [Equipment - AHU002]". The menu bar includes "Assets", "Maintenance", "Personnel", "Purchasing", "Other", "Reports", "Windows", and "Help". The toolbar contains various icons for navigation and actions. The main window is divided into several sections:

- Search Char.:** A search bar with a "Query" button.
- Equipment List:** A table with columns "Equipment No." and "Equipment Name". The list includes items like AHU002 (AIR HANDLING UNIT), BLR001 (BOILER SYSTEM), and others.
- Equipment Details:** A form for the selected item (AHU002) with fields for:
  - Equipment No.: AHU002
  - Equipment Name: AIR HANDLING UNIT
  - Location: MAIN PLANT
  - Status: In Service (with a green status icon)
  - Model: 39LC10GKCHEACGA
  - Manufacturer: CARRIER
  - Capacity: 14000 CFM
  - Rating: 208-230/460
  - Asset No.: 0300-55-001
  - Warranty Date: 09/16/2005
  - Serial No.: 39TY79874E752
  - Weight: (empty field)
  - Date Installed: 09/16/2004
  - Original Cost: \$25,000.00
  - Current Usage: 0
  - Daily Runtime: 0

The Equipment Master File is used to record, in detail, all the assets, equipment and equipment sub-assemblies that are the responsibility of the maintenance department. Equipment may include fans, chillers, presses, forklifts, etc... Sub-assemblies include any sub-components of equipment that are maintained separately. Generally speaking, the Equipment Master File can track any asset, such as HVAC equipment, machinery, vehicles, buildings, grounds, etc...

Ability to attach drawings, maintenance manuals, as well as other files, gives a total view of each piece of equipment to the maintenance manager.

## Inventory

### New Features:

- Print attachments for parts associated to work orders

### Quick Screen

The screenshot shows the ProTeus 9.6.0 software interface for the Inventory Master File. The window title is "ProTeus 9.6.0 - [Inventory - MAIN FLT001]". The menu bar includes Assets, Maintenance, Personnel, Purchasing, Other, Reports, Windows, and Help. The toolbar contains various icons for navigation and actions. The main area is divided into several sections:

- Search Char.:** A text input field and a "Query" button.
- Part List:** A table with columns "Part No." and "Part Name". The list includes:

Part No.	Part Name
FLT001	AIR FILTER
FLT003	AIR FILTER
HSE001	HOSE PACKAGE
LUB001	COOLANT
OIL001	HYDRAULIC OIL
PBL001	PUSH BUTTON, STANDARD
SPL001	SPARK PLUG
TIR001	TIRES
TIR002	TIRES
VBLT001	VARIABLE BELT
- Part Details:** Fields for Part No. (FLT001), Part Name (AIR FILTER), Shelf/Bin (S700), Manufacturer (MAX140), Qty On Hand (0), Reorder Point (10), Location (HVAC STORES), Description (PLEATED), Mfg. Part No. (408-B), and Size (16X25X2).
- Vendor Information:** Vendor Code (MCC001), Vendor Name (MC MASTER CARR), Default Vendor (checked), and Last Purchase (empty).
- Costs:** Unit Cost (\$2.75), Last Cost (\$0.00), and Total Cost (\$0.00).

The Inventory Master File is typically used to record details on all stocked and non-stocked parts and consumables that are used in maintenance. Inventory is a complete spare parts and maintenance supplies management system, which is linked with the Equipment, Vendor, Maintenance and Purchasing modules, allowing extensive lookup and cross-referencing capabilities. A time saving feature is the ability to add file attachments to a part. These attachments can be printed with a work order associated with that part.

ProTeus can also be combined with several Optional Modules, which further improve the efficiency and effectiveness of your maintenance program.

# Additional Modules

**Audit Trail**

**ERP Interface**

**M-Site**

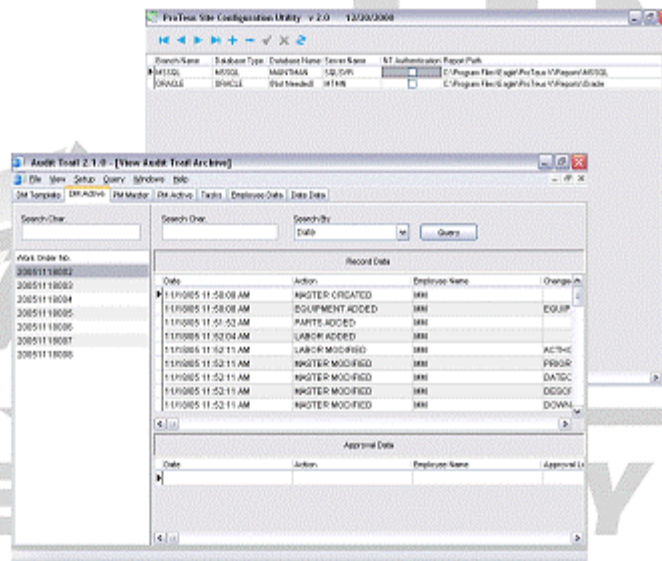
**PAI Interface**

**Mobile**

**Barcode**

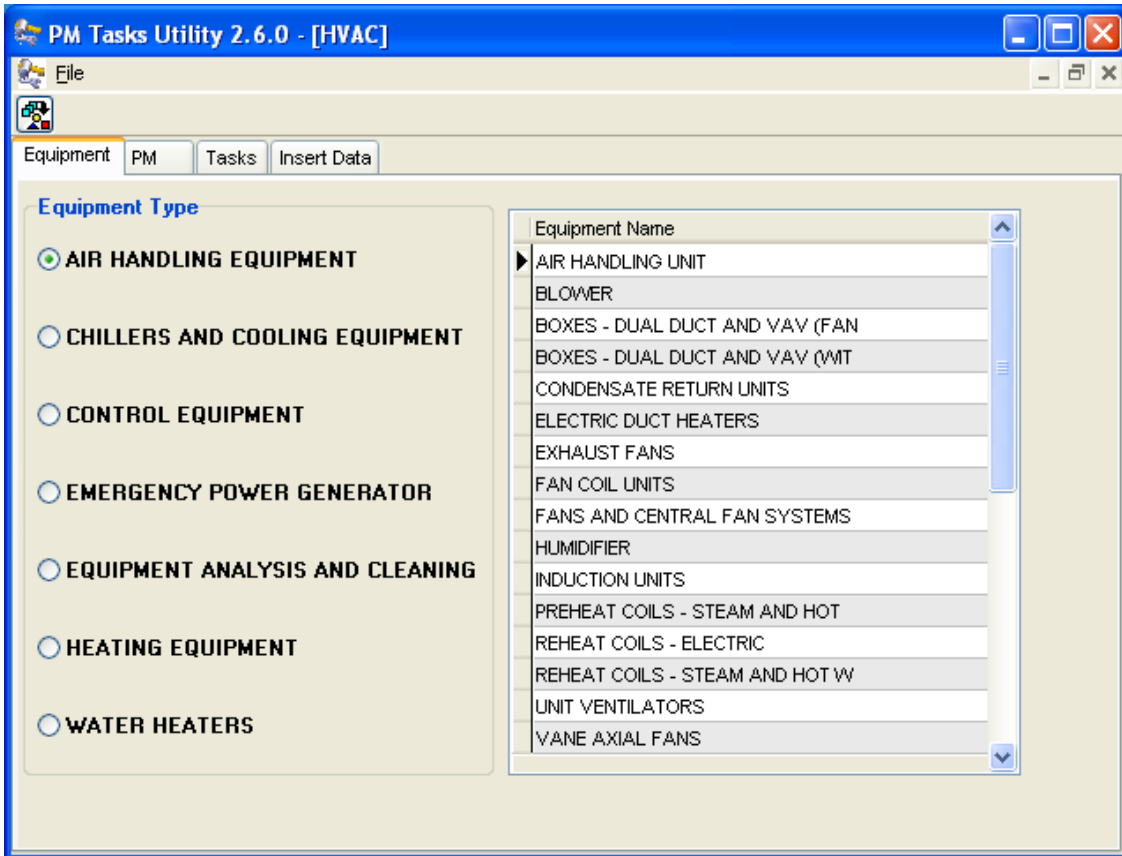
**PM Tasks**

**ProLink**



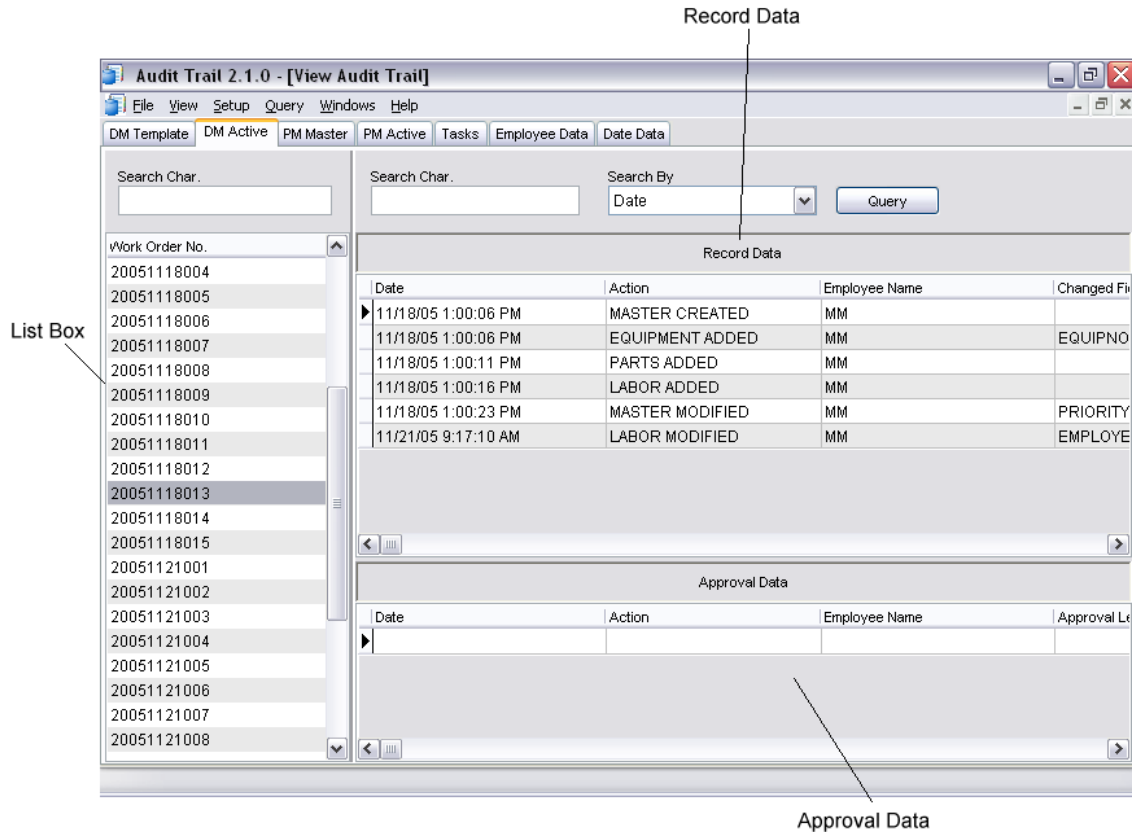
## PM Tasks

PM Tasks Module includes a database of recommended PMs for most HVAC equipment. This allows you to create PM work orders with predetermined maintenance tasks depending on the type of equipment. PM Tasks also allows you to easily enter information in the ProTeus Task master file.



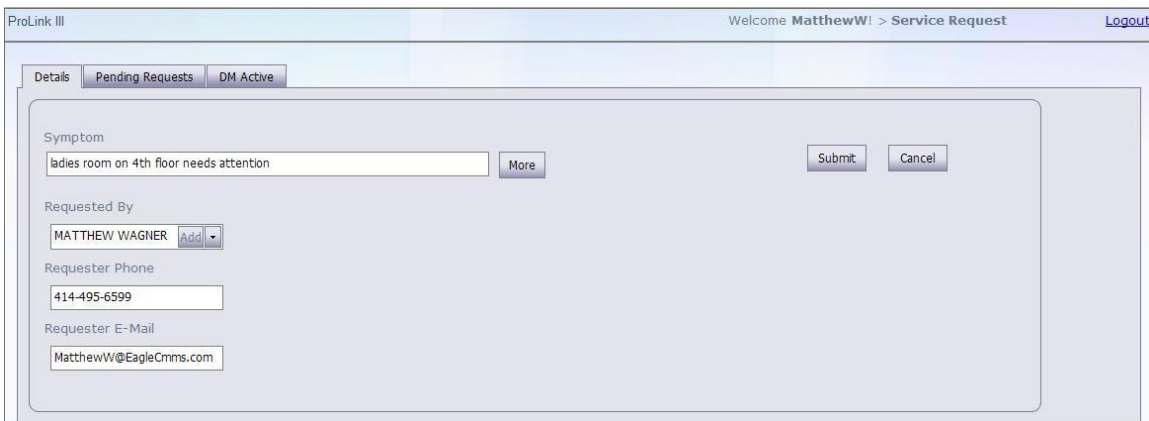
### Audit Trail

Audit Trail monitors and records any changes made in the ProTeus database Work Orders for bookkeeping or government agency standards.



## ProLink

ProLink is a web browser application that allows employees to send remote service request for work either to an administrator or directly into the ProTeus database. You simply login to a customizable web page to enter work requests, so no software is necessary on a requester's workstation.



## Mobile

With the ProTeus Mobile Module, work orders can be sent to a mobile device where they can then be updated and entered back into the ProTeus database. Employees can also enter new, unscheduled work orders while they are out in the field.



## Barcode

Work Order, Inventory and Transaction information can be scanned with a barcode reader to help ease the data entry process.

## Barcode Reports

ProTues V includes a variety of bar-coded lists for easy scanning of parts. Lists include:

Equipment Listing  
Inventory Listing  
Stockroom Listing  
Tasks Listing  
Causes Listing  
Employee Listing  
Cost Center Listing

### Cause Listing

0001	DEBRIS OBSTRUCTION	■■■■■■
0002	OPERATOR ERROR	■■■■■■
0003	BEARING FAILURE	■■■■■■
	OVERHEAT	■■■■■■
0005	OUT OF OIL	■■■■■■
0006	ELECTRICAL DAMAGE	■■■■■■
0007	BLOWN FUSE	■■■■■■

Each item on the list is assigned a separate barcode for easy scanning.

## ProTeus Alarm Interface

ProTeus is compatible with a growing number of building automation systems so that work orders can automatically generate based on alarms, runtimes and/or triggers.

## GLOBAL FACILITIES MANAGEMENT SOLUTIONS

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ProTeus Alarm Configuration 2.6.0 - MSDE ETI-ENG9 MaintMan - BOP\_1

Edit

Search

Vendor Name: ALL

Object Type: ALL

Configuration: ALL

Range: 1 To 1000

Find Objects Load File

Work Order Details

vWO Type: PM Equipment No.: RTU001

Job No.: BCU\_1-BOP\_1 Equipment Name: ROOF TOP A/C

Cycle Type: Weekly

Select DM Select PM E-Link

Object Tree

- BCU\_1
  - BOP\_1
  - BOP\_2
  - BOP\_3
  - BIP\_1
  - BIP\_2
  - BIP\_3
- BCU\_2

Alarm Details

Vendor Name: [ ]

Object Description: DUCT PRESSURE SENSOR

Priority: HIGH

Parameter1: [ ]

Auto-Print  Auto-Activate  E-Link

Update Delete Close

## ProTeus ERP Interface (ERPI) Module

ProTeus ERP Interface is an optional Program Utility and API's (Application Programming Interface) designed to permit ProTeus users to exchange or share data with most Corporate Systems such as Purchasing, ERP (Enterprise Resource Planning) or Accounting.

C++ ERPI Sample Test v1.6 10/20/2000

Login | GetData | Send Data

Samples to choose from:

- 4: EQUIPMENT (NEW)
- 5: EQUIPMENT (NEW)
- 6: EQUIPMENT (NEW)
- 7: EQUIPMENT (NEW)
- 8: INVENTORY (NEW)
- 9: INVENTORY (NEW)
- 10: INVENTORY (NEW)
- 11: INVENTORY (UPD)
- 12: INVENTORY (NEW)
- 13: EMPLOYEE (NEW)
- 14: EMPLOYEE (NEW)
- 15: EMPLOYEE (NEW)

Name: INVENTORY

TransType: UPD

Key Names: PARTNO:S

Key Values: "ERPI1-INV"

Field List: PARTNAME:S

Field Values: "UPDATED ERPI1 INV NAME"

These are sample SendData records that can be used to test the SendData function. All the fields are editable so you can make changes as you want. Some of these were designed to be bad data so the Log file could be looked at.

Send Data

Send Successful

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