

Are you  
managing your  
assets or are  
they managing  
you?



*Operate at your Optimum*

We believe that this is in reach of every asset owner to take control of his assets and manage them to deliver expected outcomes. There are many platforms and systems available that can help to achieve this. There is however only one system as purposely developed to serve in all the needs of an asset management team as ours.

Pragma On Key is the result of years of experience, research and a focused dedication to the ever-growing physical asset management needs of modern companies. Having all relevant modules embedded in a single solution ensures the optimisation of your asset management function, instead of focusing on individual activities. Ultimately this converts to improved asset performance, cost control and contained risk.

**There are five modules and two additional enhancements in the Pragma On Key suite which include:**

Asset Register  
 Maintenance Manager  
 Materials Manager

Asset Care Plan Developer  
 Asset Identification and Assessment

On Key Express  
 On Key Extensions

# Asset Register

The Asset Register module is used to build and maintain a comprehensive and accurate asset register.

## Benefits

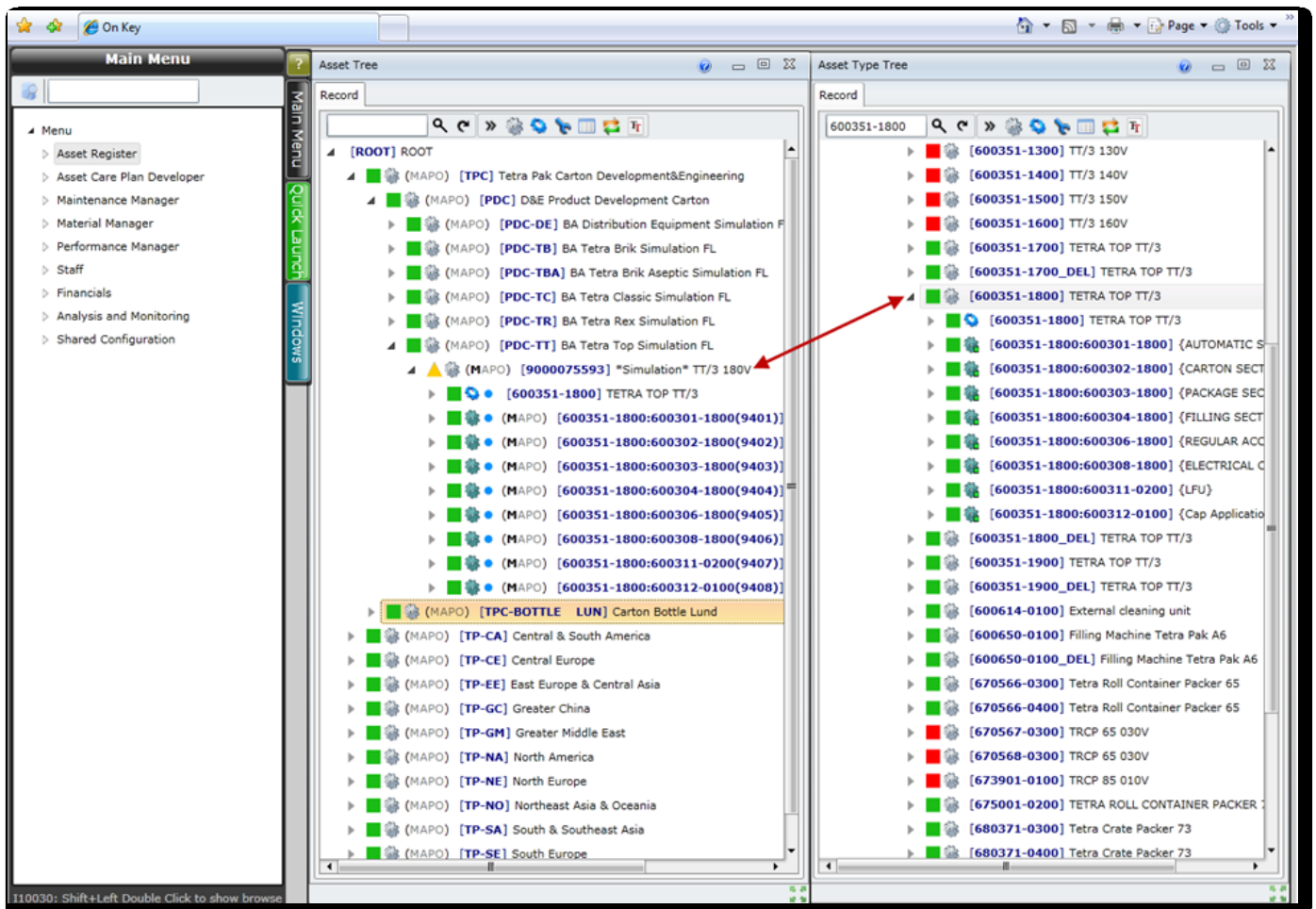
Having an accurate, multi-site and multi-level asset register that is easy to maintain.

Being able to administrate asset depreciation.

Asset information is obtainable from one central location (warranty dates, attributes, documents, drawings, suppliers, depreciation information, and serial numbers).

Asset management is made simple.

Full life cycle management (asset care, asset operation, asset acquisition and disposal) is possible if used in conjunction with other modules of On Key.



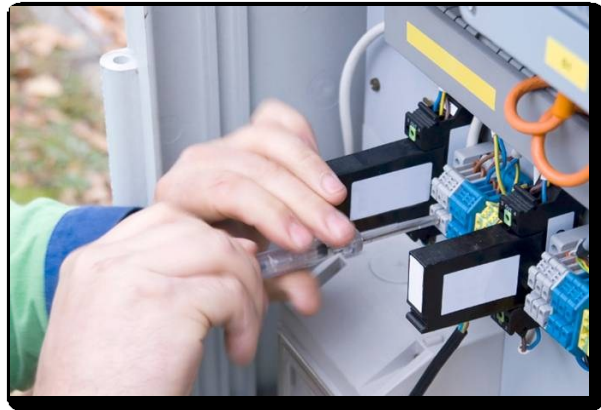
# Maintenance Manager

The Maintenance Manager module is an invaluable tool to the asset care function of any organisation, ensuring the optimisation of asset availability, asset reliability and resources. It is also used as a general helpdesk system.

## Benefits

- Having an accurate, multi-level asset register that is easy to maintain.
- Having a complete history per asset on work performed.
- Easy administration of all statutory jobs.
- Being able to administrate maintenance tactics and optimisation.
- Plan and optimise maintenance and engineering resources.
- Analysis of maintenance intensive assets from a cost and resource point of view.
- Failure analysis.

Proper planning and scheduling of all maintenance work



The screenshot displays the Maintenance Manager software interface. On the left is a 'Main Menu' with a tree view containing sections like 'Asset Register', 'Asset Care Plan Developer', 'Maintenance Manager', 'Work Requests', 'Work Order Costing', 'Work Order Queues', 'Work Order Configuration', 'Planning', 'Monitoring', 'Material Manager', 'Performance Manager', 'Staff', 'Financials', 'Analysis and Monitoring', and 'Shared Configuration'. The central pane shows a list of work orders under the heading 'Work Orders'. The selected work order is 'Please Fix Pump', with a description: 'Do Repairs on the exterior of the Building as a year Project'. Below this, a list of tasks is shown, including 'Please Fix Product Supply Pump', 'Please Repaint the Pump', 'Pump is again not working, please fix', 'Please Fix Motors earthing', 'Filler Drive unit is not working properly', 'Clean Filler as requested by QC', 'Gerabox Casing has a crack please fix', 'Pump is not working properly, Please inspect and fix', 'Clean Production Line Floor', 'Clean Production Area Floors', 'Motor Casing has a crack, Please Fix', 'Please Repair the Pump', 'Clean Filler as requested by QC', 'Casing has a crack, Please Fix', 'Drive Unit is not working properly, jerky at times, please in', 'Please Install the 2 Centrifugal Water Pump on the groundfl', 'Repair Floor on Ground floor, where attention is needed', 'Service Forklift per checksheet', 'Install new monitoring equipment as per project AP2355', 'Please Check Machine for problem on infeed Unit', 'Please Adjust Filler Setting, Operator does not know how', 'Replace Brush on the Motor', and 'Task(s) for the following Intervals: Week;'. The right pane shows a detailed view of the work order 'R00100 Please Fix Pump'. It includes a 'Header' section with fields for Code (R00100), Description (Please Fix Pump), Site (A21), and Asset (PUMP003). The 'Status' section shows the status as 'CL' (Closed), changed by 'A21 Administrator', and changed on '11/04/2005 16:25:46'. Below this is a 'Work Order Costing' table with columns for Work Order, Asset Code, Financial Period, Cost Element, and Site Total. The table contains two rows: one for 'R00100 PUMP003 2005 January MAT' with a site total of 35.00, and another for 'R00100 PUMP003 2005 January LAB' with a site total of 133.33. A 'Count: 2' is shown at the bottom of the costing table.

Work Order	Asset Code	Financial Period	Cost Element	Site Total
R00100	PUMP003	2005 January	MAT	35.00
R00100	PUMP003	2005 January	LAB	133.33

# Materials Manager

The Materials Manager module incorporates the basic rules and best practices of inventory management and control, ensuring the optimisation of stock holding and spares availability.

## Benefits

- Optimum stock levels.
- Track stock and non-stock items through multiple stores.
- Track item costs and balances by bin, lot and warehouse.
- Replenish stock from a vendor, a central store or a warehouse when quantities fall below the minimum levels.
- Access material forecasting and item availability information.
- Automatically issue stock and direct purchases once received.

Full control of your MRO inventory and expenses



Screenshot of the Materials Manager software interface showing a menu on the left and three data tables in the main window.

**Main Menu**

- Menu
  - Asset Register
  - Asset Care Plan Developer
  - Maintenance Manager
  - Material Manager
    - Stock Configuration
      - Stock Warehouse Items
      - Stock Catalogue
      - Stock Warehouses
      - Stock Commodities
      - Suppliers
  - Performance Manager
  - Staff
  - Financials
  - Analysis and Monitoring
  - Shared Configuration

**Stock Warehouses**

Code	Description	Site Code
TR06	Turkey Carton	TRC
TS02	MU Production Lund	GLOB
PK02	Pakistan Carton	PKC
TS01	Parts Main Store	GLOB
TS03	MU Production Hochheim	GLOB
PT01	Portugal Carton	PTC
ES02	Spain Carton	ESC
DK02	Denmark	DKC
Count: 27		

**Suppliers**

Code	Description	Site Code
BMAN	Bearing Man	GLOB
Count: 1		

**Stock Warehouse Items**

Site Code	Warehouse Code	Stock Item Code	Stock Item Description	Re-order Level	Quantity On Hand	Quantity Required
PKC	PK02	236864-0000	AXLE SUPPORT	0.00	999999.00	0.00
PKC	PK02	237461-0000	Carrying bar	0.00	999999.00	0.00
PKC	PK02	237503-0000	Bushing	0.00	999999.00	0.00
PKC	PK02	237711-0000	SPROCKET	0.00	999999.00	0.00
PKC	PK02	237868-0000	AIR DUCT	0.00	999999.00	0.00
PKC	PK02	237879-0000	AIR DUCT	0.00	999999.00	0.00
PKC	PK02	239022-0000	Knife holder	0.00	999999.00	0.00
PKC	PK02	239386-0000	Shaft	0.00	999999.00	0.00
PKC	PK02	239399-0000	Carrying bar	0.00	999999.00	0.00
Count: 500						

I10030: Shift+Left Double Click to show browse

# Asset Care Plan Developer



Investing in your assets' reliable performance

The Asset Care Plan Developer module is used to build and maintain accurate and flexible tasks that are required to maintain assets.

## Benefits

- Build assemblies, machines, etc from functional units or sub-assemblies to fast track roll-out activities and the configuration of assets or production lines.
- Change control functionality that assists in the development or updating of new or previously rolled out assets and tasks.
- Configurable scenarios can be allocated to assets and tasks to ensure flexibility during changing production scenarios and other external influences.
- Asset development is made simple.
- Full life cycle management (asset care, asset operation, asset acquisition and disposal) is possible if used in conjunction with other modules of On Key.

The screenshot displays the software interface for the Asset Care Plan Developer module. It is divided into several panes:

- Asset Type Tree:** A hierarchical tree view on the left showing the structure of assets. The root is '[\*1000] 1 Functional Units', which includes sub-entities like '[\*1004] Gearboxes', '[\*1007] Motors Electrical', and '[\*1019] Pumps'. Under '[\*1019] Pumps', there are further sub-entities like '[\*1115] Casing', '[\*1107] Fan', and '[\*1126] Gearbox'. A task '[\*3375] Clean blades of fan' is highlighted under the '[\*1130] Gearbox' sub-entity.
- Failure Analysis for Asset Type Component: [C1] Component 1:** A table view on the right showing failure analysis data. The table has columns for Failure Type Description, Failure Code, Failure Description, Root Cause, Root Cause Description, and Repair Type. A record is shown for 'Mechanical Failure' with Failure Code 'MEPIT' and Failure Description 'Pitted - Mechanical Failure FATI'.
- Asset Type Task: [\*3375] Clean blades of fan:** A table view below the failure analysis showing scenarios for the task. The table has columns for Edit State, Development Status, Inheritance Type, Active, Scenario Code, and Scenario Description. Three scenarios are listed: 'None' (High Demand), 'None' (Medium Demand), and 'None' (Normal Demand).

Failure Type Description	Failure Code	Failure Description	Root Cause	Root Cause Description	Repair Type
Mechanical Failure	MEPIT	Pitted - Mechanical Failure FATI	FATI	Fatigue	REPL

Edit State	Development Status	Inheritance Type	Active	Scenario Code	Scenario Description
None	Confirmed	Inherited	<input checked="" type="checkbox"/>	HIG-DEM	High Demand
None	Confirmed	Inherited	<input checked="" type="checkbox"/>	MED-DEM	Medium Demand (Be...
None	Confirmed	Inherited	<input checked="" type="checkbox"/>	NOR-DEM	Normal Demand
Count: 3					

# On Key Extensions

On Key Extensions is an online application that extends the functionality of On Key and is configured to work with different On Key databases. On Key Extensions is used to:

- Calculate and monitor response time service levels for specific key performance indicators (KPIs).
- Automate business processes via status change notifications.
- Respond to status change notifications received.
- View On Key reports.

## Benefits

On Key Extensions automates activities within the Work Planning and Control business process and provides real-time intelligence to asset owners and managers.

Key benefits of using On Key Extensions are:

- Shorter duration of the work planning and control cycle.
- The accuracy of the information is improved.
- Information is provided to all On Key users, who use web pages to view work orders, make pro-active decisions and/or intervene in the process.
- Data velocity.

The screenshot shows the PRAGMA Response Time Calculator interface. At the top, the PRAGMA logo and tagline "Operate at your Optimum" are visible. Below the navigation bar, there is a "Search Filter" section with four dropdown menus for "Asset Importance", "Asset Type", "Type Of Work", and "Work Order Importance", all currently set to "NO FILTER". A "Retrieve Response Time Matrix" button is located below the filters. The "Response Time Matrix" section features a table with columns for "Asset Importance", "Asset Type", "Type Of Work", "Work Order Importance", "Workdays Only", and "Response Time (HH:mm)". Two rows of data are visible, with checkboxes in the "Workdays Only" column and response times of "0 : -1" and "24 : 0". Navigation buttons like "First", "Previous", "Next", and "Last" are present, along with a "Jump to page" dropdown and an "Update All" button.

Asset performance information at your fingertips for improved decision making

The screenshot displays the "Work Order: [R00100] Please Fix Pump" interface. It features a "Record" tab and a search bar containing "R00100". Below the search bar is a toolbar with navigation and action icons. The interface is divided into sections: "Modification", "Work Order Classifications", "Task Classifications", and "Progress percentage update". A "Header" section contains fields for "Work", "Request", "Planning", "Feedback", and "Information". The "Header" section is expanded to show details for the work order: Code (R00100), Description (Please Fix Pump), Site (A21), and Asset (PUMP003). The "Status" section shows the work order is "Closed" (CL), changed by "A21 Administrator", and changed on "11/04/2005 16:25:46". The bottom status bar indicates "Status Unchanged".


# On Key Express

On Key Express is a web based, simplified work order feedback application that can be customised to a client's preference.

## Benefits

- Simplified work order feedback mechanism.
- Web based – accessible through an internet browser.
- Easy to train users and deploy application because of simplicity.
- Customisable
  - only expose relevant tabs and fields
  - customise fields, headings and labels
  - customise layout on some screens
  - customise application name and branding
  - project specific field manipulation.
- Adhere to all On Key business rules.
- Fully translatable.



 **PRAGMA** On Key Express  
Work Orders & Feedback

Work Order List | Create Work Order | Work Order Feedback | Reports | SERENSBURGD (Log out)

Work Order Code: S000025326 | Search | Save | Report

### Work Order Header

Work Order Code	S000025326	Parent WO Code	
Status Description	Awaiting Approval (Change)		
Asset Description	[9000087120] TBA/22 200S 050V	Asset Type Description	[648571-0500] Filling Machine TBA/22
Site Description	[CAC-ALASSONDE 5AV] A LASSONDE 5TH AVENUE	Location Description	[UNK] UNKNOWN
Responsible Staff Description	[UNKNOWN] A UNKNOWN		
Responsible Section Description	[TP] Tetra Pak	Trade Description	[UNKNOWN] UNKNOWN
Type Of Work Description	[PREVEN] Preventive	Importance Description	
Requester	Scheduler		
Contact		Phone	
Start On	2011/01/01 12:00 AM	Received On	2010/11/04 05:20:20 PM
Required By	2011/01/01 12:00 AM	Complete By	2011/01/01 12:00:00 AM
Completed On			
Est. Duration	0:05	Est. Downtime	0:05
Progress Percentage	0		
Total Number of Tasks: 1 Scheduled from Last Done: 1			

### Tasks

Task Code	Task Description	Complete	Passed
DEFAULT	Default Task	<input type="checkbox"/>	<input type="checkbox"/>
*765749	Change Battery	<input type="checkbox"/>	<input type="checkbox"/>

Add Tasks | Complete All

Pragma On Key: Peace of mind for asset owners

# Specifications

## Minimum hardware specifications

### On Key server

CPU: 2 x 4core; 2.66GHz or higher  
RAM: 16GB or higher  
HDD: SCSI Disk array

### Database server

CPU: 2 x 4core; 2.66GHz or higher  
RAM: 16GB or higher  
HDD: SCSI Disk array

### Client PC (workstation)

CPU: Pentium IV 2.4GHz or later  
RAM: 2Gb or higher

## Minimum software specifications

### On Key server

Operating system: Windows Server 2008 (Windows Server 2008 R2 64-bit recommended)

### Database server

Operating system: Windows Server 2008 (Windows Server 2008 R2 64-bit recommended)  
Database server: SQL Server 2008 (SQL Server 2008 R2 64-bit recommended)

### Client PC (workstation)

Operating system: Windows XP Professional / Windows Vista or later  
Web browser: Internet Explorer 8

Operate at your Optimum

