

If your business involves any of the following or similar areas:

- ▶ Equipment Maintenance for petrochemical, electricity generation and other industries
- ▶ Rental management of machinery and equipment
- ▶ Safety Inspections of equipment at industrial sites or remote locations
- ▶ Servicing of automats, ticketing machines, telecom equipment...
- ▶ Hazardous Material Inspections at chemical plants and laboratories
- ▶ Safety Management of power generating plants and general work environment
- ▶ Security Monitoring of airport terminals, company equipment and premises
- ▶ Quality Control Audits

Then let EquipMan[®] put you in full control.



EquipMan[®] is intelligent, multi-purpose and multi-feature IT-Solution. It is a total solution that requires less effort to minimize equipment failure, increase service efficiency, improve safety inspection, speed up quality control audits and much more...

Be Efficient, Save Time, Serve More Customers Professionally!

Features at a Glance

Central Management of facilities, for all your maintenance requirements.

Preventive Maintenance – covers various application areas with all types of equipments.

Equipment Usage Information can be tracked automatically through high-tech wireless hardware acoustic sensors, providing an ideal solution for rental businesses.

Sophisticated and Versatile Report Manager provides more than 40 standard reports. In addition, an unlimited number of customized reports (i.e. Crystal reports) can be generated.

Flexible & easy to use for a wide range of areas including safety inspections, facility management, maintenance and Security monitoring etc..

Track History of all objects like equipments, machines, parts.

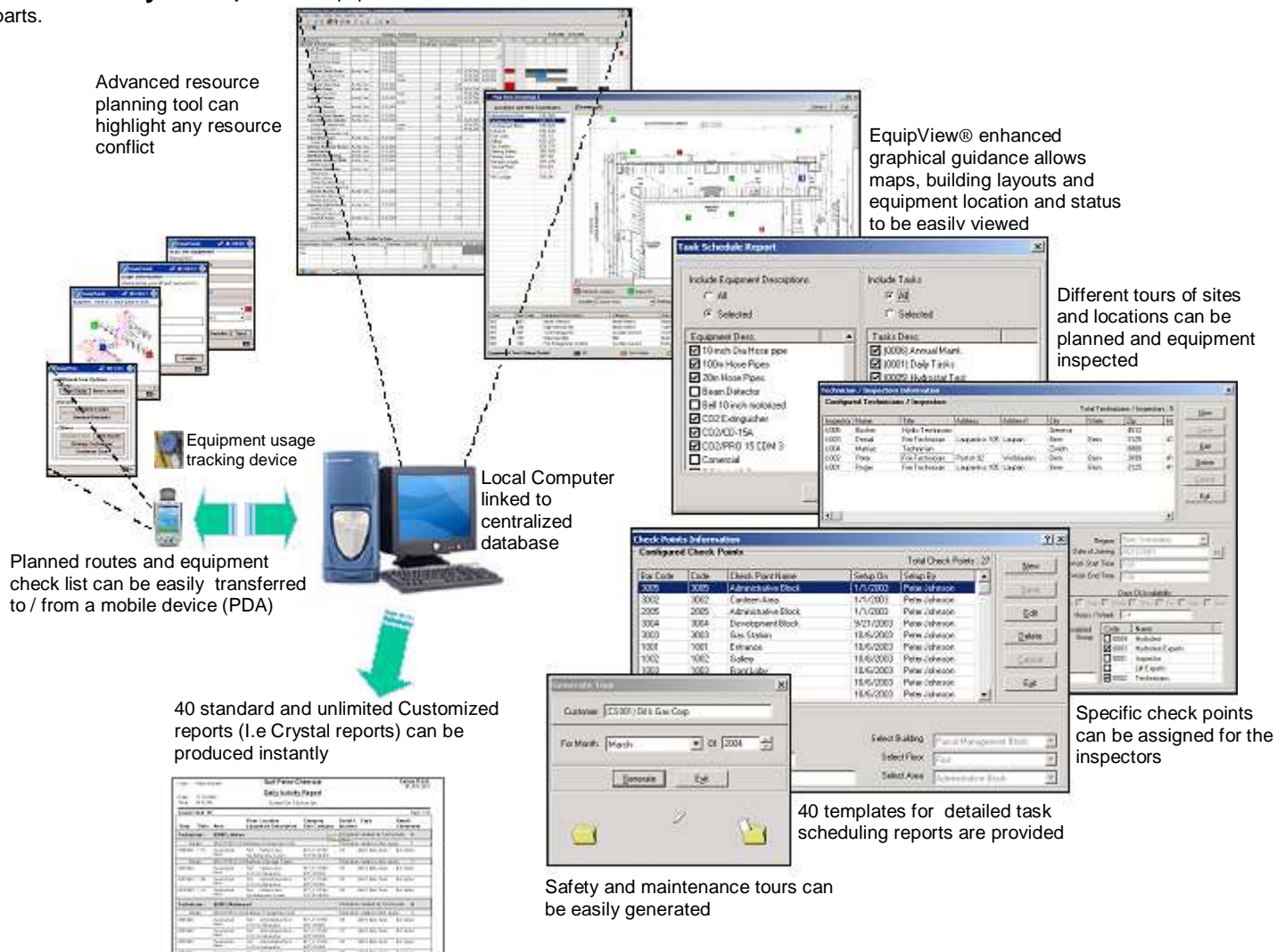
Resource Planner facilitates to plan tours and assign resources for all maintenance tasks. The plan is shown graphically for quick overview. Resource engagement conflicts can be viewed with just a mouse click, and resolved.

EquipView® – an integrated facility to provide overview of current status graphically on a map or diagram.

Schedule and accomplish service & maintenance of various kind of equipments including fire & safety equipments, different automats, ticketing machines and other facilities

Compliance to regulatory authorities can be easily managed.

Reduce TCO¹ & Increase ROI² with standard and readily available system components. No longer do you need to be tied down to one supplier or incur delays due to unavailability of components.



Advanced resource planning tool can highlight any resource conflict

EquipView® enhanced graphical guidance allows maps, building layouts and equipment location and status to be easily viewed

Different tours of sites and locations can be planned and equipment inspected

Equipment usage tracking device

Local Computer linked to centralized database

Planned routes and equipment check list can be easily transferred to / from a mobile device (PDA)

40 standard and unlimited Customized reports (i.e Crystal reports) can be produced instantly

Specific check points can be assigned for the inspectors

40 templates for detailed task scheduling reports are provided

Safety and maintenance tours can be easily generated

Site Code	Check Point Name	Setup On	Setup By
3005	Administrative Block	1/15/2003	Pete Johnson
3002	Customer Area	1/15/2003	Pete Johnson
2005	Administrative Block	1/15/2003	Pete Johnson
1004	Development Block	3/21/2003	Pete Johnson
3003	Site Station	18/6/2003	Pete Johnson
1001	Entrance	18/6/2003	Pete Johnson
1002	Roof	18/6/2003	Pete Johnson
1003	Food Lab	18/6/2003	Pete Johnson

Be Safe, Feel Secure ... With EquipMan® You Can Be Sure ...

Efficient Equipment Maintenance, Safety Management and much more at your fingertips

EquipMan® automates the inspection, maintenance and repair process for all types of equipments and machines, located anywhere. Equipment and machine repairs, safety inspections, hazardous material inspections, and quality control audits are just a few areas where EquipMan® makes operations smoother and efficient.

If any incident is observed during the routine tasks, it can be electronically saved and transmitted through the central system to the repair & maintenance department.

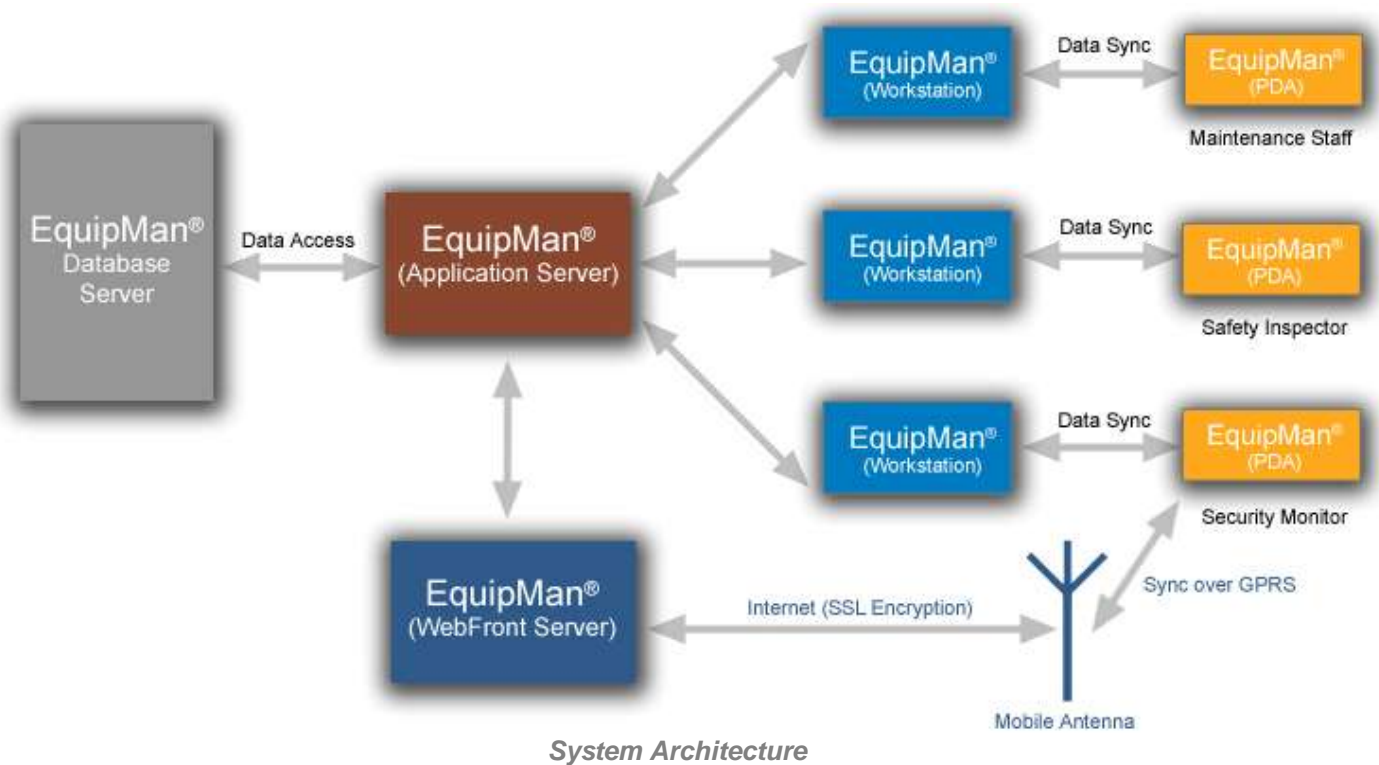
EquipMan supports specialized wireless devices to automatically track usage of equipments (hourly, daily and monthly operations). Invoices for rental clients can be prepared based on equipment usage reports. Maintenance tours are automatically generated as soon as equipment is used for specified number of hours. The device registers number of times and duration a machinery was in operation.

EquipMan® works at 50 times faster speed and with 10'000 times more accuracy compared to manual data entries.

EquipMan® integrates scheduling of routine tasks inspection/maintenance activities and analyses results for reporting into one central system.

Use of standard and readily available system components helps to minimize running cost and guarantee future expansion needs. This include main application with database, Pocket PC 2003 based PDA with embedded application and in-hand bar code scanners.

Inspection and Maintenance tours are performed using PDAs, collected data is synchronized with the main database. Various standard and fully customizable reports, including object history reports, can be generated to meet requirements of regulatory authorities like OSHA³, JCAHO⁴, NFPA⁵, & others.



EquipMan® is user friendly, easy to learn and manage. Users can add and modify Route to follow, Zone, Checkpoint, various equipments and their attributes. Discrepancies are automatically identified and task requests are generated based on recorded incidents. Detailed reports can become available immediately after the data is synchronized.

EquipView® is a sophisticated map and diagram based component to provide quick status overview by linking a pictorial

view to the system objects like equipments, machines etc. A User can click on any checkpoint to receive details of discrepancies or task requests outstanding at that checkpoint. The output of EquipView®, either in printed or electronic form, guide the users through buildings, plants and other objects.

Such plans can be used in abnormal situations like emergencies to locate specific objects like fire extinguishers, breathing apparatus and water hose etc.

Equip your Workforce with EquipMan®, perform inspection and maintenance activities or scheduled tasks anywhere:

- Equipment maintenance inspections
- Biomedical equipment inspections
- Tracking of equipment usage
- Periodic equipment reading checks
- Ticketing or vending machine inspections
- Refilling of food & beverage supply automats, ticketing or photograph machines etc.
- Electrical appliance inspections
- Transport vehicle security equipment inspections like fire extinguisher checks in buses, trams and trains, etc.
- Transport systems' inspections and maintenance activities like for elevators, escalators, carriers, etc.
- Checks of train cars & locomotives
- Facility maintenance inspections
- Security and Quality monitoring
- Physical security patrols
- Safety inspections like:
 - Fire extinguisher inspections
 - Fire detection system monitoring
 - Sprinkler/Alarm System checks
 - Eye wash station inspections
 - Pump Inspections
 - Hose inspections
 - Valve Inspections
 - SCBA inspections
 - HVAC equipment inspections

EquipMan® Management Key Benefits

Increase Mobile Workforce Productivity

Use EquipView®-Mobile (EquipView® for PDA) to check equipments on an EquipMan® or User Guided Route. This eliminates the possibility of some critical equipment being overlooked. Map & diagram based guidance facilitates a visit to remote checkpoints in a minimal time as routes are preplanned. Selection of pre-configured incidents, checklists, parts, etc., speeds up data entries.

Establish Paperless Environment

During the predefined tours, all data entries are fed directly into PDAs, eliminating the need for paper records which can often be incorrectly filled or go astray. The collected data is transferred to central database with a single click, where it can be checked for inconsistencies and errors. Using the collected tour data various filtered reports can be generated to focus specific aspects. The data can be reused as required.

Customizable Reports

In addition to more than 40 standard reports including the Management Summary, EquipMan® provides highly customizable reports. Customization features include selection of fields from all tables, sort and filter criteria, grouping of data, etc. Summary fields can be inserted in the reports to get extended information such as Grand Total of equipments inspected on a tour.

Compliance with Regulatory Authorities

Checklist and test objects can be defined for each type of equipment as required by regulatory authorities. Users receive checklist automatically according to the type of scanned equipment. Types of check include, multiple choice, options, date & text, bar code and numeric value with configurable ranges.

Labor and Material Cost

EquipMan® provides Labor & Material cost calculations. Cost reports can be generated for each maintenance activity.

Central Data Repository

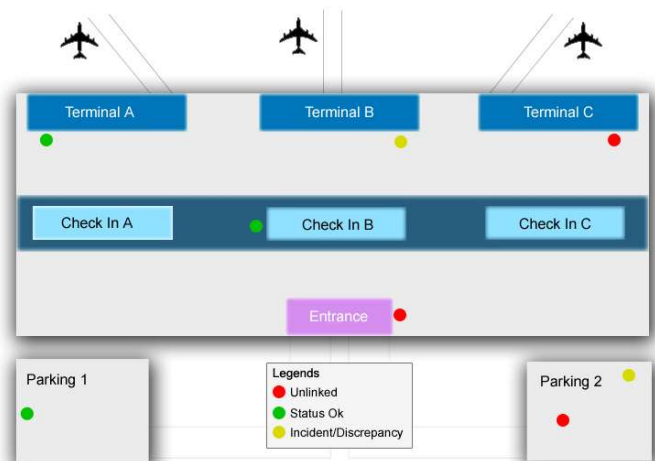
Maintenance tours are scheduled centrally and are downloaded to PDAs. The collected tour data from the PDA is transferred to the same central repository where it is verified and securely stored. The central data repository provides status overview of all objects and maintenance/service activities.

Scheduling of Tasks

Tasks can be scheduled according to requirements or on a regular basis. Recurring and cascading tasks can be generated with the main application and downloaded to PDAs.

Status Monitoring of Facilities

Status of facilities can be effectively monitored with related information about discrepancies, like abnormal readings, warnings, incidents and incompatibilities, etc. This enables preventative maintenance managers to keep a close watch over all the facilities.



Status overview by EquipView®

Equipment History

History of equipment is maintained in the system for inventory control. Any equipment can be analyzed from its initial installation date to the present time, to track when and how it was serviced. Previous tests can be checked to improve planning of future tests. Such capability helps inspectors to trace failures, and make future plans to prevent its reoccurrence. The equipment history gives a quick overview of how often equipment failed or required repairs, so allowing you the possibility to replace it with a better product. Decision makers can analyze history reports to optimize future solutions.

Rental Business Management

EquipMan[®] tracks durations of equipment usage through specialized devices. A number of reports are provided to give information of equipment usage on hourly, daily, and monthly basis.

Investigation of Incidents

After an incident, the maintenance history of specific equipments can be analyzed for a particular period to find out the possible cause

Controlled Inspections & Maintenance activities

PDA application provides precise and detailed instructions to perform tours inspection and maintenance activities. This ensures full compliance to the required standards.

Prompt Responses

In case any abnormal readings are discovered, PDA application alerts the users on site. It enables them to immediately identify

and troubleshoot any problems as well as to generate scheduled and unscheduled task requests on the spot.

Front Line Mobile Work Force

Users equipped with EquipMan[®] can be more efficient and accurate when performing specific tasks. It makes them more versatile and productive than those who perform tasks manually. Often, new users need an overview of unfamiliar checkpoints, machines and equipments, EquipView[®] can help to overcome such situations.

Manage Multiple Services & Customers Centrally

Services like Fire & Safety management and maintenance of facilities can be performed in the same system partitioned into logical services. Service providers can manage maintenance & inspections to cover zones, checkpoints and specific equipment for each of their customers with one centralized system. Inspection and maintenance activities can be scheduled on individual service or customer basis.

Integration into Enterprise Environments

Additional services can be provided to integrate EquipMan[®] into existing systems of enterprises. This can be accomplished through implementation of data transfer interfaces, logical links etc.

Enterprise Specific Enhancements

Enterprise specific requirements can be analyzed and incorporated into EquipMan[®] to further enhance its features. Customizations can be made to optimize the solution for specific needs of customers



EquipMan[®] leads where others will follow...
...A dependable companion for your reliable work force

Value Added Services

Following services are provided:

- Installation of Server, Database & Mobile Application
- System Configuration & Upgrade
- User Training
- Assignment of Facility data
- Setup Equipment catalogues
- Data Import
- Scheduling of maintenance tasks, inspections etc.
- Checkpoint assignments on graphical maps/diagram

EquipMan[®] System Requirements

Database Store

Computer and Processor: Workstation with an Intel Pentium IV, 1 GHz or higher

Memory: 128 megabytes (MB) of RAM (256 MB recommended)

Hard disk: 200 MB of available hard disk space (Actual hard disk usage will vary depending upon amount of data, and graphical maps/drawings stored in the system)

Operating System: Windows 2000 or later, Windows XP or later

Display: Super VGA (800 x 600), (1024 x 768) recommended

Desktop Application

Computer and Processor: Workstation with an Intel Pentium IV, 1 GHz or higher

Memory: 128 megabytes (MB) of RAM (256 MB recommended)

Hard disk: 90 MB of available hard disk space

Operating System: Windows 2000 or later, Windows XP or later

Display: 1024 x 768

PDA Application

Minimum Device Memory: 25 MB

Installation Requirements MS Active Sync

Operating System: Pocket PC 2003 / Windows Mobile

Display: Color display

Barcode Scanner: SD-slot or CF-slot Laser scanner (Add-on)

Equipment Usage Tracker: Hardware sensor with IR communication (Add-on)



For further information concerning presentation & live demo, training, and discounts for customer specific enhancements, please contact:

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Future IT
Innovate & Develop

1 a TCO Total Cost of Ownership
2 a ROI Return On Investment
3 a OSHA Occupational Safety and Health Administration
4 a JCAHO Joint Commission on Accreditation of Healthcare Organization
5 a NFPA National Fire Protection Association