



TECHNICAL SPECIFICATION

SMATS-Pro®

WORKGROUP SERVER REQUIREMENTS

SMATS-Pro® is extremely flexible in the server requirements needed to run the system. The following list is indicative of the requirements:

Operating System:	Windows NT / 2000
Web Server:	IIS or other ASP compliant server
Email	MS Exchange or other SMTP Mail software

CLIENT PC HARDWARE REQUIREMENTS

An IBM compatible PC with hardware that meets or exceeds these minimum requirements:

Processor:	Pentium 200 MHz or faster
RAM:	32 Mb minimum, 64Mb recommended
CD-ROM:	2 x CD-ROM or faster
Free disk space on the installation drive:	50Mb
Video:	SVGA 800x 600, 256 colours
Audio:	Any audio card with speakers if required

CLIENT PC SOFTWARE REQUIREMENTS

The software requirements to run SMATS-Pro® are:

Operating System:	Windows 95 / 98 / NT / 2000 / XP
Browser:	Internet Explorer 5.5 or later
Office Products:	MS-Word 97 / 2000 / XP MS-Excel 97 / 2000 / XP
Other:	Flash Player if flash required

INSTALLATION

Installation is to be performed by an Authorised SMARTsafe® Systems Consultant in joint consultation with the Customer's IT Department.

CUSTOMISATION

SMATS-Pro® can be customised to suit the owner's specific requirements.

The following table shows the SMATS-Pro® components and the software needed to make any changes:

Menu	HTML and ASP
Screen pages	HTML and ASP
Code	Java Script
Mail	ASP-Mail to interface with any SMTP server such as MS-Exchange
Database	Any SQL compliant databases such as MS-Access, Oracle, MS SQL-Server

INSTALLATION PROCESS


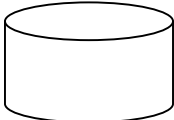

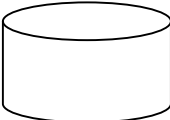
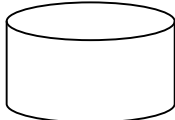
The principles behind SMATS-Pro® are very simple. SMATS-Pro® is an Intranet-based system that uses Internet Explorer to run the Java Script ASP code. The data is stored on a database and data can be exported to Excel spreadsheets.

SMATS-Pro® can also display graphs (charts) and send E-mails.

SMATS-Pro® can easily be converted to run with Oracle or SQL/Server databases or developed to suit the client specific requirements.

SMATS-Pro® Components

The following table shows the major components of SMATS-Pro®. Later on the document explains how to install these components.

Intranet files	SMATS-Pro.mdb Database	Excel Templates	Charts	ASPMail
				
These files contain the Intranet screens and need to be loaded on the Web Server.	This is the master database that keeps: All the SMATS-Pro® records. The reference records that are maintained by the Administrator.	There are two templates: Actions Incidents	SMATS-Pro® uses Web Chart to create and display graphs on the fly. These charts have been pre-configured and are distributed as EXE files. The charts cannot be modified without having a development version of Web Chart.	SMATS-Pro® uses ASPMail to interface the ASP pages with an SMTP mail system such as MS-Outlook.

SMATS-Pro® Technical Overview

This technical overview assumes that the reader has a good understanding of the functions of the system and of how the system works. If not, please refer to the SMATS-Pro® Benefits, Features and How It Works sections on the SMARTsafe® web site.

The system consists of the above-defined components and *links* between these components. The following descriptions explain these links.

The first link is between the Intranet system and the database.

The Intranet system needs to access the database to get and display details of the safety records. The administration tasks, such as maintaining the master lists of Types of Meeting, Types of Audits, Body Parts, etc. are all performed through the Administration section of the system. This link is defined in the connections file.

This file **must** be located in the SMATS-Pro/Include folder of the web server.

Once all the components have been installed and the connSMATS-Pro.asp files have been correctly configured, the system is ready for populating with reference details and records.

The second link is between SMATS-Pro® and WebCharts.

This requires WebCharts to be installed and the connections document (.../Config.asp) on the Web Server to be updated.

The third link is between SMATS-Pro® and the Excel spreadsheets.

Excel is used as a exporting tool. All data within the system can be exported to Excel for use in other systems or reporting.

This requires the Excel spreadsheets to be loaded into a folder and the connections document (.../Config.asp) on the Web Server to be updated. Linking to Excel uses ActiveX and this may need to be configured on each user's version of Internet Explorer. This is explained later in the document.

The fourth link is between SMATS-Pro® and the E-mail system.

This requires ASPMail to be installed and the connections document (.../Config.asp) on the Web Server to be updated.

The File Structure

The structure is totally configurable by the user during the installation process. The following folders are needed:

Intranet Files

- ...\SMATS-Pro®
 - _mmDBScripts
 - Charts
 - Connections
 - Excel Templates (this folder may also be located on the file server)
 - Help

Images
Include
JavaScript
Reports

File Server

\SMATS-Pro®
 ...\Database (to store the SMATS-Pro database)

Installation Process

The installation is to be completed by an authorised SMARTsafe® Systems Consultant in conjunction with client IT personnel.

Pre-requisites

The IT personnel will require Administrator access and knowledge of the Intranet infrastructure.

Installation Steps

The installation process performs the following steps:

- Copies the database to the database folder

- Copies the Intranet browser files to the browser folder

- Update the connSMATS-Pro.asp file to set-up the database location. The settings in this file are used by the Intranet system.

To set-up WebCharts

Create or use existing Script/ShellCGI directory on the webserver of choice. For example, with iPlanet configure the Programs/ShellCGI directory.

Copy *.wct files and webchart.* into the web server's set Script/ShellCGI directory.

Open webchart.cfg

Edit to reflect new path.

Open /Include/Config.asp

Edit vChartURL to reflect new URL.

To set-up Excel Templates

Open on the web server /Include/Config.asp

Edit the Excel settings to reflect the new path.

Clients may need to edit IE settings to activate ActiveX scripting as per the following instructions:

- Check the Enable or Prompt for 'Initialise and script ActiveX controls not marked as safe'

- Do the same for the Local Intranet as you did for the Internet.

The choice of Enable or Prompt depends on how secure you want your client machines. I'd suggest the Prompt option, as it will ask the client's permission first before running any ActiveX script.



To set-up the use of E-mail

Configure the settings by opening the Web Server file /Include/Config.asp. Edit Email details to reflect new mail server and admin email address and install ASPMail as follows:

Source File : ASPMail.zip

To use this ASP component move/unzip the DLL into the *system* subdirectory (such as \winnt\system32 for NT or \windows\system for Win95). Please use the version of regsvr32 that is included with this component or the version that comes with Microsoft ASP.

To register the component on the system change to the directory where you installed the DLL and type: regsvr32 smtpsvg.dll

Make sure your TMP or TEMP environment variable is set up as a system variable if you are running WinNT. To do it manually, you can follow these instructions:

