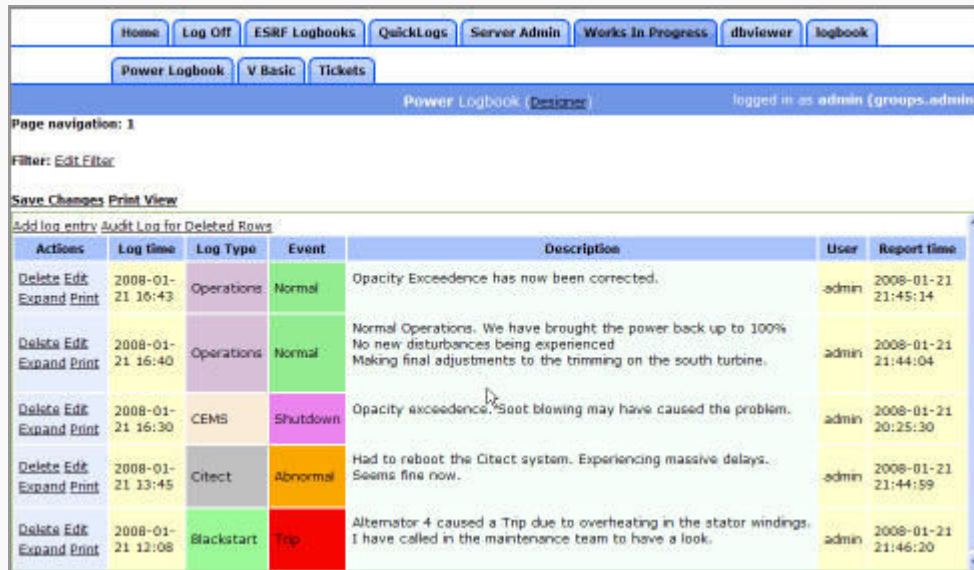


## j5LogBook

The j5Logbook is a **corporate wide electronic logbook designed for Industrial Operating Conditions.**

The j5Logbook replaces the paper-based logbook that is typically situated in most control rooms or technical and maintenance workshops.



Actions	Log time	Log Type	Event	Description	User	Report time
Delete Edit Expand Print	2008-01-21 16:43	Operations	Normal	Opacity Exceedence has now been corrected.	admin	2008-01-21 21:45:14
Delete Edit Expand Print	2008-01-21 16:40	Operations	Normal	Normal Operations. We have brought the power back up to 100% No new disturbances being experienced Making final adjustments to the trimming on the south turbine.	admin	2008-01-21 21:44:04
Delete Edit Expand Print	2008-01-21 16:30	CEMS	Shutdown	Opacity exceedence. Soot blowing may have caused the problem.	admin	2008-01-21 20:25:30
Delete Edit Expand Print	2008-01-21 13:45	Citect	Abnormal	Had to reboot the Citect system. Experiencing massive delays. Seems fine now.	admin	2008-01-21 21:44:59
Delete Edit Expand Print	2008-01-21 12:08	Blackstart	Trip	Alternator 4 caused a Trip due to overheating in the stator windings. I have called in the maintenance team to have a look.	admin	2008-01-21 21:46:20

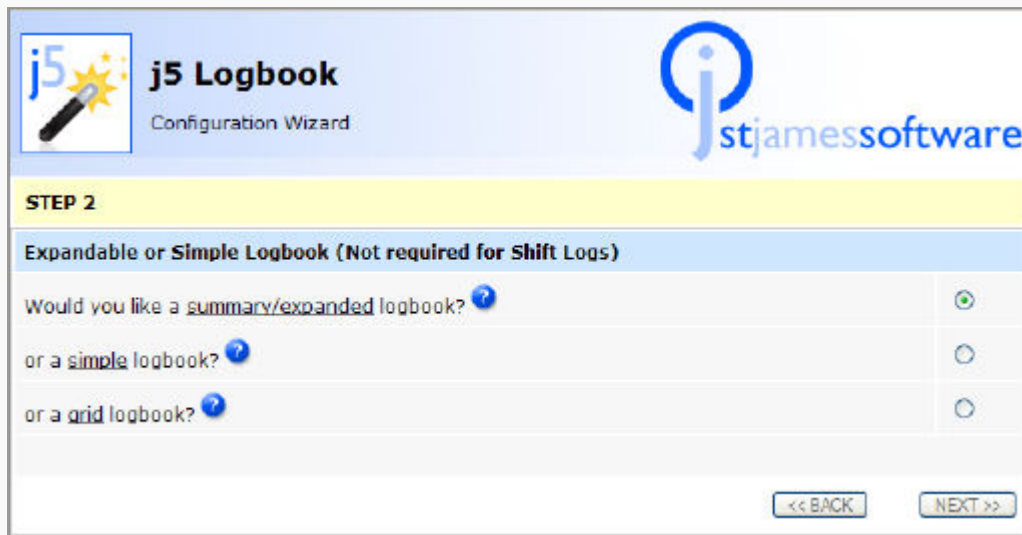
- **Easy to start: Easy to change**

The j5Logbook package comes with a standard set up so that you can immediately implement it on your site with a minimum of effort. However, as you become familiar with the concepts of electronic logs, you will probably want to customize the application to your specific needs. This is a simple fill-in-the-blanks process that enables you to customize not only the look and feel of the Logbook but also the structure.

- **Use the in-built wizard to quickly create new logbooks**

A new logbook to cover a new area, function or facility can be created by answering simple questions in a 6 step Wizard. Once created, you can go back to the Wizard to make fine tuning adjustments.

New Logbooks can also be cloned from existing logbooks which further simplifies the configuration process.



- **Change the Look and Feel of your LogBook**

Just change any of the presentation parameters and you will see the immediate effect of your changes. There are on-line tool tips for each of the categories to help you make the choices. There are over 50 different parameters that you can choose from to vary the presentation of the layout from window sizes to font sizes to color codes to the order in which the records appear etc. All of these changes can be achieved through a simple fill-in-the-blanks form without having to do any graphical design. Most of the entries are available as options in pull-down combos. If you want to fine tune the presentation, for example, add some special formatting, you can edit the template directly. (It is in standard html format). This gives you the ability to add special properties and layouts and really make the logbook your own.

- **Add your own site-specific fields**

You can add your own fields that are specific to your business. Just go into the configuration, click on the new field button and enter the name and format of the new field. The system will take care of all the underlying database transactions for you. You can now fine-tune the characteristics of the new field such as the presentation of the field and what valid options there are for that field.

- **Attach any file to the Log Entries**

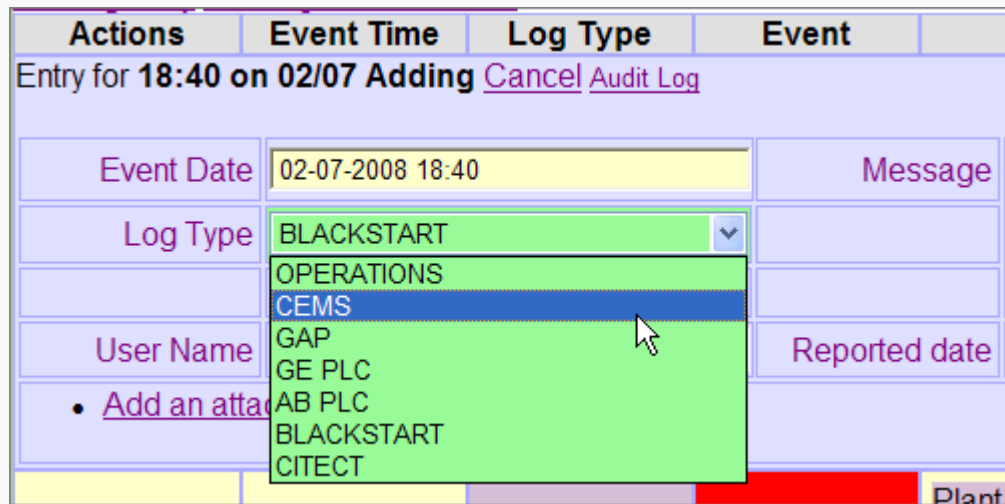
You can attach files of virtually any format to the Log Entries. (E.g. graphic files, Word or Excel files, Schedules, PowerPoint files, PDF files etc.) When the user clicks on the Attachment link, the application (e.g. Word) is started on his or her system and the information is immediately made available. This makes it easy to understand the context in which the log was made.

- **j5LogBook will automatically fill in the standard fields**

Your users do not have to fill in many of the standard fields like the time and date, console, shift number, and their user name. All these fields are filled in automatically by j5LogBook. Additionally, the system will not allow the users to enter data outside of their assigned areas and will only give them the choice of options that are in fact valid for their areas.

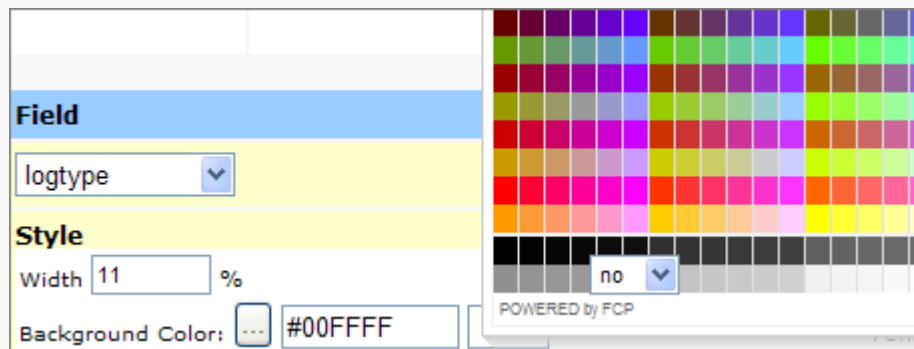
- **Choose the valid options for your fields**

You can specify the valid options for each of the fields. For example, for the priority field, you may specify the priorities 1 (emergency), 2 (warning) and 3 (standard). When the operator is adding a new log, these options are made available to him or her in a combo box. They are also made available when you want to filter the logs to find some specific information.



- **Associate the options of each category with different color and style codes**

To help your users easily identify the specific codes, you can assign colors and styles to these codes. For example, you can assign specific colors to the priority of the log, red for emergency, yellow for danger, etc. Likewise, you can assign colors to the different areas of the process, or colors to the different shifts. It then becomes clear for example when there is a shift changeover.



- **Powerful yet cost effective**

The pricing is based on the number of user sessions that are simultaneously active. For a site with say 100 people, you could purchase 5 or 10 concurrent licenses and make these available to all 100 users. You may also purchase packs of Logbooks if you want to extend your system. You can get a pricelist by [clicking here](#).

- **Add additional Sessions at any stage**

To add more concurrent sessions, you simply order and pay for the new session licenses and we send you an updated license key. The software already on your system will recognize the new license and activate the new sessions for you.

- **Each seat can have multiple users**

You can have as many users as you like on a given seat or viewing station. For example, if you have a system in the control room, you could have 5 different users for that one seat. Each user can have different personalities depending on their position in the organization.

- **Control who looks at j5LogBook and what they can see**

You can decide who looks at j5LogBook and exactly what they see. For example, you may want one user to be able to see everything on one site but only be able to enter information in the utilities area. You can also make users reenter their passwords when they add information. If you like, you can make the system automatically log off a user at the end of a shift or when they have been logged on for a certain length of time.

- **j5 maintains an easily accessible Audit Log**

The j5 system keeps a track off all the changes made to a log. Anyone can click on the Audit Log link on any log and immediately view all the changes made.

Entry for 16:40 on 01/21 [Delete](#) [Edit](#) [Contract](#) [Print](#) [Hide](#) [Audit Log](#)

Time	User	Action	Message	logid	reportdatetime	description	logdatetime	j5username	logtype	event
2008-01-21 21:44:04	admin	Edit		ID1200926402703000682911	2008-01-21 21:44:04	Normal Operations. We have brought the power back up to 100% No new disturbances being experienced Making final adjustments to the trimming on the south turbine.	2008-01-21 16:40:00	admin	Operations	Normal
2008-01-21 16:43:10	admin	Edit		ID1200926402703000682911	2008-01-21 16:43:10	A new check on the Power Presentation. Appears to be shifted.	2008-01-21 16:40:00	admin	Operations	Normal
2008-01-21 16:40:22	admin	Add		ID1200926402703000682911	2008-01-21 16:40:22	A new check on the Power Presentation	2008-01-21 16:40:00	admin	Operations	Normal

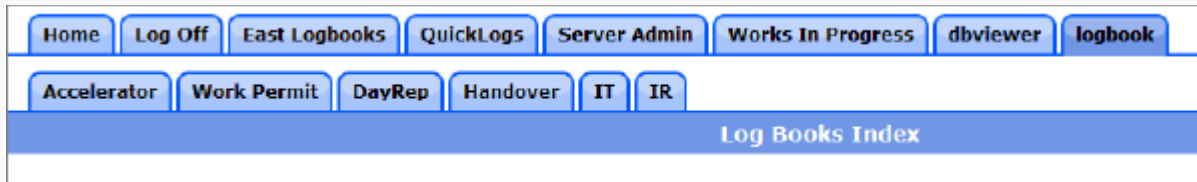
Logdatetime	2008-01-21 16:40	Comment	Normal Operations. We have brought the power back up to 100% No new disturbances being experienced Making final adjustments to the trimming on the south turbine.
Logtype	Operations		
Event	Normal		

- **j5 supports LDAP Authentication**

If you have an LDAP system, j5 will connect to this so your corporate security processes are automatically adhered to without you having to configure anything at all.

- **j5 supports multiple logbooks**

You can add new logbooks as and when they are needed. Once your operations logbook is installed, you may need a maintenance logbook or a shift report or a Work Order Logbook etc. There is no limit (based on your license) to the number of logbooks that the j5 system will support. The j5 system will automatically generate the tabs (in an organized hierarchical fashion) so that your users can navigate easily to the logbook of interest.



- **On-line Help**

A comprehensive easy to use on-line help system is available from the j5LogBook. Browse through the system or go directly to a specific key word. There is also a tutorial that will help you get started. To make life even easier, there are many [Screen casts](#) which will show you how to do each task that you want to carry out.

- **Connect multiple control rooms across multiple sites**

There is no limit to the number of control rooms you can have. In fact any of the users can enter information into the logbook if necessary. For example, let's say that the maintenance manager who is working in his office wants to make a log based on the availability of personnel after hours. He can do this directly into his desktop computer without having to go into the control room to enter the data.

- **Choose your Database**

Your j5LogBook will connect to any of the following databases: **Oracle, SQL Server, MySQL, Postgres or Microsoft Access**. Because all your data is stored in a standard database, you can access it with any of your favorite utilities such as Crystal Reports, Microsoft Excel, or the utilities that come with the database itself. Alternatively, you are welcome to download our free jWorkBook utility which gives you direct access to the database and the facility to create our own custom reports in the spreadsheet. For databases other than Oracle, SQL Server, MySQL, Postgres or Microsoft Access, please contact us at [info@sjsoft.com](mailto:info@sjsoft.com) .

- **Internet Access**

Provided you have a Network connection (either Internet or Direct Connect or via modem) you can access the information. The j5LogBook package produces a standard html output which can be viewed using any standard browser like Firefox or Internet Explorer. The logs are presented in tabular form and are updated as soon as a log is added anywhere in the system.

- **Your Operators will find it easy to use**

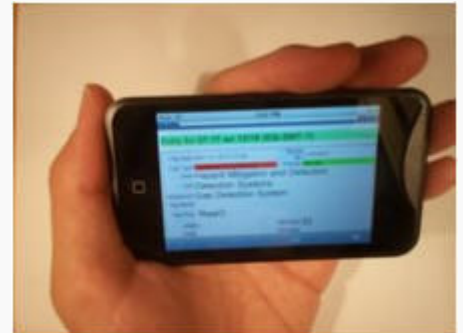
In our experience, operators do not have any problem in using the logbook. In fact, they quickly see the benefit of the logbook and are some of our most avid users. Why? Because it makes their lives easier! No longer do they have to receive phone calls from numerous parts of the plant asking for information and they can see the upstream and downstream processes without having to get on the phone themselves.

Additionally, many of the features of j5LogBook make it easy for operators to enter logs. For example, the time and date, user names, shift names and default values are added automatically by the system. Additionally, instead of having to enter fields manually, the user can pick many of the items from a list.

Finally, the operators soon realize that the Logbook is an excellent vehicle for them to show their professionalism.

- **Use a PDA or the iPod to enter Field Information**

You can get logbook information while on site away from your desk using an iPod or iPhone. Likewise, your field operators or inspectors can enter data directly into the iPod while moving around the site. Emergency personnel too can get up to the second information on the current plant status without having to return to their desks.



- **Store as much data as you want**

There is no software limit to the number of records that can be stored or the number of days of data that can be stored.

- **Find the data easily and quickly**

Finding information is easy, just click on the Filter Button and type in the word or keyword you are looking for and the grid will show all the logs that match your specification. If you type in two criteria for different columns, then the log will show only those records that match both criteria.

There is also a "Google like" search facility which will search for keywords in all the columns of the database.

You can also use the in-built calendar to look for information within a certain time frame. (For example, find all the logs with the word opacity that occurred last month.)

**Editing Filter:** [Apply](#) [Clear Filter](#) [Close](#)

- Search string:
- Date field:  ▾
- Date start:
- Date end:

[Save Changes Pr](#)

[Add log entry Aud](#)

		January, 2008									
		<<	<	Today	>	>>					
wk	Sun	Mon	Tue	Wed	Thu	Fri	Sat				
52			1	2	3	4	5				
1	6	7	8	9	10	11	12				
2	13	14	15	16	17	18	19				
3	20	21	22	23	24	25	26				
4	27	28	29	30	31						
Time:		17 : 55									
		Select date									
		2008-01-21 16:43		Operations							

Event	
Abnormal	Getting a Checking
Normal	Opacity

[Delete Edit](#)  
[Expand Print](#)

[Delete Edit](#)  
[Expand Print](#)

- **Set your time window**

You can configure how far each user can look back when they first log on. For example, an operator will probably only be interested in the last day of information. Of course if they are interested, they can extend this information to view more information or choose a week of information say 3 months ago.

- **Export the logs to Excel or any other MS Package**

Since the data is in a standard database structure, you can use any of the normal tools to export the data. For example, if you have chosen Access as your database, you can get the information directly into an Excel spreadsheet by simply pointing to the Log table. Alternatively, download our free Excel Add-in jWorkbook. There are already examples in the tutorial that comes with the package to get you started in customizing your queries on the j5LogBook database.

- **Email specific logs to nominated stake-holders as they are entered (or modified) in the Logbook**

You can set up the system so that it will email nominate logs of interest to specific people as soon as a log is entered or modified. For example, you could specify that information on any logs that have a high priority in a selected area should result in an email to the supervisor of that area.

- **Control the editing of past logs**

Your operators may modify the records they have entered provided they make the changes within a 5-minute window of their data entry. If this five minute window (which is configurable) is exceeded, then the operators may not change the records they have entered.

- **Try out j5LogBook now**

You can try out j5LogBook immediately by [clicking here](#). (This is a full LogBook system that has had the Adding and Modification facilities removed for use on the open web.) Alternatively, you can download a version and test it (or tailor it to your requirements) on your own computer. To get the full download, just send a message to our system by [clicking here](#).

- **Integrate your logs with historical data**

You can populate the Logbook fields with **Real-Time data from any OPC source** using the in-built data reactor module. This module can be scheduled to add data to the logbook at the end of the shift for example. If required, the data reactor can store real-time values, averages, maximums or minimums.

- **Schedule your reports to be printed out in Excel Format**

You can also create Excel Reports with information from both the Manually entered data and the real-time data. These Excel reports can be populated, and then scheduled for printout and, if required emailed to a list of end users. This functionality meets the requirement of most Federal and State Authorities.

Date	KPI 1					
	Raw		Applied		Finished	
	2H	Avg	2H	Avg	2H	Avg
1/5/2008	158.50	293.50	43.50	308.50	293.50	231.00
1/6/2008	148.50	171.00	31.00	121.00	171.00	191.00
1/7/2008	8.50	71.00	91.00	128.50	71.00	128.50
1/8/2008	101.00	53.50	183.50	43.50	53.50	173.50
1/9/2008	83.50	196.00	206.00	56.00	196.00	246.00
1/10/2008	298.50	163.50	303.50	28.50	163.50	221.00

- **Your current system will probably run j5LogBook without changes**

j5LogBook comes in two versions, a St James Software Web based version and an **Apache** Server version. We recommend the St James Software Web Server version for systems requiring less than 30 concurrent users. For more than 30 users, (we have systems with several hundred concurrent users), we recommend the Apache server. Once the system is installed, any user on your network that has a web browser has access to the system.

- **Use a Standard Windows server or use an Open Source Linux Platform**

The server will run on **Windows or Linux** operating systems.

Likewise, the clients may use any system that supports **Internet Explorer 6 or Firefox** or (shortly Safari) web Browsers. No additional software needs to be loaded on the client machines.

- **Automatically add logs from other application**

Since the database is an open database, you can set up your application to add the logs into the j5LogBook tables. Of course, you would need to have ensured that the application formats the information correctly so that the data is consistent with the requirements of the columns etc. Once this is done however, the "automatically entered" logs will appear alongside the normal operator logs.

Alternatively, you can use our **SOAP or RPC interface** which will ensure that the business rules are adhered to before a log is added to the system.

- **Choose a Logbook from the j5 Suite of Off the Shelf Applications.**

There are various pre-configured j5LogBooks in the j5LogBook Suite. **j5HandoverBook** manages the hand over reports between shifts. **j5OrderBook** specifically addresses the orders issued from the control room to field operators. **j5KnowledgeBook** provides easy access to the Knowledge on a site. **j5InspectionRounds** can be used to manage the process of field operators that perform scheduled checks in the process. Various other applications too address the various common requirements of industrial sites. The j5LogBook Suite has many other applications from which you can choose from. Please [feel free to contact us](#) if you have a specific requirement.

- **Where to from here?**

We recommend as a starting point, you [try out our on-line Demo](#). You can also get more information by clicking on the Help Link in the toolbar.

We would recommend you try out our prototyping service. Just send us a rough specification of what you are looking for, and, at no charge, we will set up a logbook to these specifications on the web for you to trial. [There is a white paper that](#) provides more information on this facility.

If you would like more information about us and all our products, have a look at [our home page](#). There are also various technical papers on electronic Logbooks.

Alternatively, you can download the fully functional version which will function for a 30 day trial period. Of course, if you would like more specific answers, we would love to hear from you. You can email us or call us directly on our USA number **1 713 893 7152**.

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