AdvancedReportV2
Version 2

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INDEX:

1. Introduction 4
2. Revision 5
3. System Requirements 6
   3.1 Hardware 6
   3.2 Software 7
   3.3 Prerequirement 7
   3.4 Operating System 7
   3.5 Additional Software 7
4. Download 8
5. Software Function 8
6. AdvancedReport: Start the program 9
7. Configuration of the Report 10
   7.1 Button 10
      7.1.1 Add/Delete Button 10
      7.1.2 Button Save/Undo 10
      7.1.3 Print / Print Preview Project configuration 11
   7.2 Project Active Checkbox 12
   7.3 Folder 12
   7.4 Source file handling modes 13
   7.5 Attitudes file format 14
      7.5.1 Export format 14
      7.5.2 Excel Macro 16
      7.5.3 Use Excel Template and Excel VBS Macro within the service 16
      7.5.4 Protect each sheet 18
      7.5.5 Name of the export file with the following possibilities 18
      7.5.1 Excel Limit 19
   7.6 Attitudes of alarms/messages 20
      7.6.1 Defined starting line and starting column in the Excel file 20
      7.6.2 Selected channels define 20
      7.6.3 Selected period 20
      7.6.4 Further information into the export file insert 20
   7.7 DXP Audit Trail 21
      7.7.1 Signature Data DXP 21
      7.7.2 Graphic data 21
   7.8 Printer Settings 22
      7.8.1 First printer 22
      7.8.2 Second printer 22
   7.9 More Settings 23
      7.9.1 Freely defined entries 23
      7.9.2 Delete Files after x days 23
   7.10 Attitudes automatic conversion 24
8. Attitudes manual conversion 27
9. Starting parameter 28

10. Attitudes automatic conversion 29

11. Program Settings 30
11.1 License 30
11.1.1 Serial number 30
11.1.2 Name 30
11.2 Language change-over 31
11.2.1 New language file provide 31
11.3 Program protection 31
11.4 Service settings 31
11.5 Logging /Backup and Restor Settings 34
12. Create Excel template 35
12.1 Create template 37
12.2 Cell Definition 39
12.2.1 The Cell Name format 39
12.3 Add user defined VBA Makro 42
12.4 How to Check, Change or Delete the Cell Name in Excel? 42
12.5 Template Creator is not available 44
13. Run Program as NT- Service 46
13.1 Installation 46
13.1 Deinstallation 47
14. AdvRptEnable Software to Enable/Disable a Report 48
15. Error handling 49
15.1 Solve Problem by yourself 49
15.2 Software AdvancedReport 49
15.3 Software Template Creator Excel Addin 50
15.3.1 Check out “COM Add-Ins” dialog in Excel 50
15.4 Excel Template and running as Service (DCOM COMException (0x80080005) 54
15.5 Microsoft KB articles on general Excel troubleshooting 58
16. Appendix 60
16.1 Reporting Deactivation and activation 60

1. Introduction

The program AdvancedReport performs automatic conversion of the data files and the event files of the Yokogawa recorder from the Smartdac GX, GP, DX, DXP, FX, DXAdvanced and MV1000 family.
By the users own configurations it is possible to select the export file between the formats ASCII [csv] and Microsoft Excel freely. Additionally, it is possible to use an Excel-template. If the Excel template is not used, it is not necessary to install Excel on the computer.

A further advantage is in the user-defined designation of the export file. Batch data, starting times and further characteristics for the automatic file designation can be used.

For an effective conversion it is possible to activate the times of the function at different intervals.

A condition for these functions is the presence of the data files, display data files and/or display event files in a folder on the Windows PC. Using the ftp client function of the Yokogawa recorders, it is possible to store the files on the PC. For further information please read operating instructions of the recorder.

For updates and changes about the program, please read the info file stored in the installation folder or contact your Yokogawa sales team.

Note:
Please read this manual to find solutions!

2. Revision

Date	Version	Reason
06.2013	1	First creating
11.2013	2	Update Recorder list
01.2014	3	Update Function, Recorder list and Documentation
02.2014	4	Update Documentation
08.2016	5	Update Service Documentation
12.2016	6	Update Settings chapter
04.2017	7	Update Settings chapter
06.2017	8	Update Excel Template without Excel
09.2017	9	Update SmartDac Firmware R4 / Windows 10
02.2018	10	Update Service Installation Routine
03.2018	11	Update “Protect each sheet” Update Print Configuration Update Documentation
12.2018	12	Add Folder Structure definition Update supported Recorder list Update Download Chapter
08.2019	13	Add Multi Threading instance for Service. Add Service Status Window
12.2019	14	Add Cell Name Format for Excel Template Change Excel Template implementation
01.2020	15	Change Excel Settings Add Application AdvRptEnable.exe
07.2020	16	Add manual conversion Show Detail Option

3. System Requirements

3.1 Hardware

For the documentation of the test, a paperless Data recorder is required. The Data recorders listed below are supported by the Add in:

Recorder	File extension	Data type
GX10 / GP10 / GX20 / GP20 / GM10 [without & with /AS Pharma Option] www.smartdac.com	.GDS .GEV	Display Data Event Data
DX1000 / DX1000N / DX2000 [DXAdvanced] www.DAQStation.com	.DAD .DAE	Display Data Event Data
DX1000 / DX2000 [with /AS1 Pharma Option]	.DSD .DSE	Display Data Event Data
DX100 / DX200	.DDS .DEV	Display Data Event Data
FX1000	.DAD .DAE	Display Data Event Data
MV1000 / MV2000 [MVAdvanced]	.DAD .DAE	Display Data Event Data
FX100	.DDS .DEV	Display Data Event Data
DX100P / DX200P Pharma-Ausführung	.DBD .DBE	Display Data Event Data
MW100 / MX100	.MXD .MXC	Data Combine Data
DL850	.WDF	Data files

For the analysis using a PC, the following minimum hardware requirements must be met.

- Hard disk capacity: 30 MB
- Memory: 4GB

3.2 Software

The program AdvancedReport Version 2 is Windows based and requires therefore a Windows Operating System.

3.3 Prerequirement

- Windows .Net Framework 4 Full installation (is checked by setup)
  - http://www.microsoft.com/en-us/download/details.aspx?id=17718
- Microsoft OFFICE .NET Framework (VSTO) installation (is checked by setup)
  - http://www.microsoft.com/en-us/download/details.aspx?id=35594

3.4 Operating System

The program has been tested on the following platforms[1]:

- Windows 7 [32bit]
- Windows 7 [64bit]
- Windows 8 [64bit]
- Windows 10 [32bit]
- Windows 10 [64bit]
- Windows Server 2008
- Windows Server 2012
- Windows Server 2012R2
- Windows Server 2016

3.5 Additional Software

For using an Excel Template check the following requirements:

- Export only → Microsoft Excel is NOT required.
- Chart / Trend function → Microsoft Excel is NOT required.
- Print function → Microsoft Excel is required.
- VBA function → Microsoft Excel is required.

For using the Template Creator the following Microsoft Excel Version is necessary:

- Microsoft Excel 2010 [32Bit]
- Microsoft Excel 2013 [32Bit]
- Microsoft Excel 2016 [32Bit]
- Microsoft Excel 365 [32Bit]

For creating the Report, there is also an older or newer installed version possible.

[1] Microsoft Windows and Excel are a registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries

4. Download

Load the latest version of our solution from the following web Page:

http://www.AdvancedTools.de

Check there for “Version 2” and “AdvancedReport Version 2”.

5. Software Function

The software will be creating automatically a report from all supported data files into an Excel Base file or a Text base file.

Check the following diagram to find out the function of the software.

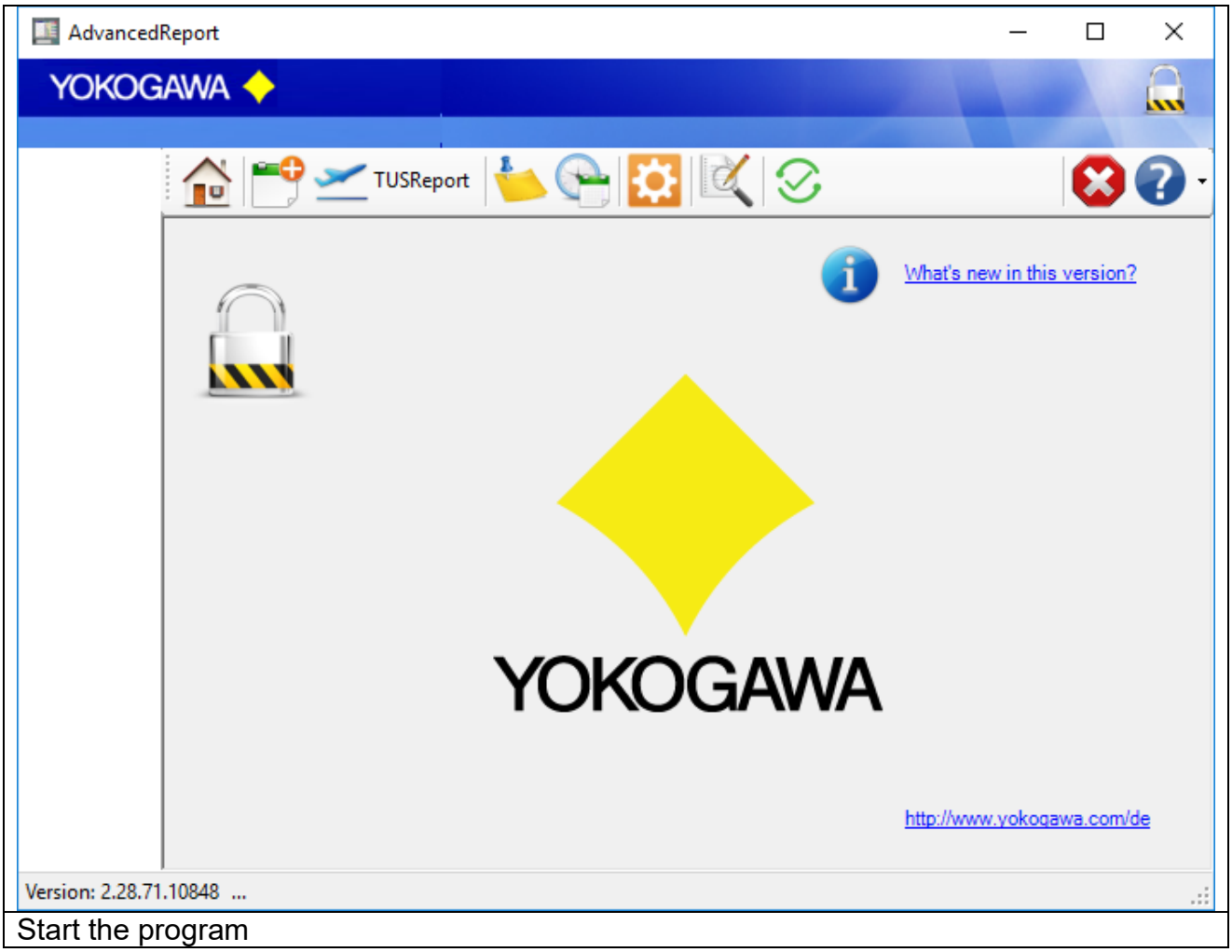
Recorder → PC FTP Server → one folder / folder structure (Subfolder) → generate Report into folder (Subfolder) → move data file into folder (Subfolder)

6. AdvancedReport: Start the program

The program starts in the illustration that follows.
The window consists of two parts. The left part consists of the navigation bar with the menu options:

- Home/Main
- Configuration of the report(s)
- Create TUSReport (separate license)
- Manual conversion
- Automatic conversion
- Program settings
- Event Report and Error Handling
- Service Status Window
- Close Program
- Information

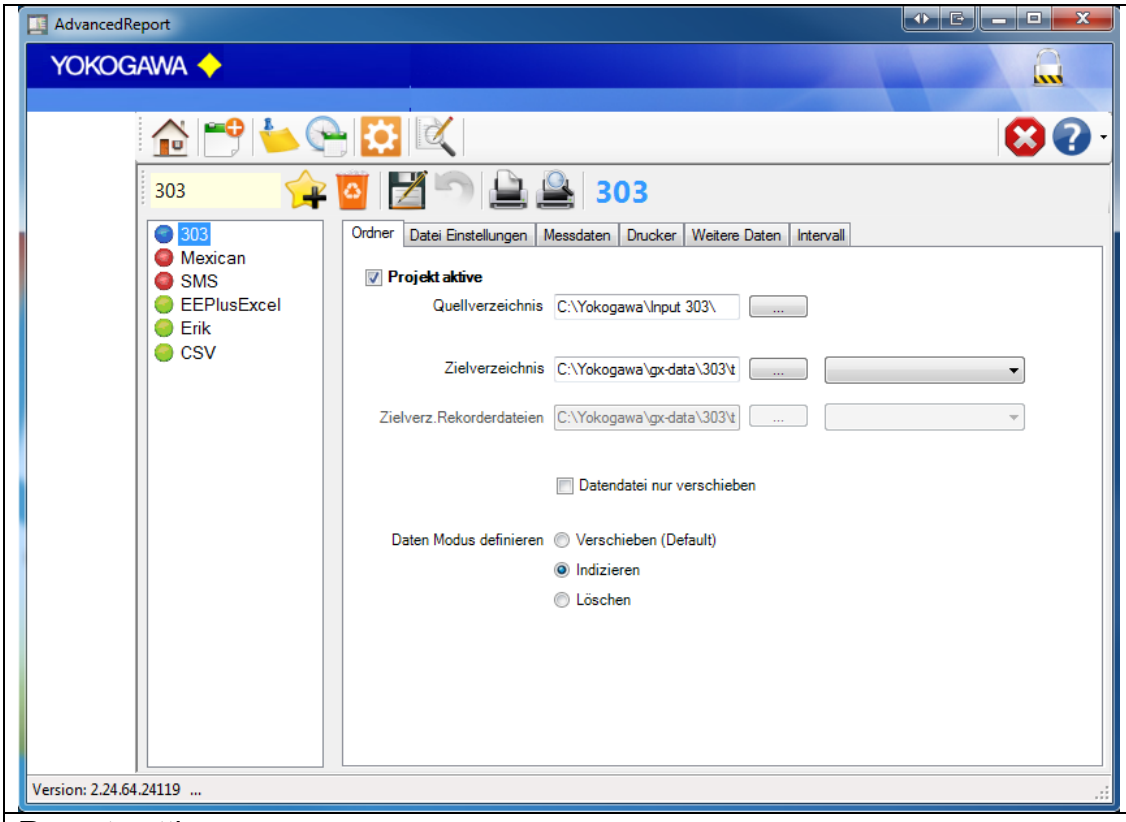
The appropriate dialogues are indicated in the right part. The explanations to the individual adjustment possibilities are specified on the following pages.



Start the program

7. Configuration of the Report

On the register sheet “program settings” the following settings are made:



Report settings

7.1 Button

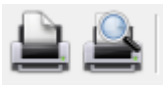
7.1.1 Add/Delete Button

With this Version it is possible to add more than one Report. With this Button it can be add or delete the report. More than one Report is only available with the Multi Batch Option.

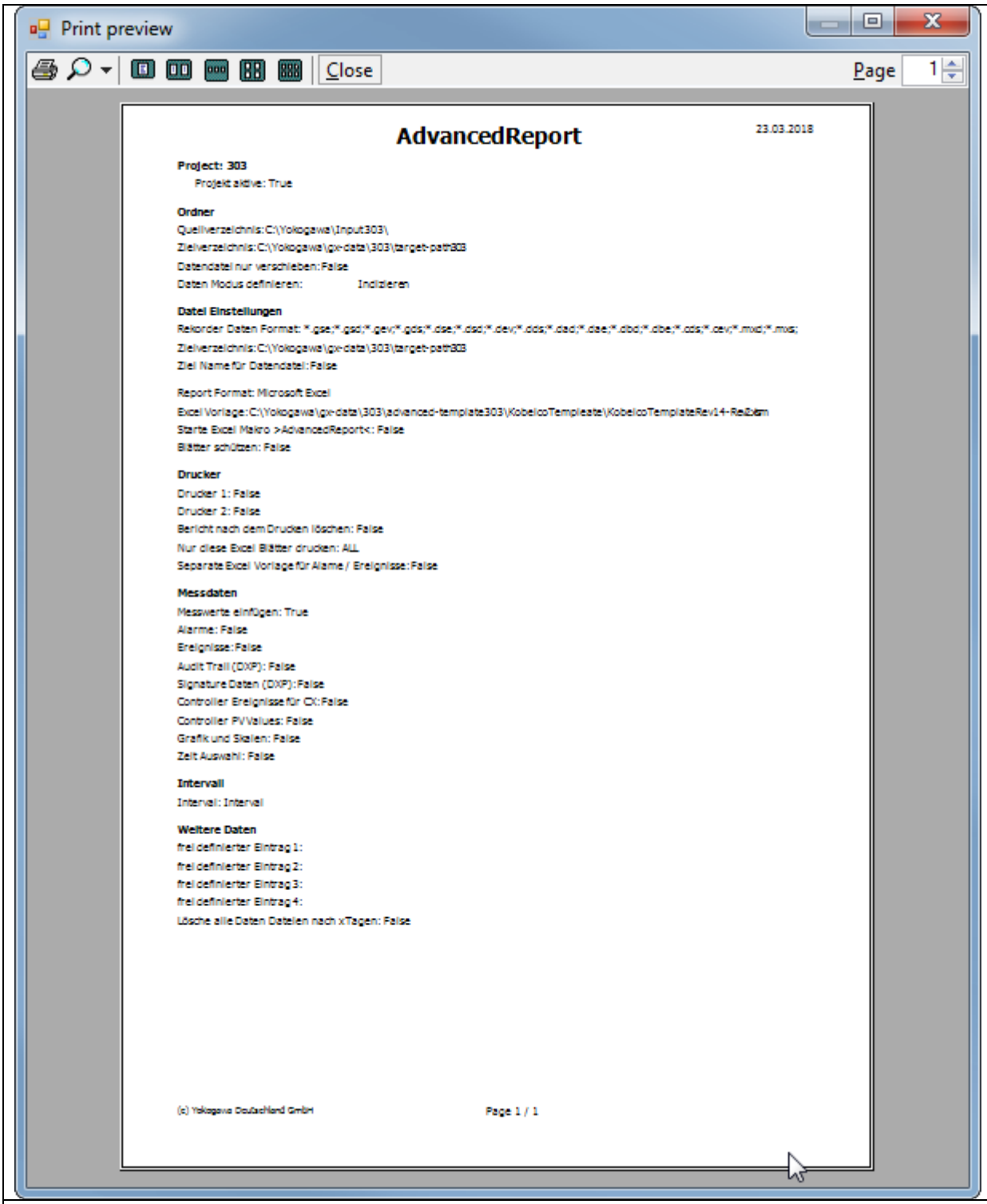
7.1.2 Button Save/Undo

After all changes at the configuration the attitudes over the Button “save” in the file AdvancedReport.ini must be deposited.
With the Button “undo” can be indicated the last stored attitudes again.

7.1.3 Print / Print Preview Project configuration



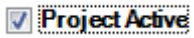
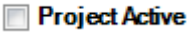
Print the configuration on one sheet.



Print Preview

7.2 Project Active Checkbox

To activate or deactivate a Project, check ore uncheck this checkbox.
An active Project will be mark with a Green Dot at the Project list.

		Active Project
		Deactivate Project
		Selected Project

If a project deactivate, the auto scan routine will be ignore this project. Only a manual conversion is possible.

7.3 Folder

The “source folder” defines the place on the hard disk, where the recorder files are stored.
The “target folder” marks the place, in which the report files are stored.
The “target folder original files” marks the place, in which the original binary source files are stored. Additionally, the “target folder” and the “target folder original files” can be the same.

All subfolders in the “source folder” are scanned. If appropriate files in a subfolder are found, all of the files are exported into the same target folder structure.

The listings can be found easily n the computer by hitting the button right beside the input field.

With the Button “$x” it is possible to set user specific name with the following individual elements

Element name	Configuration
Original file name	$O
Batch name	$B
Serial number	$S
Los number (batch)	$L
Day	$DD
Month	$MM
Year (two digit)	$YY
Year (four digit)	$YYYY
Hour	$HH
Minute	$mm
Second	$SS
serial-number/year of the file	$C
1. Group name	$1
2. Group name	$2

3. Group name	$3
4. Group name	$4
1. Batch comment	$C1
2. Batch comment	$C2
3. Batch comment	$C3

The file name can be individually arranged by joining the individual elements. Also firm indication can be inserted. Please you pay attention to use only windows conformer indications for the name designation.

NOTE:
The “source folder” and “target folder” may not be identical!

7.4 Source file handling modes

It is possible to go around the entire conversion and only shift the data files. During the shift renaming of the files is likewise possible.

It is possible to set a handling mode for the source files.
There are three possible modes:

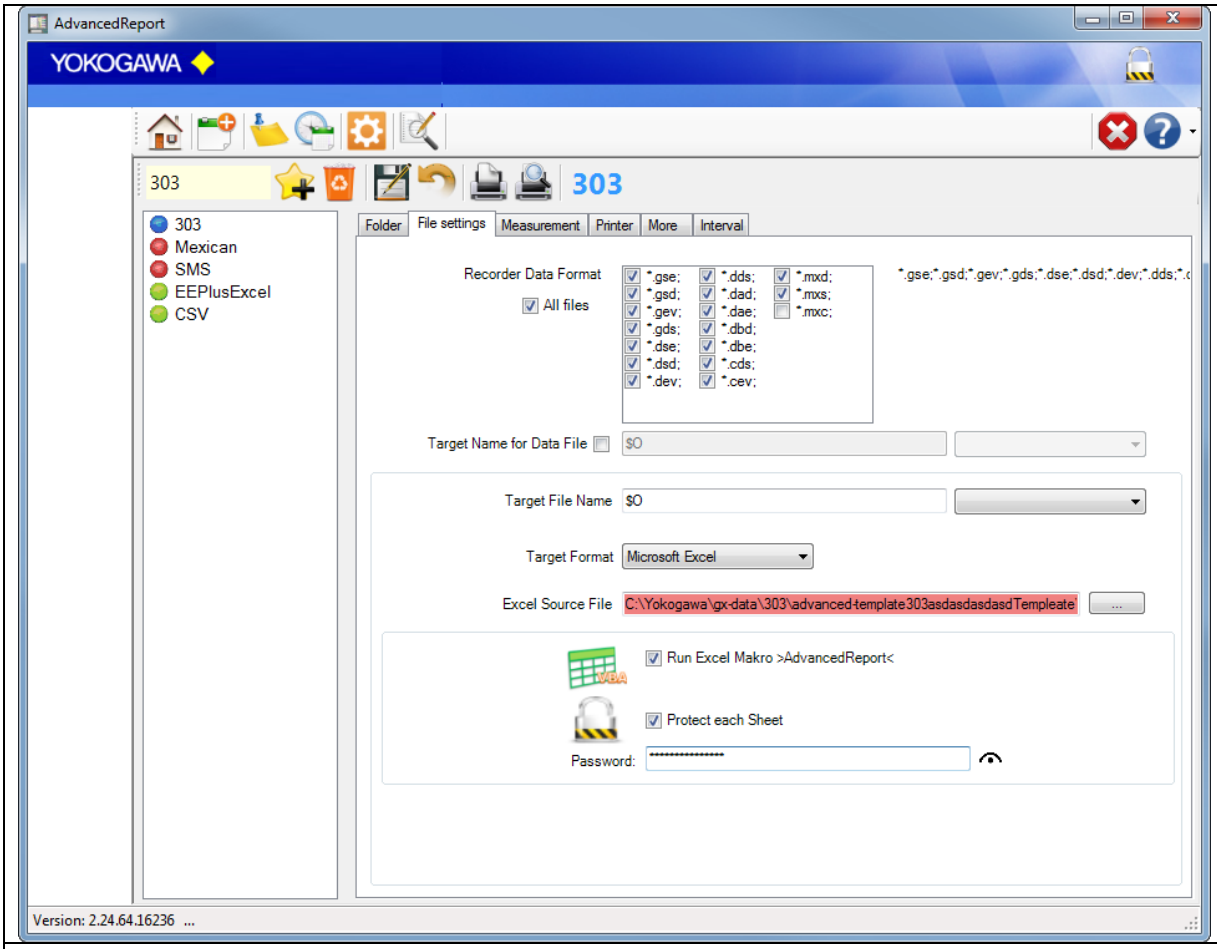
1. Move source file: This mode moves the reported source file into the target folder for binary files.

2. Delete source file: This mode deletes the source file after the report file is created. The file is not deleted into the Recycle Bin!!!

3. Indicates source file: This mode adds the filename after the report file is created into a text file. The file is not moved into another folder. To report the file a second time, the manual mode must be used.

7.5 Attitudes file format

On register sheet “file format” the following attitudes are made:



File format

7.5.1 Export format

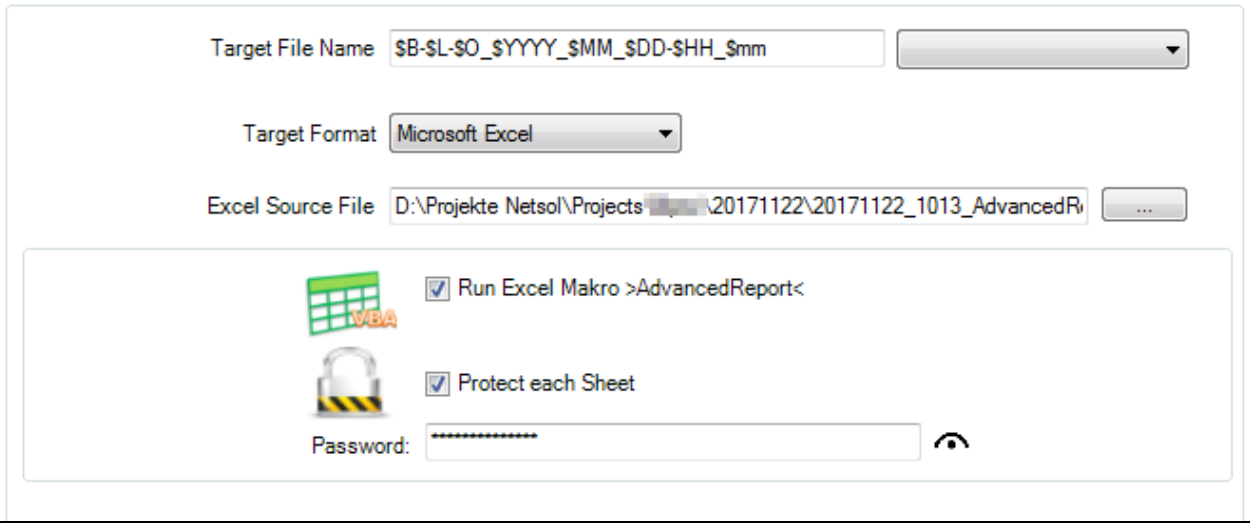
- Table-oriented ASCII format

The files are converted into the CSV format. As separators the indications settings on the computer are used.

Text Base CSV Format

- **Excel Format with collecting template file**

The file and the memory place must be defined in the line Excel template. In the collecting template file it is possible; already further analysis to deposit diagrams and statistics data. If no file is indicated, a new empty Excel file is provided.



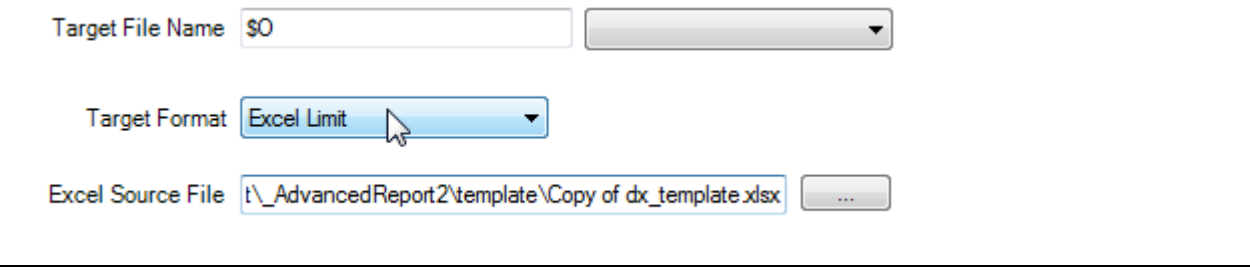
Full supported Microsoft Excel

Note:

1. This function is slower due to co-operation with Excel.
2. For this function Ms-Excel on the computer IS necessary.
3. Ms-Excel up to Version 2003 administers maximally 65535 lines. This restriction can lead with files with many measuring points to problems. Use a temporal delimitation if necessary.

- **Excel Format with collecting template file (EXCEL LIMIT)**

The file and the memory place must be defined in the line Excel template. In the collecting template file it is necessary; already further analysis to deposit diagrams and statistics data.



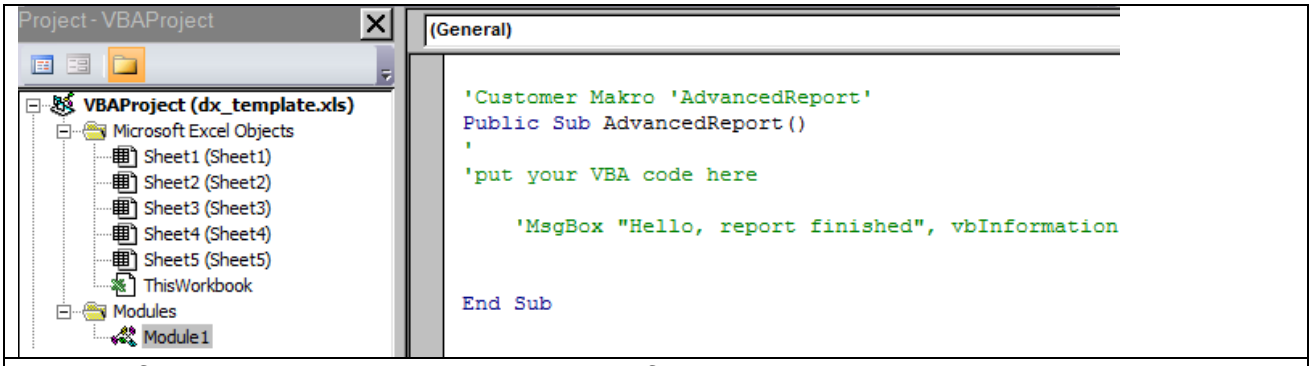
Limit Excel Template; only Excel 2017 and 2010 Format with Extension *.xlsx allowed!

Note:

This function is has limited Microsoft Excel support.

7.5.2 Excel Macro

After checking the Checkbox a VBA Macro will be run at the end of the report. The Name of the makro is '**AdvancedReport'**.



User defined Macro. Find in VBA Editor of Excel (Excel Hotkey: ALT + F11)

7.5.3 Use Excel Template and Excel VBS Macro within the service

To convert the Data files within the Excel Template you must create a Folder under Windows 7 and Newer.

IMPORTANT: Create the following Folder!

64-bit	%WinDir%\SysWOW64\config\systemprofile\Desktop And %WinDir%\System32\config\systemprofile\Desktop
32-bit	%WinDir%\System32\config\systemprofile\Desktop

ATTESION IMPOTANT:
It is only possible to create this folder as a user with administrative Rights!

Start MS Excel to change this setting within the Service Running User!!

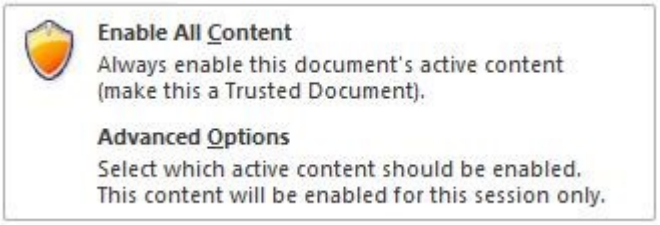
ATTESION IMPOTANT:
Start MS Excel to change this setting within the Service Running User!!

Another method to enable macros in a file is via the Microsoft Office Backstage view, the view that appears after you click the File tab, when the yellow Message Bar appears.

1. Click the File tab.

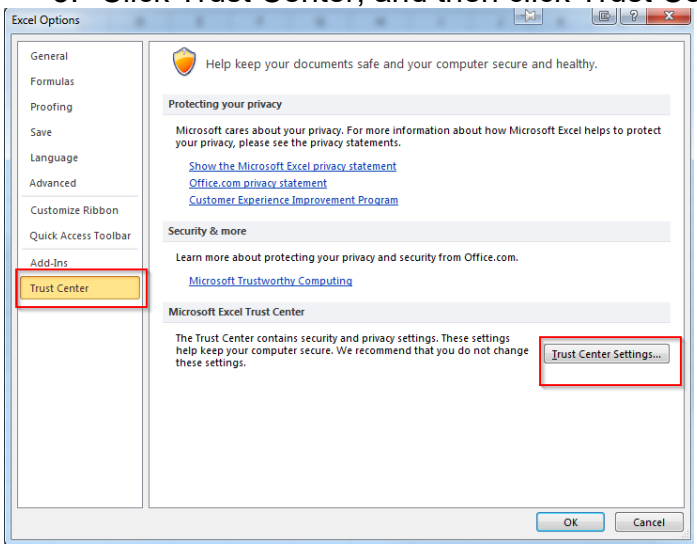
2. In the Security Warning area, click Enable Content.
3. Under Enable All Content, click Always enable this document's active content. The file becomes a trusted document.

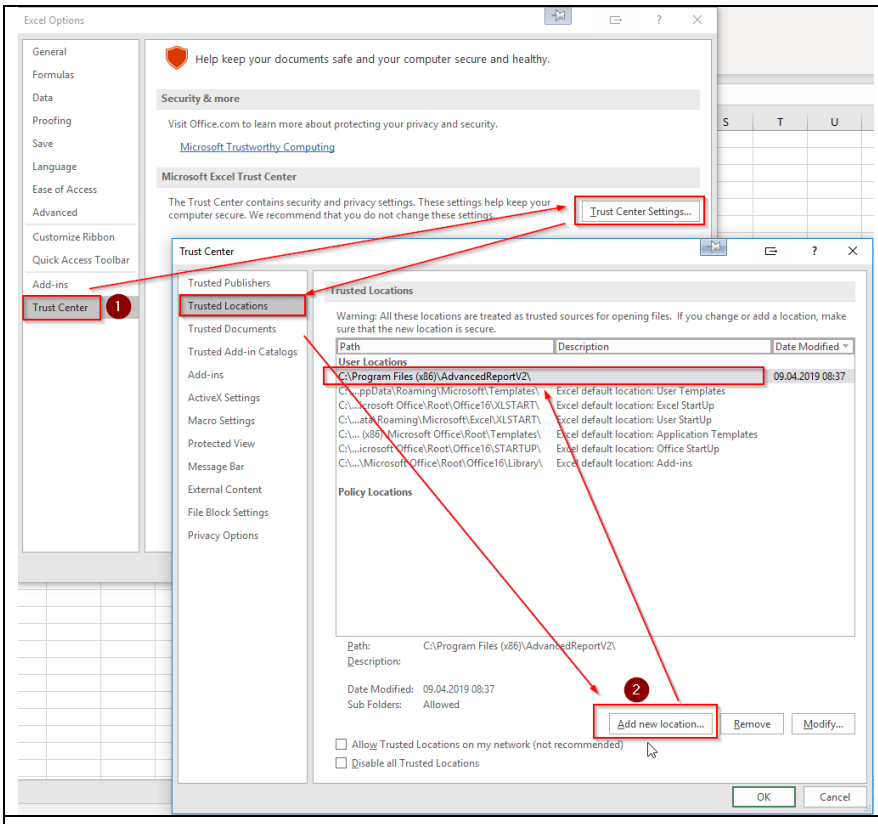
The following image is an example of the Enable Content options.



Macro settings are located in the Trust Center. However, if you work in an organization, the system administrator might have changed the default settings to prevent anyone from changing settings.
Important: When you change your macro settings in the Trust Center, they are changed only for the Office program that you are currently using. The macro settings are not changed for all your Office programs.

1. Click the File tab.
2. Click Options.
3. Click Trust Center, and then click Trust Center Settings.





Add the Application Path to the trusted location

7.5.4 Protect each sheet

After checking the Checkbox everey sheet in the Workbook will be protected by a password.

7.5.5 Name of the export file with the following possibilities

- Original name of the data file
- User specific name with the following individual elements

Element name	Configuration
Original file name	$O
Batch name	$B
Serial number	$S
Los number (batch)	$L
Day	$DD
Month	$MM
Year (two digit)	$YY
Year (four digit)	$YYYY
Hour	$HH
Minute	$mm

Second	$SS
serial-number/year of the file	$C
1. Group name	$1
2. Group name	$2
3. Group name	$3
4. Group name	$4
1. Batch comment	$C1
2. Batch comment	$C2
3. Batch comment	$C3

The file name can be individually arranged by joining the individual elements. Also firm indication can be inserted. Please you pay attention to use only windows conformer indications for the name designation.

Examples:

Configuration	**Result**
$YYYY$MM$DD_Hallo	20040715_Hallo
$B_$YYYY-$MM-$DD	DXBATCH_2004-07-11
$1_$B	group1_DXBATCH

With set the hook in the field “rename source file” also renamed the original file with the same name elements. The file extension will be remaining.

Note:
Not every element will be supported by every file format.

7.5.1 Excel Limit

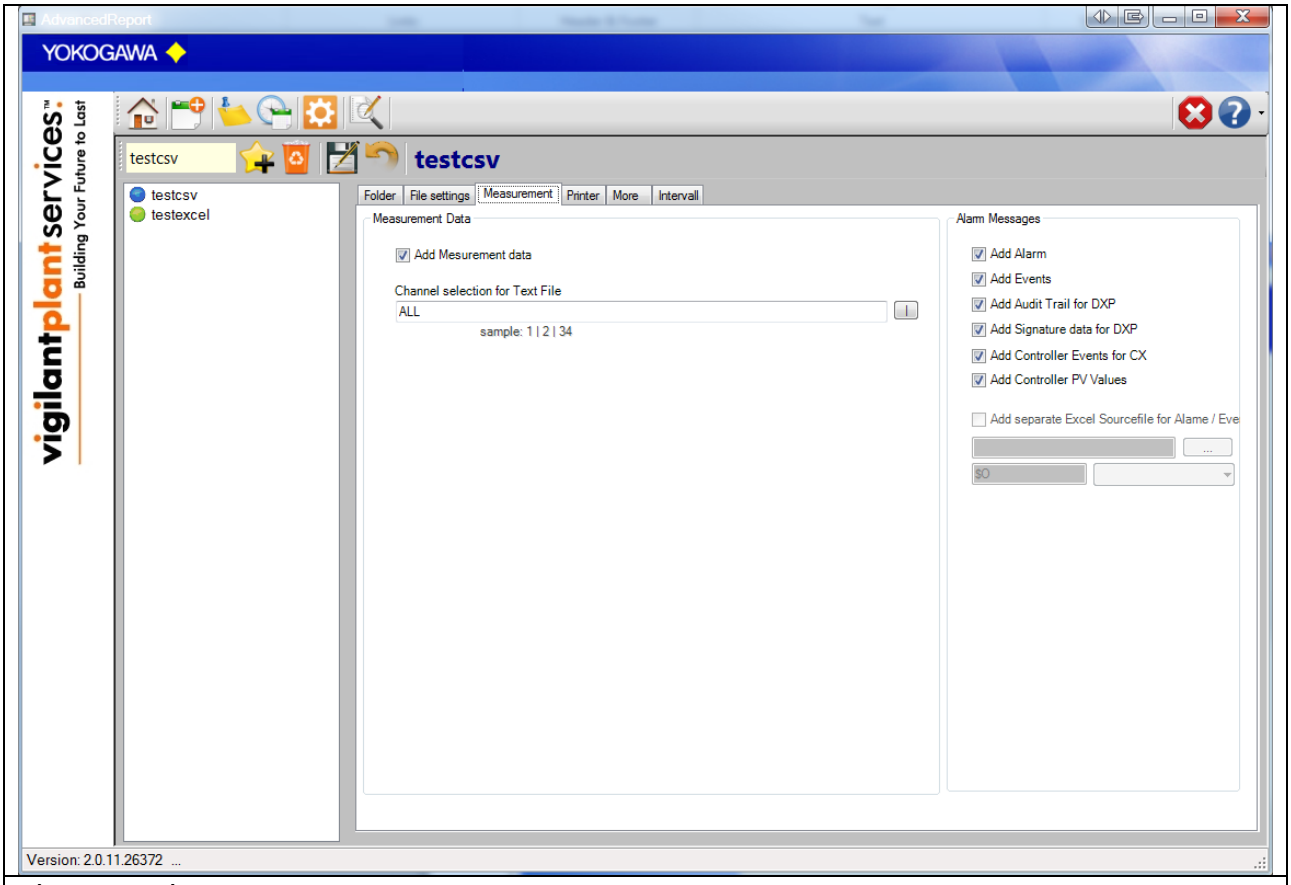
If “Excel Limit” is selected, it is no neseccary to install Microsoft Excel on the PC.
To get the correct Report it is neseccary to know the restriction of this solution.

- An Excel Template within the format Microsoft Excel 2007 or 2010
- Only ”*.xlsx” File extion is allowd
- Formulas like SUM() are allowed in the Template
- Charts are allowed in the Temaplte
- **Running a VBA Makro is not possible**

We use the “EPPlus” API for creation this solution. To get more information please check the URL: https://epplus.codeplex.com/

7.6 Attitudes of alarms/messages

On the register sheet alarms and messages are made the following attitudes:



alarms and messages

7.6.1 Defined starting line and starting column in the Excel file

Check this option to insert the measurement values into the export sheet. If it not needed, uncheck this option for better performance.

7.6.2 Selected channels define

Here the channels intended for the export are indicated. By the entry „ALL “ all of the channels are spent. Each channel must with one beeps „|“ to be locked. The channels are sequentially spent in the order 1.2.3….

7.6.3 Selected period

After checking only the selected period between the both time stamps will be report into the file.

7.6.4 Further information into the export file insert

With the activating of the functions of alarms spend and messages spend, all alarms and/or messages stored in the data file are exported.
Here two variants are supported:

1. As export function for the measured values if the ASCII or Excel format is selected, the alarms and/or messages are likewise registered into the export file.
2. If the export function Excel with collecting main is selected, an additional file is produced, this contains the alarms and/or messages. Also into this file the general data of the source file are registered. Here then the further fields become actively:
   A. Suffix to file name: The produced file receives the identical names of the measured value file with the registered extension. As default value the suffix is given „_AL_ML “.
   B. It is possible also here to define a collecting main file.
   C. It knows the initial position of the general data, to which alarms and the messages are indicated.

7.7 DXP Audit Trail

The operating announcements, the audit Trail, the dates of recorder DX100P and DX200P are inserted by the putting in the report file. All announcements are given since the last file, independently of the perhaps later measuring data recording.

7.7.1 Signature Data DXP

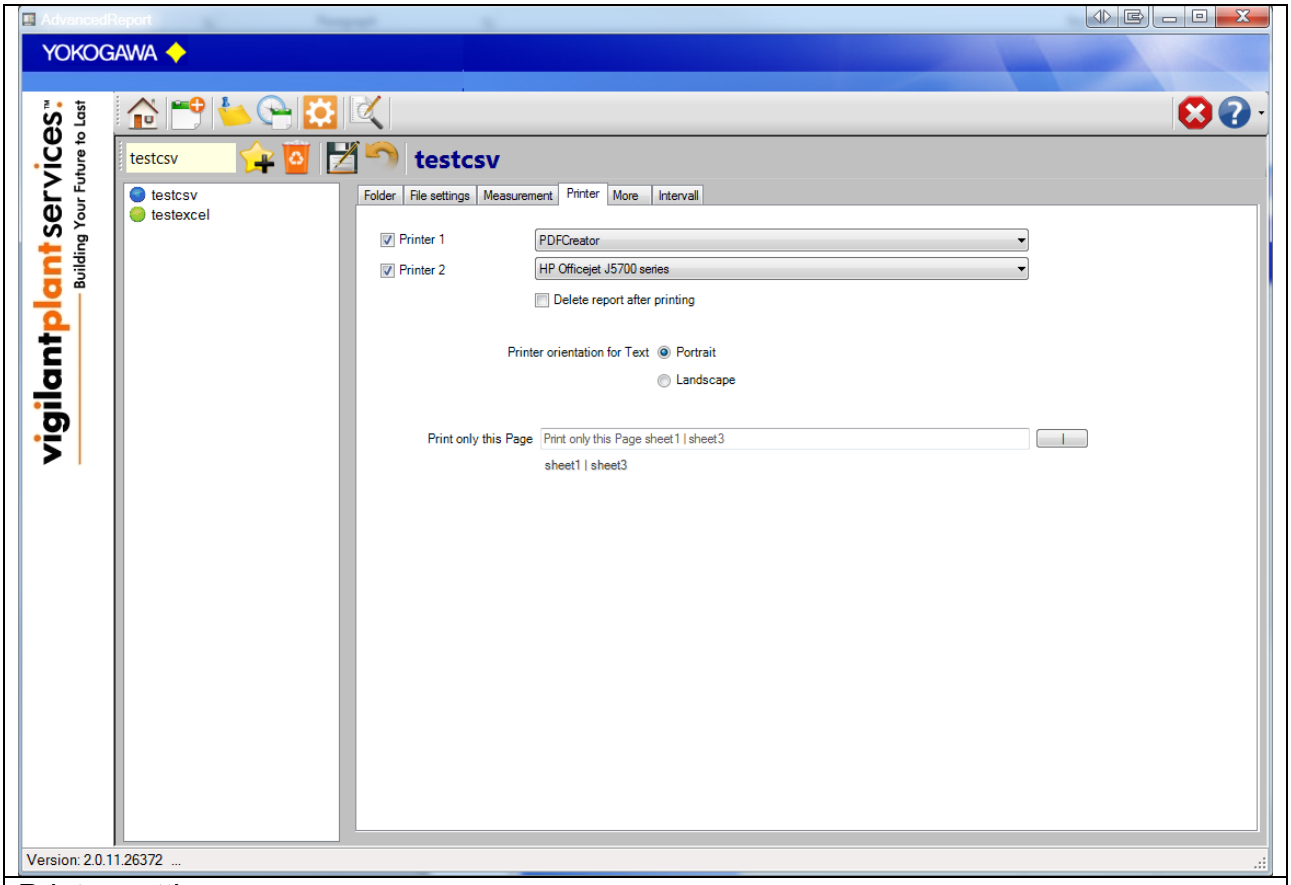
The signature data of the dates of recorder DX100P and DX200P are inserted by the putting in the report file.

7.7.2 Graphic data

The equipment files contain also graphic data/scale information, which can be merged for the analysis and representation of the measured values. These data are inserted in the measuring data file after activation.

7.8 Printer Settings

On register sheet “Options” the following attitudes are made:



Printer settings

With activating this option, the provided files on a printer are spent. It is necessary to select a printer from the list.

7.8.1 First printer

As export format if the CSV format is selected, it is possible to define the printer orientation.

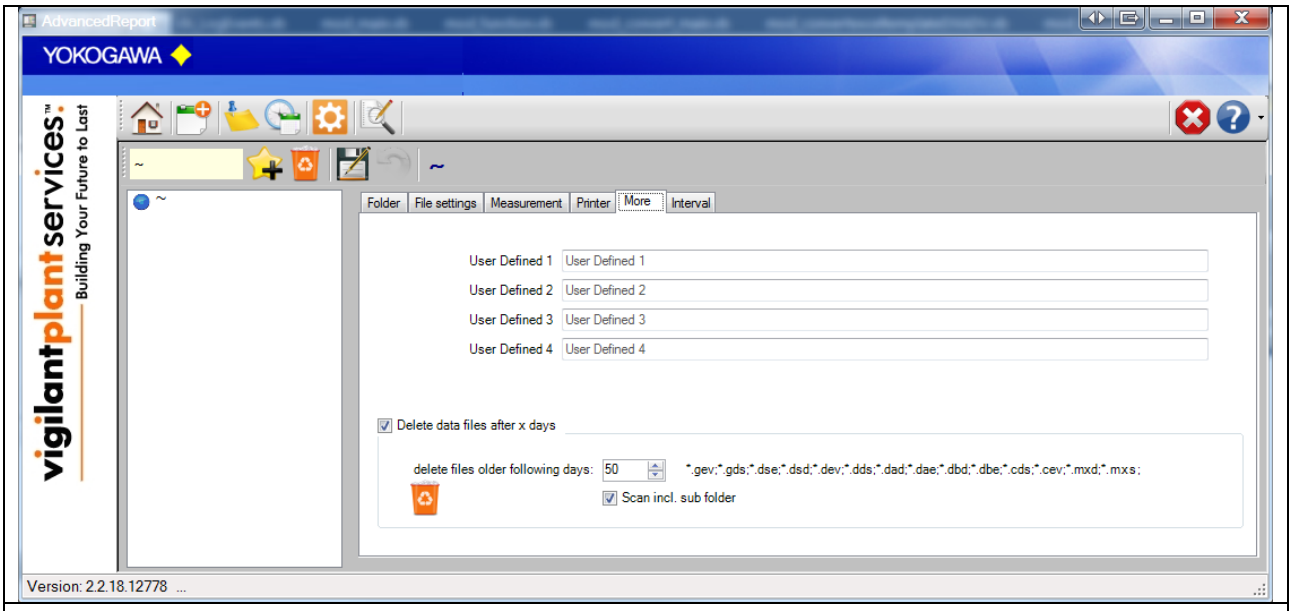
7.8.2 Second printer

To report the file to a second print format, check this option.
Now it is possible to report the file into paper format and also into a PDF format.

After checking the box “delete after creating report file” the report file will be delete.

7.9 More Settings

On register sheet “More settings” the following attitudes are made:



More settings

7.9.1 Freely defined entries

The comments can be inserted up to four own firm. The entries are registered at the beginning of the target file.

These entries are read in again before each report will be created. It is possible to change and so individually provide these entries by further programs

7.9.2 Delete Files after x days

This Function will be delete all data files within older than the defined days. Also the subfolder will be discovering for older files.

7.10 Attitudes automatic conversion

On the register sheet the attitudes for the temporal interval of the conversion program will convert automatic transacted. At the selected time all data files in the listing are converted. The appropriate original files are likewise shifted into the goal listing.

Note:
Not every element will be supported by every file format.

Note:

1. If a new file should have been provided into the source listing in the time of the conversion, this is converted automatically in the next interval.
2. Defective files are not converted. The export file is provided and contains a reference.

With the hook in the field with Windows start AdvancedReport with each Windows start set. If the hook is deleted, the automatic start is deactivated.

Automatic converting by an Icon in the system tray (beside the clock right down) is indicated.

Icon System tray

The following time intervals are supported:

1. Weekly
Further attitudes necessarily:
- Day
- Hour
- Minute

2. Daily
Further attitudes necessarily:
- Hour
- Minute

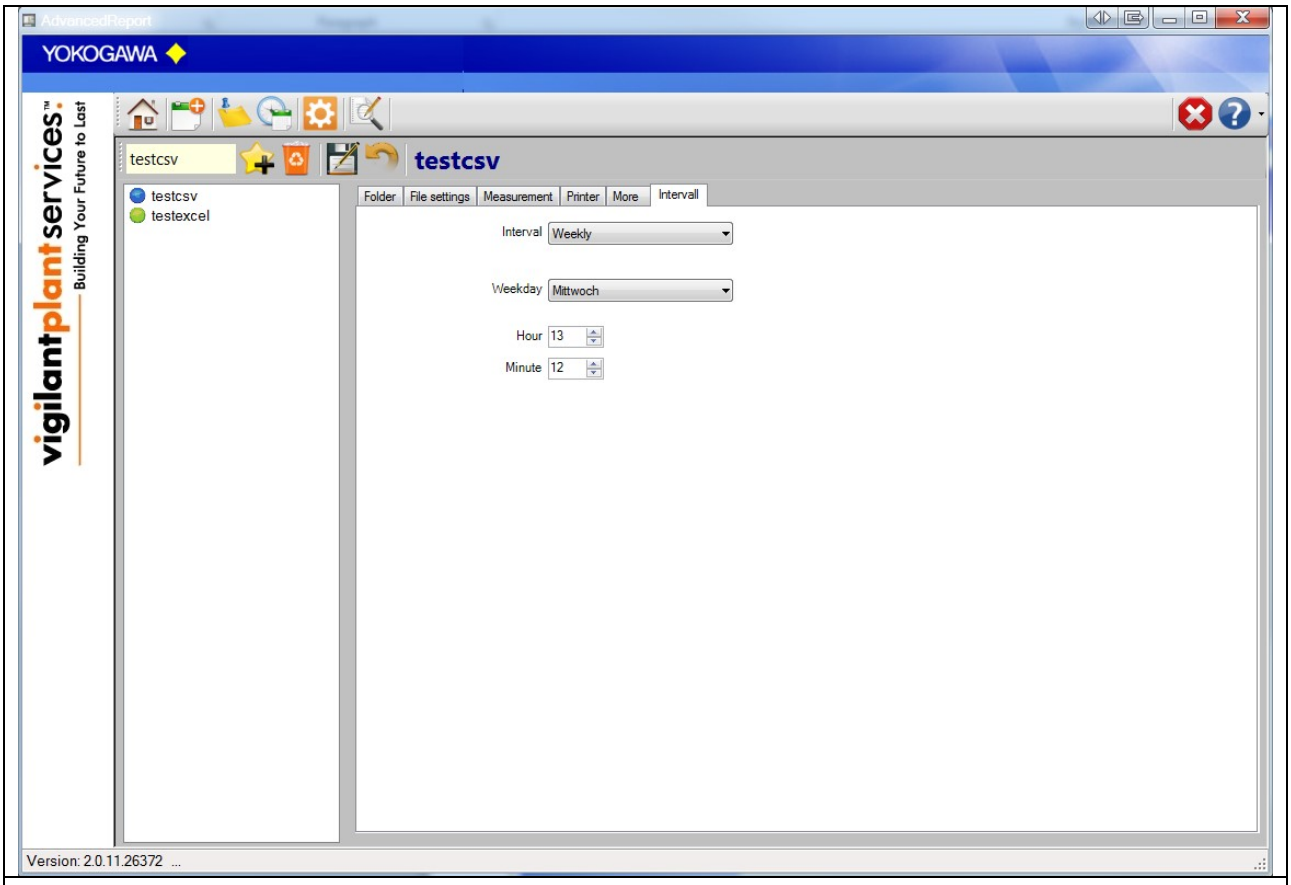
3. Once per hour
Further attitudes necessarily:
- Minute

4. Interval
Further attitudes necessarily:
- Minute

Additionally the file extension of the data files must be stopped. Display data files can automatically be converted, display Event file or also both types.

With the Button starting is activated automatic converting.

A defective or manipulated file is recognized, with the export file with a reference is provided. Over the manual conversion, it is possible to try the receive data.

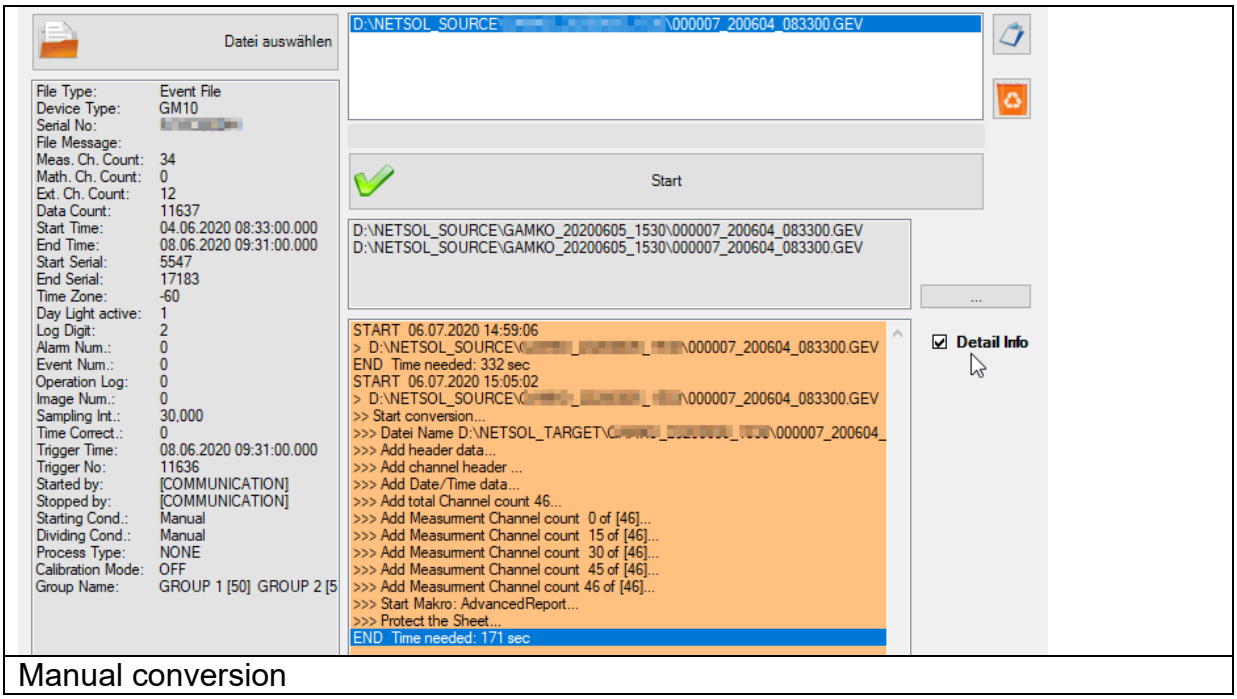


Auto conversion

If the program is running as a service, it is not possible to start the program again. So save the settings, push the save Button. After stopping and restarting the software, the settings are available.

8. Attitudes manual conversion

Over register sheet “manual convert” individual files with the selected format can be converted.



Manual conversion

Use the Button “open” to select one or more files.
Create the report with the “create report” button.

Notes:
Also manual converting requires an existing target folder!
Add the data files per Drag&Drop from the Windows Explorer into the file field.

If the Option **Detail Info** is checked, there are more information about the actual conversion status is shown. Take care, it is an option, because it needs more time to create a report. The total conversion time will be shown after creating the report.

9. Starting parameter

The program has parameters, which are read in when starting.

The following parameters (COMMANDs) are available:

Parameter	Function
/AUTOSTART	The program will be start automatically in scan mode.
/PROJECT:<Reportname>	Starts with a specific Project. To be use with command „/Source:“
< path > \ < filename >	identically to the parameter /Source: By using the parameter /Source: or /Target: this parameter will be ignore.
/Source:<path>\<filename>	By indication of the file (*.dds/*.dev) this is converted with the current attitudes. The program is terminated immediately after the conversion.
/Target: < path > \ < filename >	This parameter indicates the target folder and target name.

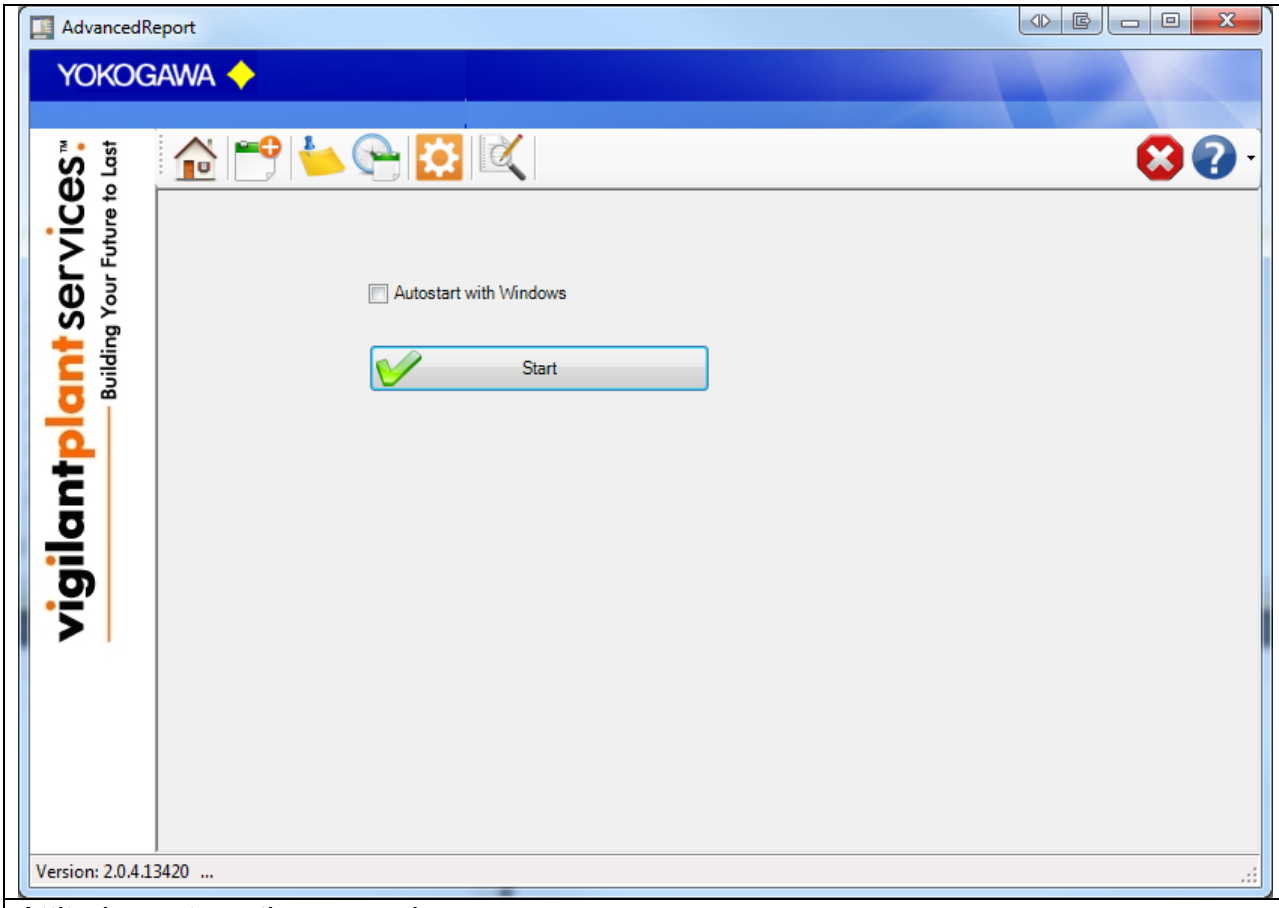
Note:
Not every element will be supported by every file format.

Notes:
It is used adjusted name. The data are converted however after the attitudes in the program. The file extension can be possibly wrong.

Example:

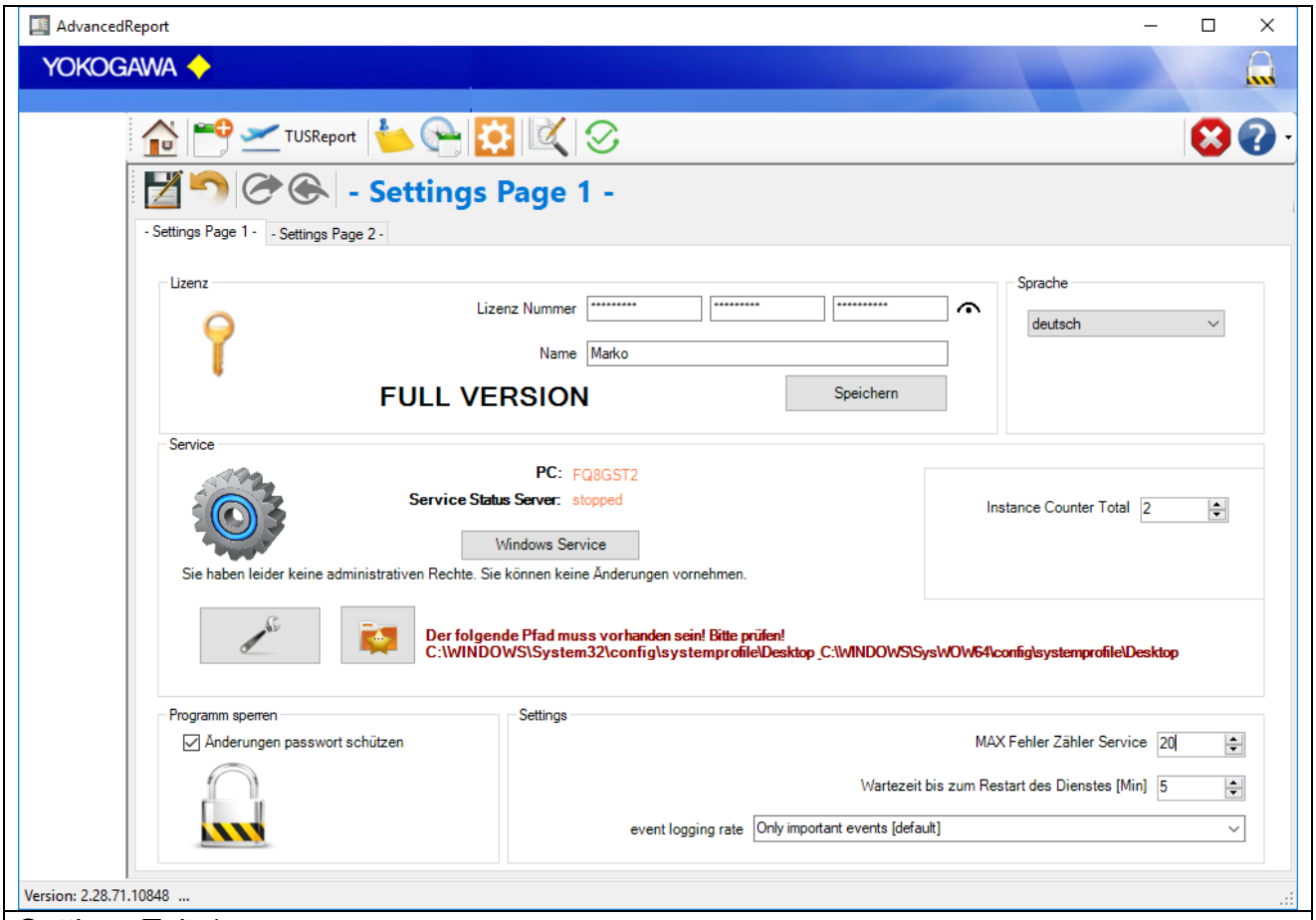
AdvancedReport.exe /Project:testcsv /Source:c:\11212010.DDS /Target:c:\exportdatei.txt

10. Attitudes automatic conversion



Attitudes automatic conversion

11. Program Settings



Settings Tab 1

From the information dialogue the version number and the address become evident when questions and suggestions.

11.1 License

11.1.1 Serial number

If the software in the demo version is installed, put the license number into these fields. With the Button save serial number the software is free licensed.

11.1.2 Name

Under name (company) the name of the enterprise is registered, if specific changes (e.g. a changed export format) at the software were made.

A serial number with the registered company name can be acquired at the company Yokogawa.

11.2 Language change-over

By the Button “language” the language change-over. After selecting a language, these select are directly switched. Please start the program again, in order to receive a complete language change-over.

11.2.1 New language file provide

It is possible to translate the program AdvancedReport into different languages.
For the production of a further language, you proceed as follows:

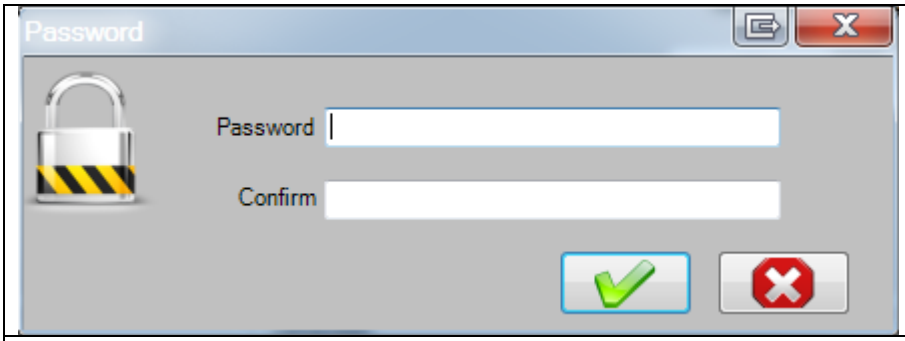
1. Copy the file english.lng from the installation folder into a temporary folder.
2. Designate the file into the new language over, e.g. france.lng.
3. Open the file and a changing you the texts behind the =-Sign.
4. Store the file and copy them into the installation listing.
5. The new language can be selected after a restart by AdvancedReport.

11.3 Program protection

Check this option to disable the following function.

1. Save program settings
2. End the program.

By checking the checkbox “protect program control” and entering a password the save will be protected by the password.
Also it is not possible to close the program without entering the password.

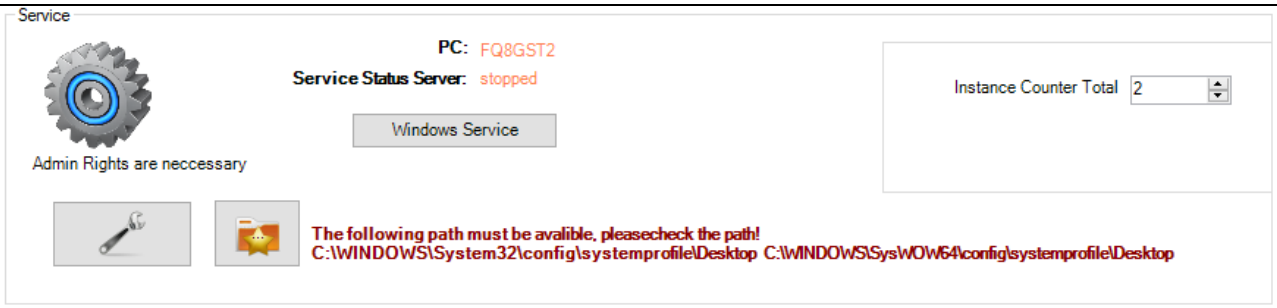


Enter the password

For saving the protection press the save button and re-enter the password.
The protection mode will be displayed at the status bar on the bottom of the program.

11.4 Service settings

Please check for details also the installation manual.



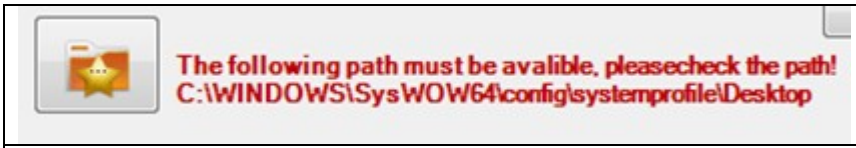
Service Settings

To convert the Data files within the Excel Template you must create a Folder under Windows 7 and Windows 8.

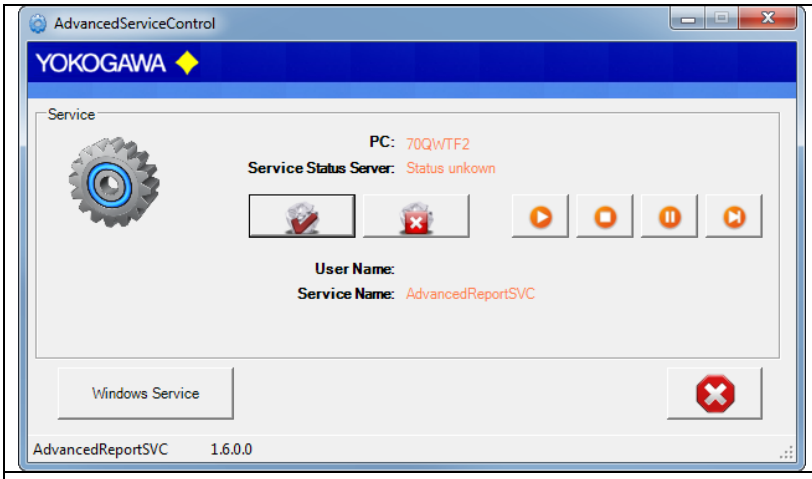
IMPORTANT: Create the following Folder!

64-bit	%WinDir%\SysWOW64\config\systemprofile\Desktop And %WinDir%\System32\config\systemprofile\Desktop
32-bit	%WinDir%\System32\config\systemprofile\Desktop

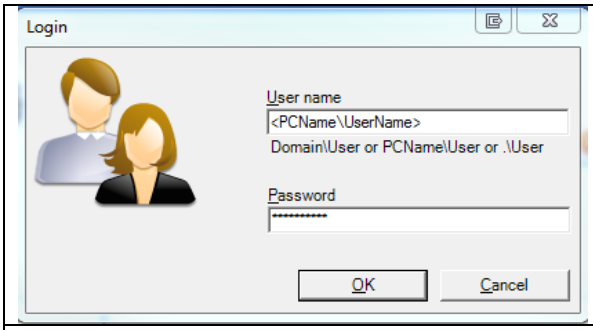
ATTESION IMPOTANT:
It is only possible to create this folder as a user with administrative Rights!



Path is required, if using Excel

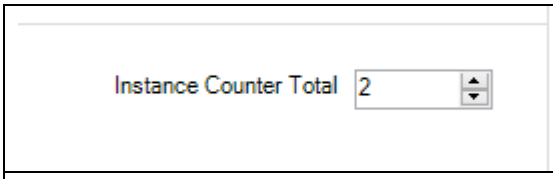


Service Settings as separate Application



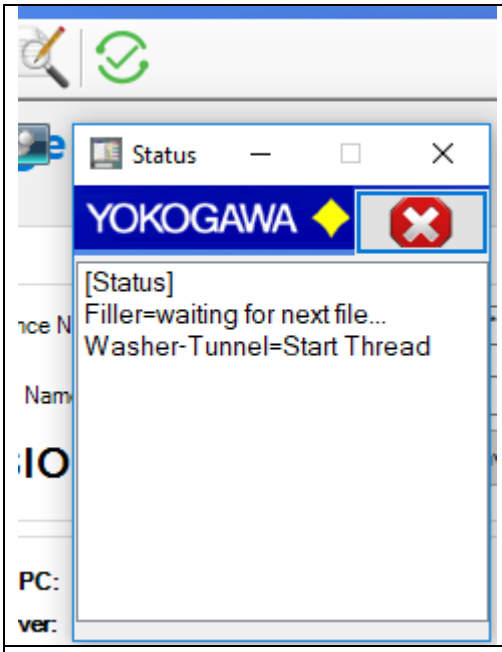
Install the Service as User

If the fields are empty, the service will be installed as “System” User. With this user it is NOT possible to use Excel.



Counter of Software Instances

It is possible to increase the conversion speed for the total counter of files. With this counter it will be convert data files parallel.
Be careful with this parameter, the speed of another program can be slowly.
The Service Status Window will be shown the actual action of the Windows service.



Service Status Window

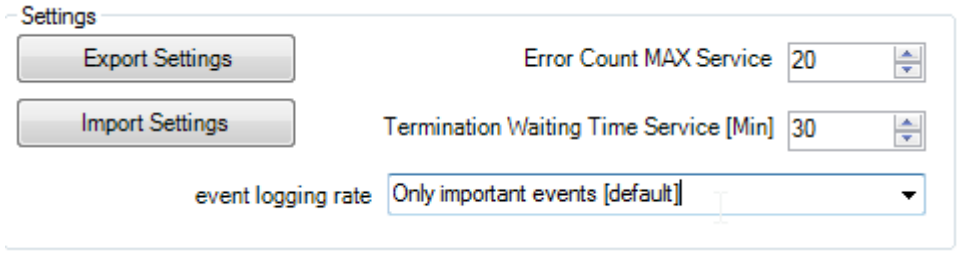
11.5 Logging /Backup and Restor Settings

Every important message is stored in the windows event log. With the pull down menu it is possible to select the logging rate.
With default setting you will find only the important events in the Logfile. For more detail information within the error handling select the higher event log rate.

Error Count Max:
After 20 internal Errors, the windows service will be restart automatically. For this function it is necessary to start the service as a user with administrative rights.

Termination Waiting Time [Minutes]:
If the Software running as a service and a conversion of the report becomes an error, the conversion will be terminate after 10 minutes and also the Excel instance will be terminate.

Export/Import Settings
With this buttons it is possible to Backup and Restore the settings file



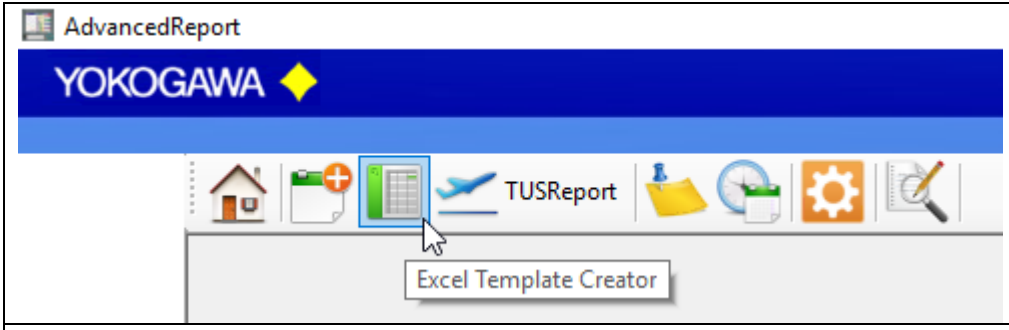
Service Setting

12. Create Excel template

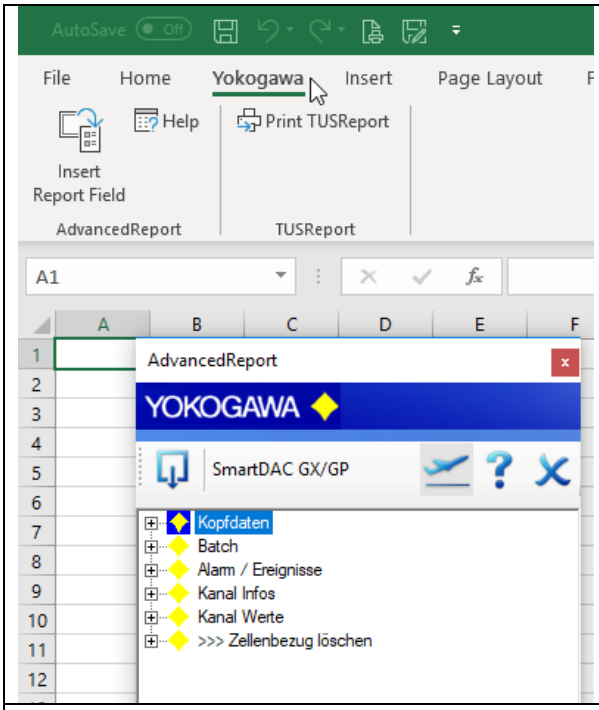
By the report function it is possible to use all functions from the Office program MS Excel.
For easy creating a template an Excel Add-In is installed with the Setup routine.
The Add-In is automatically installed into the Excel Toolbar.

NOTE:

1. For a better performance delete all not used sheets about the file.
2. Do not change the sheet order after creating the template.



Start template creator with the Excel Button



Toolbar with entry AdvancedReport

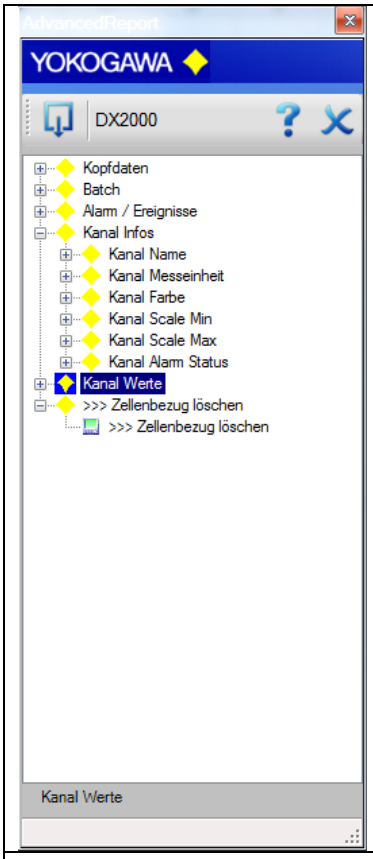
Two entries are indicated to submenu points.

1. Create/edit template
2. Help

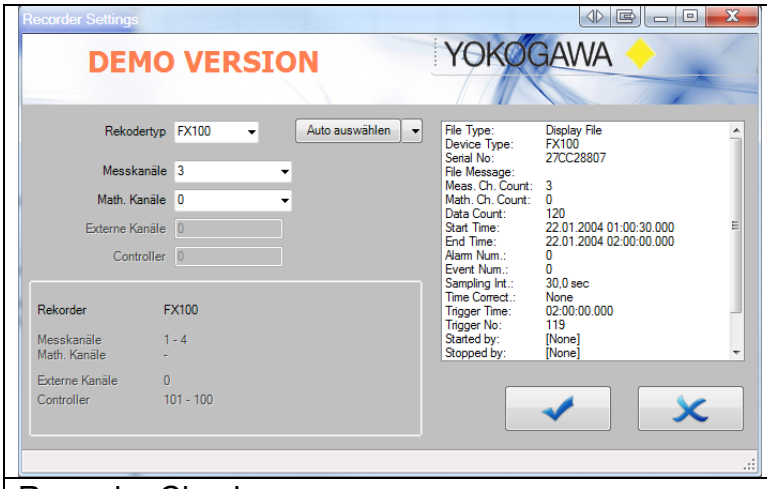
12.1 Create template

With operate the menu option ‘create template’ a window with the equipment information lights up.

In this window all available information of the individual recorder are listed.



Template

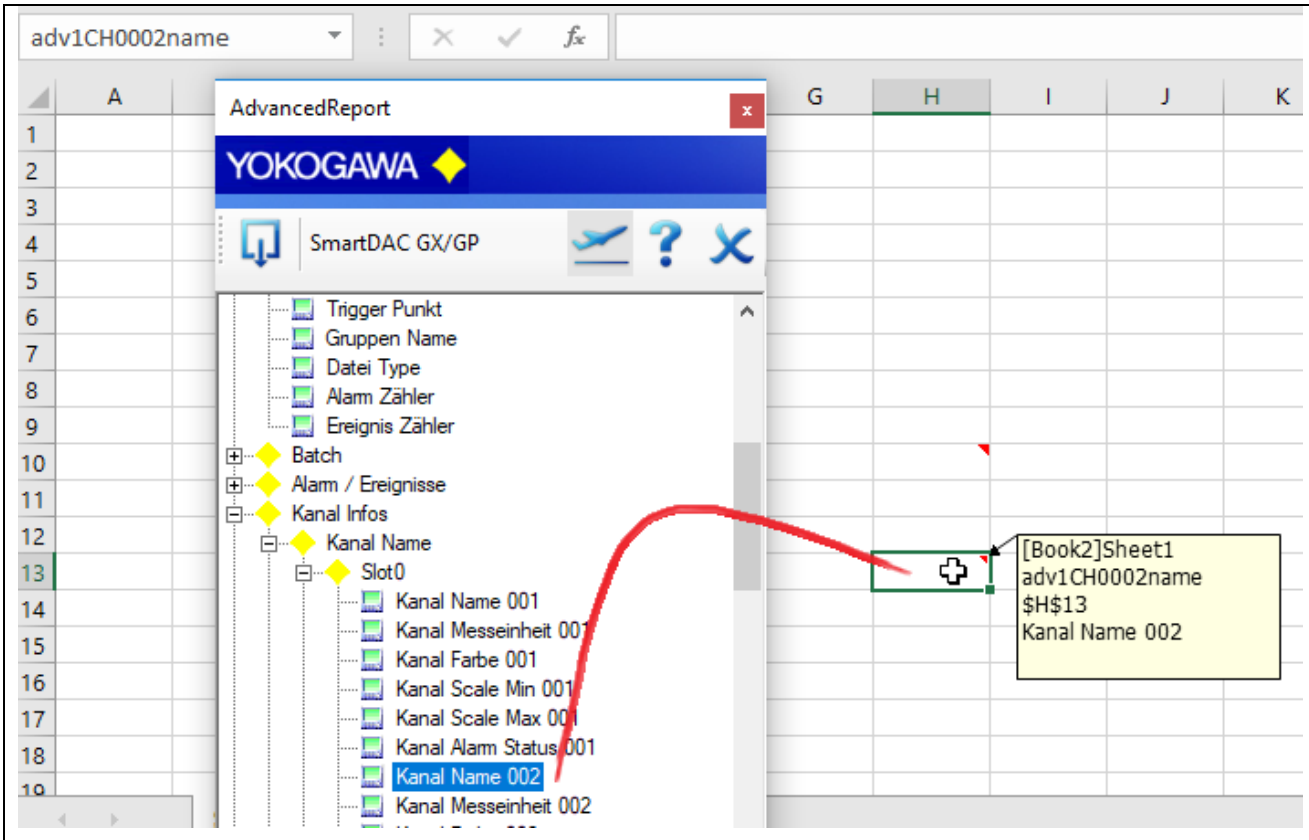


Recorder Check

By the Pull down menu can be selected the appropriate type of recorder.
The window which is under it is filled depending upon type with information.

NOTE:
Not each recorder has all information. Please check the options of the recorder.

With the drag & drop functionality it is possible to insert the information into the Excel sheet.



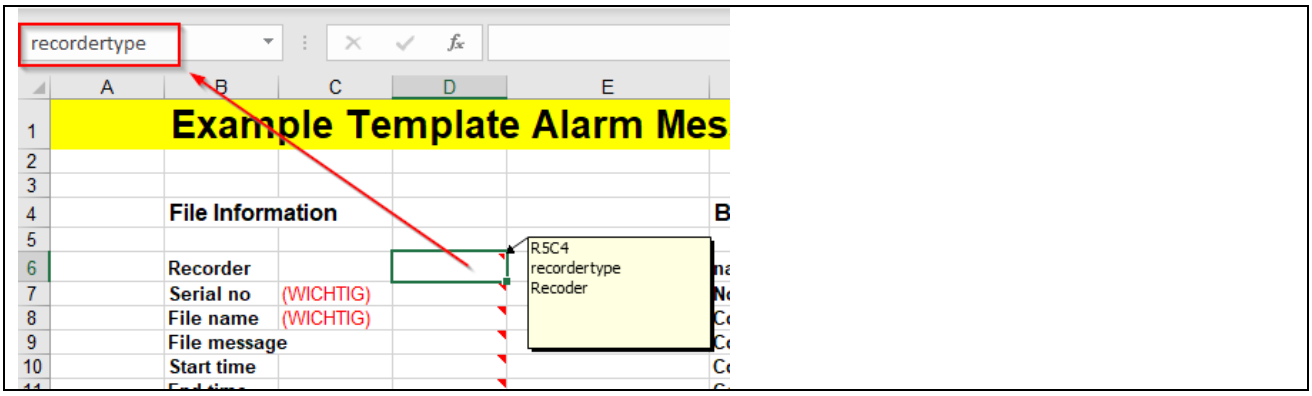
Drag & Drop

The entry is marked by a small triangle in the upper rights corner. By that click the selection information field one lights up.

NOTE:
By reasoning and renewed open stand all entries to the recorder again to the selection.

12.2 Cell Definition

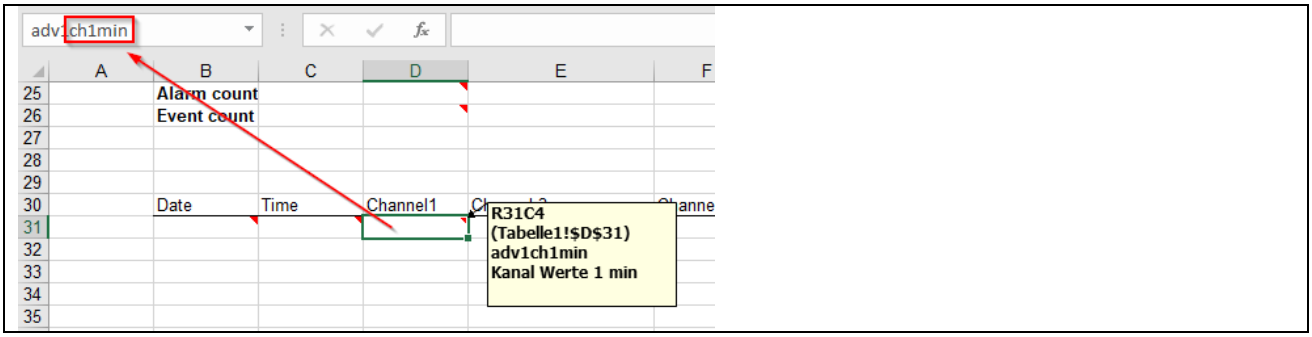
The software checked the Cell Name to find the correct data for the Cell.
Each Cell must be a unique name in the hole Excel sheet! If there are more than one point with the same Information, the Cell name must be a unique name like the format "adv1CH1data" and "adv2CH1data". The info must be set to the end of the name



12.2.1 The Cell Name format

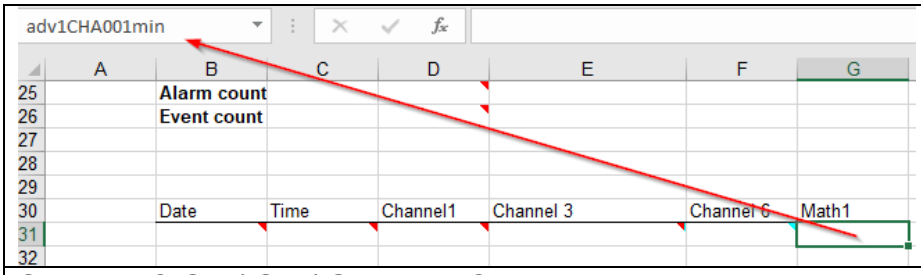
Measurement data:

Channel	KEY	Channel No	Value	RESULT	Recorder	INFO
Measurement	CH	1	data	CH1data	ALL Type	Event File
Measurement	CH	1	min	CH1min	ALL Type	Event File
Measurement	CH	1	max	CH1max	ALL Type	Display File
Measurement	CH	23	data	CH23data	ALL Type	Event File
Measurement	CH	23	min	CH23min	ALL Type	Event File
Measurement	CH	23	max	CH23max	ALL Type	Display File
Measurement	CH	0001	data	CH0001data	SmartDAC	Event File
Measurement	CH	0001	min	CH0001min	SmartDAC	Event File
Measurement	CH	0001	max	CH0001max	SmartDAC	Display File
Measurement	CH	001	data	CH001data	DX / DXAdv	Event File
Measurement	CH	001	min	CH001min	DX / DXAdv	Event File
Measurement	CH	001	max	CH001max	DX / DXAdv	Display File


adv1ch1min
A
B
C
D
E
F
25
26
27
28
29
30
31
32
33
34
35
Alarm count
Event count
Date
Time
Channel1
R31C4
(Tabelle1!D31)
adv1ch1min
Kanal Werte 1 min

Mathematic Channel data:

Channel	KEY	Channel No	Value	RESULT	Recorder	INFO
Mathematic	CH	1001	data	CH1001data	ALL Type	
Mathematic	CH	1001	min	CH1001min	ALL Type	
Mathematic	CHA	001	data	CHA001data	SmartDAC	
Mathematic	CHA	001	min	CHA001min	SmartDAC	
Mathematic	CH	101	data	CH101data	DX / DXAdv	
Mathematic	CH	101	min	CH101min	DX / DXAdv	



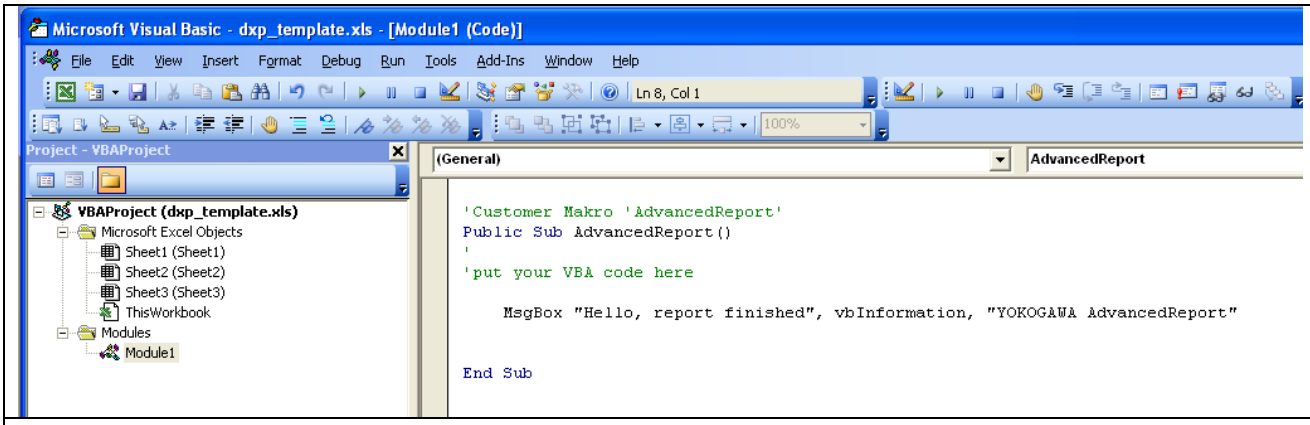
SmartDAC GX / GP / GM Math Channel Value

Communication Channel data:

Channel	KEY	Channel No	Value	RESULT	Recorder	INFO
Communication	CH	2001	data	CH2001data	ALL Type	
Communication	CH	2001	min	CH2001min	ALL Type	
Communication	CHC	001	data	CHC001data	SmartDAC	
Communication	CHC	001	min	CHC001min	SmartDAC	
Communication	CH	2001	data	CH201data	DX / DXAdv	
Communication	CH	2001	min	CH201min	DX / DXAdv	

12.3 Add user defined VBA Makro

After creating the report it is possible to run a Visual Basic for Application (VBA) Makro. The name of the Makro is AdvancedReport.



VBA Editor for MS Excel

Example:

```
'Customer Makro 'AdvancedReport'
Public Sub AdvancedReport()
'
'put your VBA code here
    MsgBox "Hello, report finished", vbInformation, "YOKOGAWA AdvancedReport"
End Sub
```

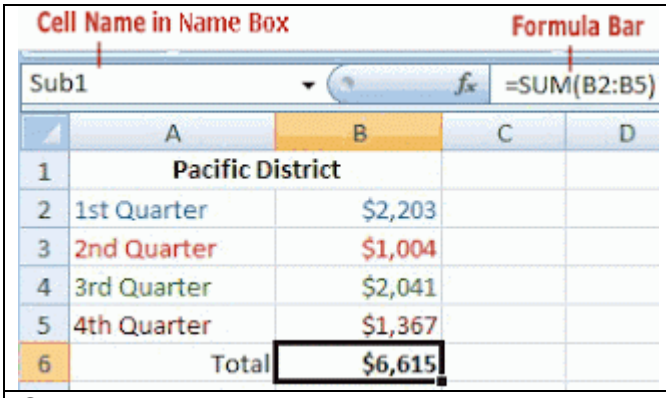
VBA Makro

12.4 How to Check, Change or Delete the Cell Name in Excel?

To check all the correct Values implemented by the template creator, please use the following routine:

It's easy to name a cell. You click on the cell, put the cursor in the "Name Box" to the left of the Formula Bar (see image below), type a name, and press Enter. Then you can reference that cell in other parts of the workbook.

In the example below we have named the cell "Sub1" because we will reference this Subtotal in a Summary worksheet.



Cell Name

However, after naming a cell, it seems like Excel won't let you delete or change the name! If you click in the Name Box and type over the name or delete the name, nothing happens! The name remains.

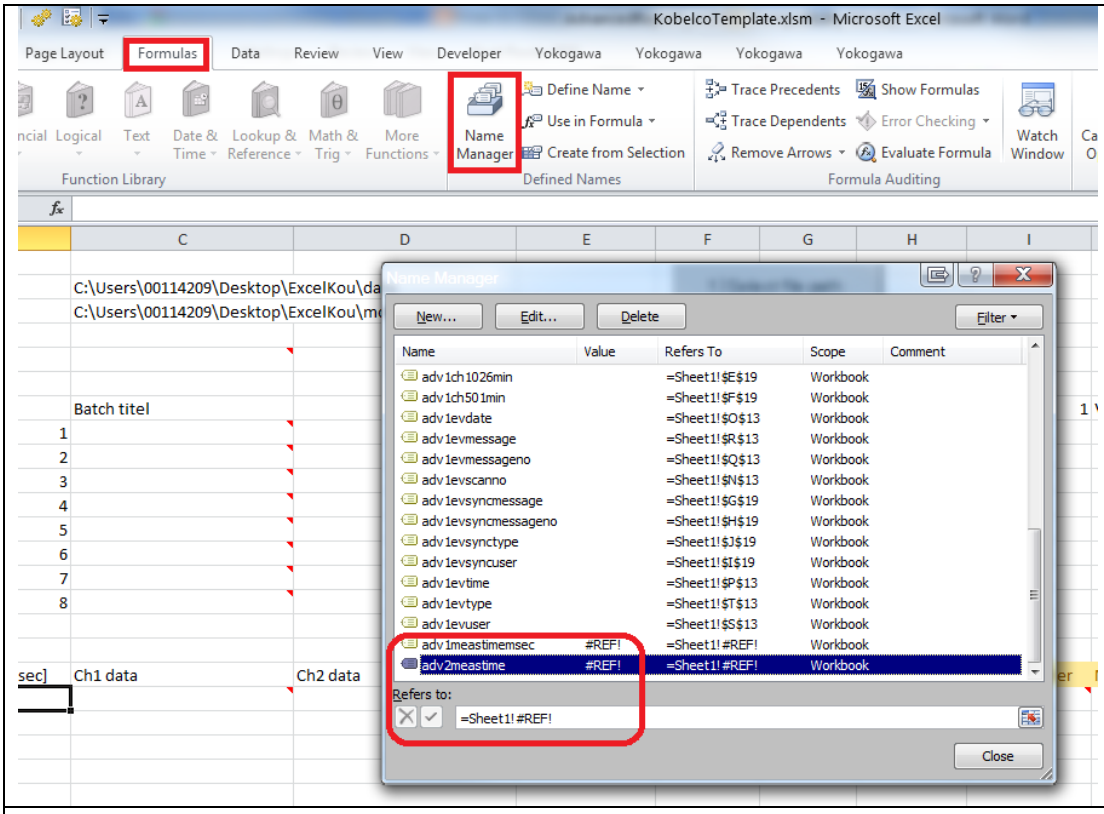
So, how do I change a cell name? How do I delete a cell name? It's pretty easy ... it's just hidden!

To delete or change a cell name, click the Formulas tab. Then click Name Manager on the "Defined Names" group of the Formulas ribbon.

The Name Manager window displays and lists ALL of the cell names that have ever been defined in the worksheets in that workbook.

To delete a cell name, click on the cell name and click Delete button.

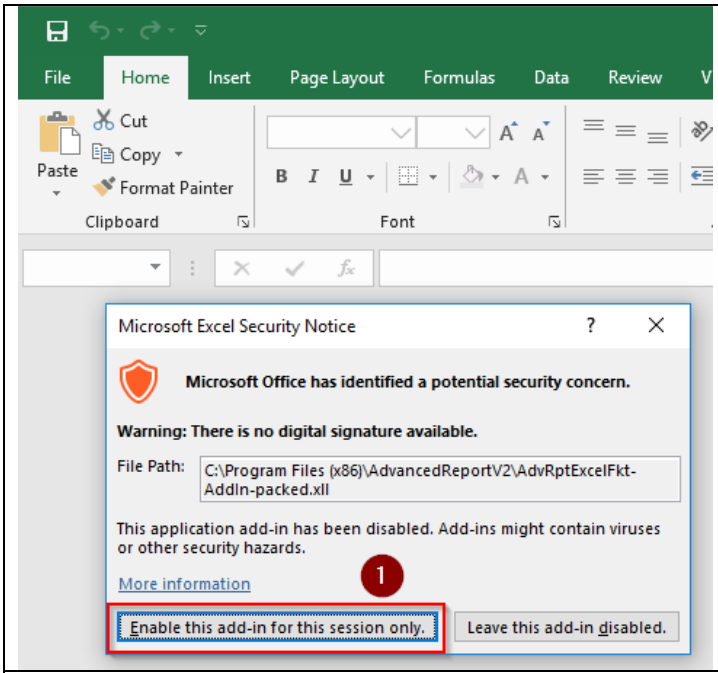
To change a cell name, click on the cell name, click the Edit button, Change the name and click OK. When finished, click Close.



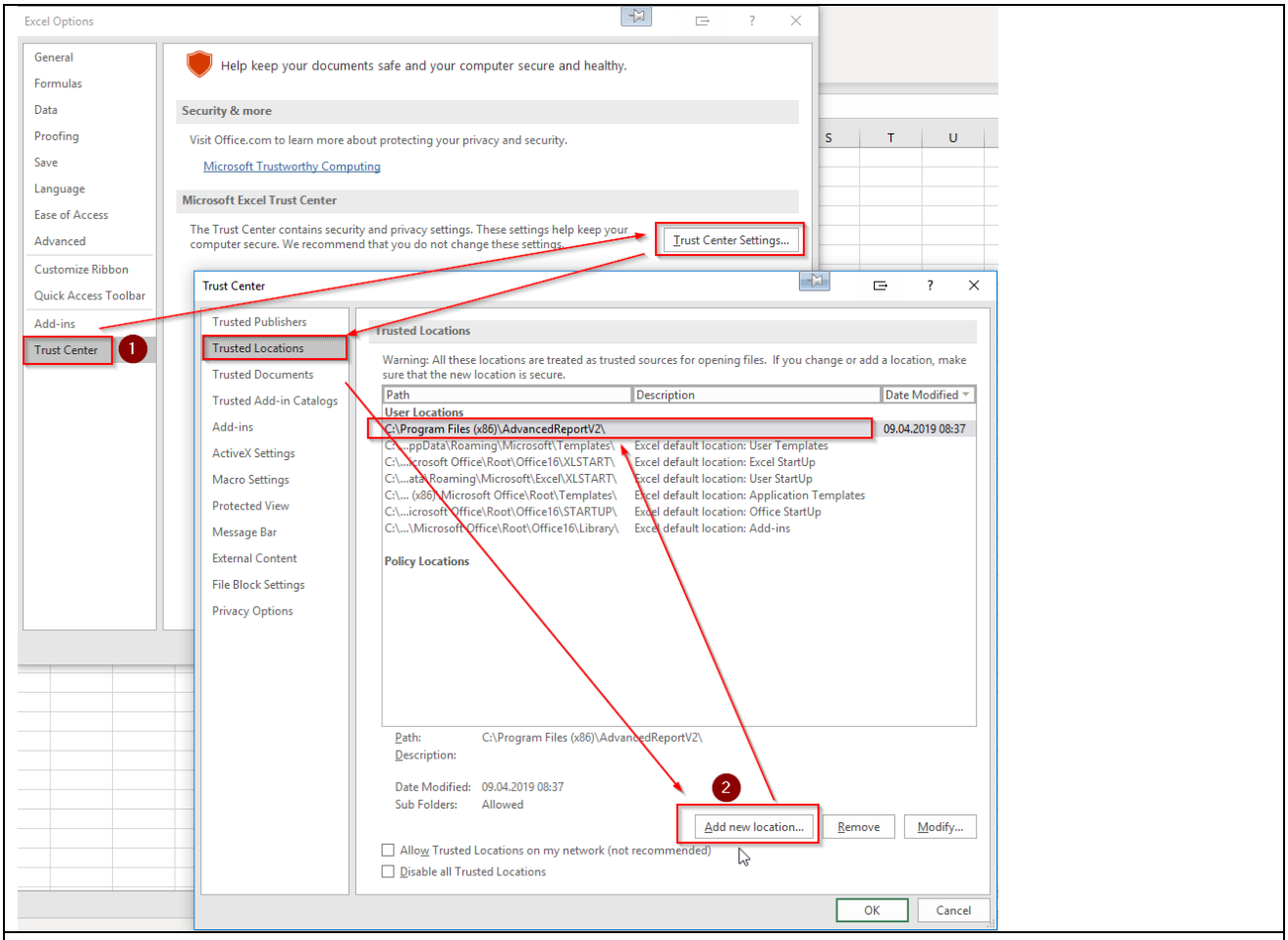
Not defined Cell Names. This cell names can be delete

12.5 Template Creator is not available

If Excel starts correctly, but the Ribbon isn't available, please check the following settings.



1. Enable the Template Addin



Add the Application Path to the trusted location

Open the Trust Center:

File → **Option** (at the left bottom) →
Trust Center (1) → **Trust Center Settings** → **Trusted Location** →
Add new Location (2)→
Browse the AdvancedReportV2 installation folder →Select **OK** →
Close all Windows with **OK**

13. Run Program as NT- Service

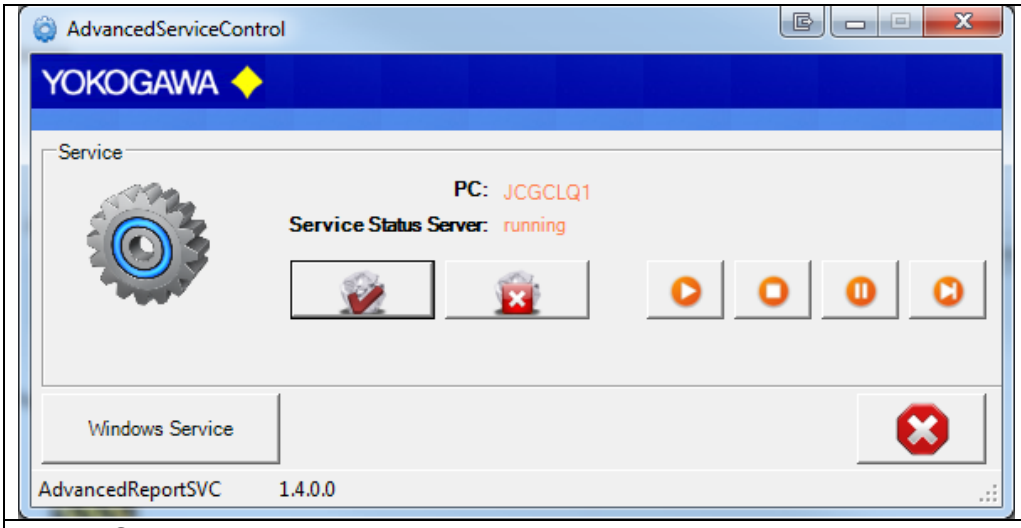
It is possible to start the program as a service. With this it is not necessary to login on the computer. It starts automatically with Windows.

Note:

- Also the FTP Server has to run as a Service!
- All Settings have to be made as User with administrative Rights

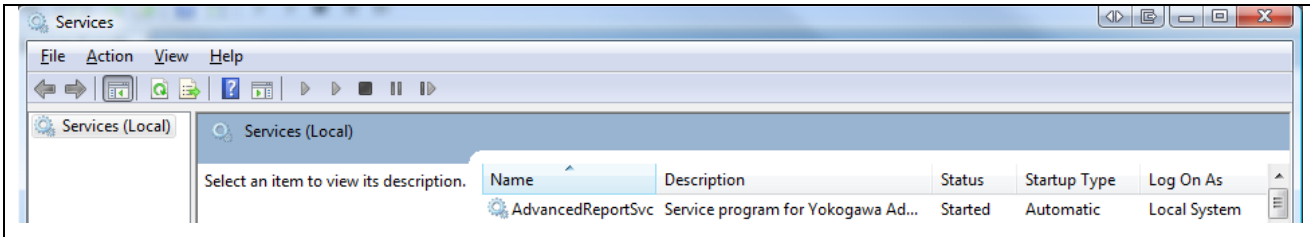
13.1 Installation

Change to the Settings register. The Button „Install“ add the service „AdvancedReportSvc“ into the control panel. The Button „Start“ activate the Service. The service start as „System“ User in Automatic Mode.
By changing the settings, it will be activate with a new folder scan.

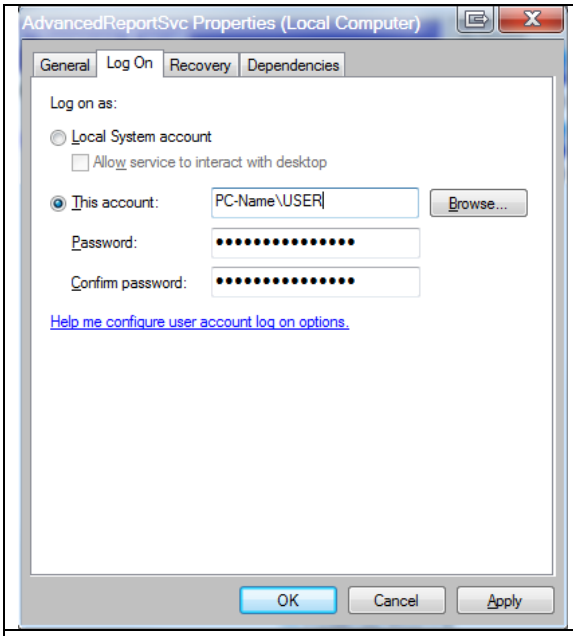


Install Service in AdvancedReport

The messages are sending to the Windows event logger (Control Panel → Administrative Tools → Events).



Windows Services



Add User Name to the Service

To convert the Data files within the Excel Template you have to create a Folder under Windows 7 and newer.

IMPORTANT: Create the following Folder!

64-bit	%WinDir%\SysWOW64\config\systemprofile\Desktop And %WinDir%\System32\config\systemprofile\Desktop
32-bit	%WinDir%\System32\config\systemprofile\Desktop

ATTESION IMPOTANT:
It is only possible to create this folder as a user with administrative Rights!

With Version 2.7 und newer the service will be restart after an Error Counter of 10. For this function it is important to start the service as an user with administrative rights.

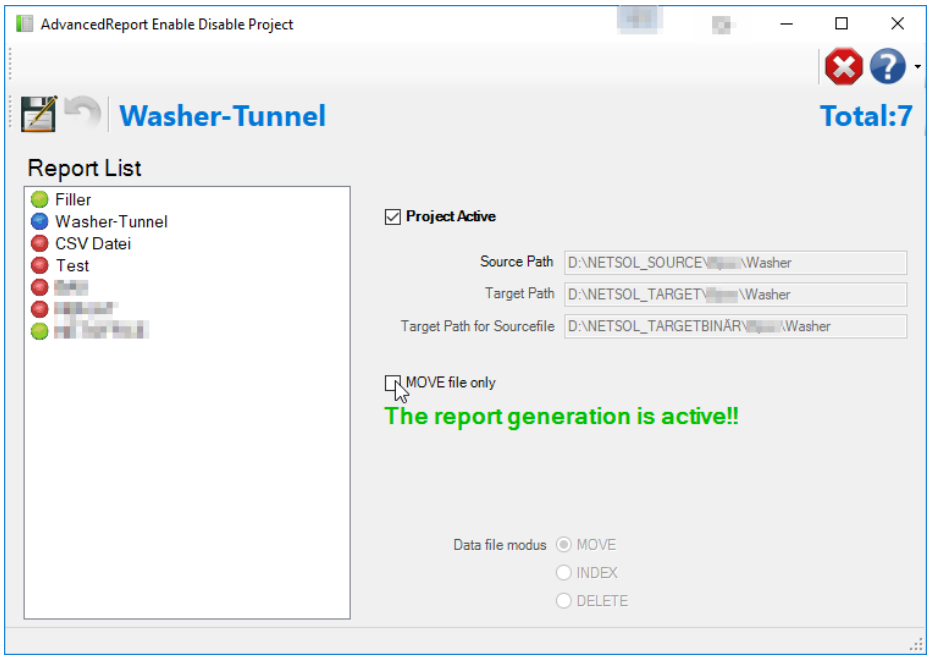
ATTESION IMPOTANT:
It is important to start the service as a user with administrative rights.

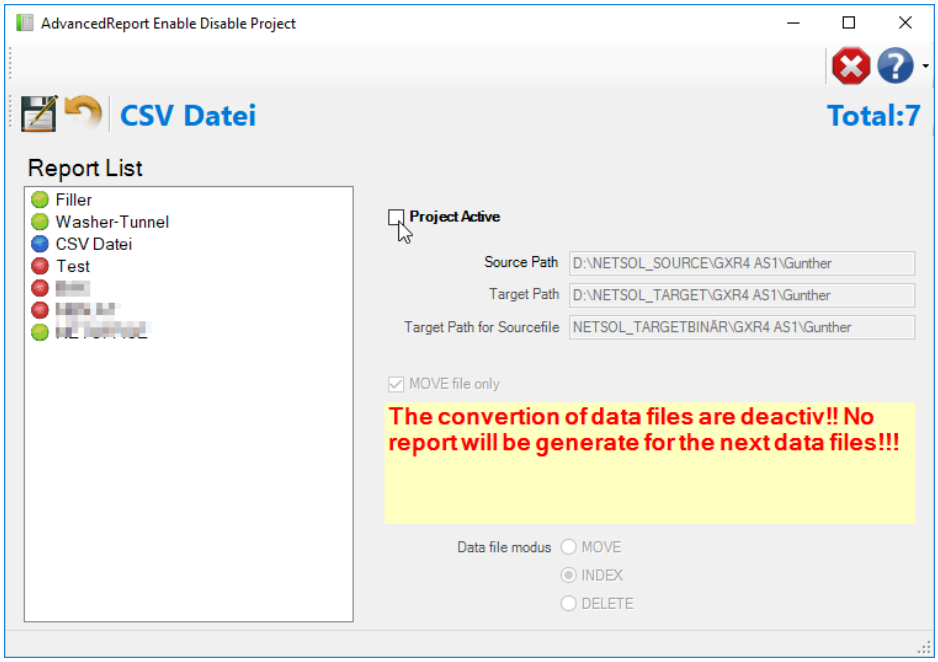
13.1 Deinstallation

Change to the Settings register. The Button „Stop“ stopped the service. After stopping the service it is possible to uninstall the service by using the button „Un-Install“.

14. AdvRptEnable Software to Enable/Disable a Report

For an easy handling to enable or disable a report temporary use the installed Software Application “AdvRptEnable.exe”. This Application is installed at the Installation Folder, eg. “C:\Program Files (x86)\AdvancedReportV2”.





15. Error handling

15.1 Solve Problem by yourself

If an error is recognized in the conversion or in general running of the program, this is indicated by an “Alert window” and registered in the error log.

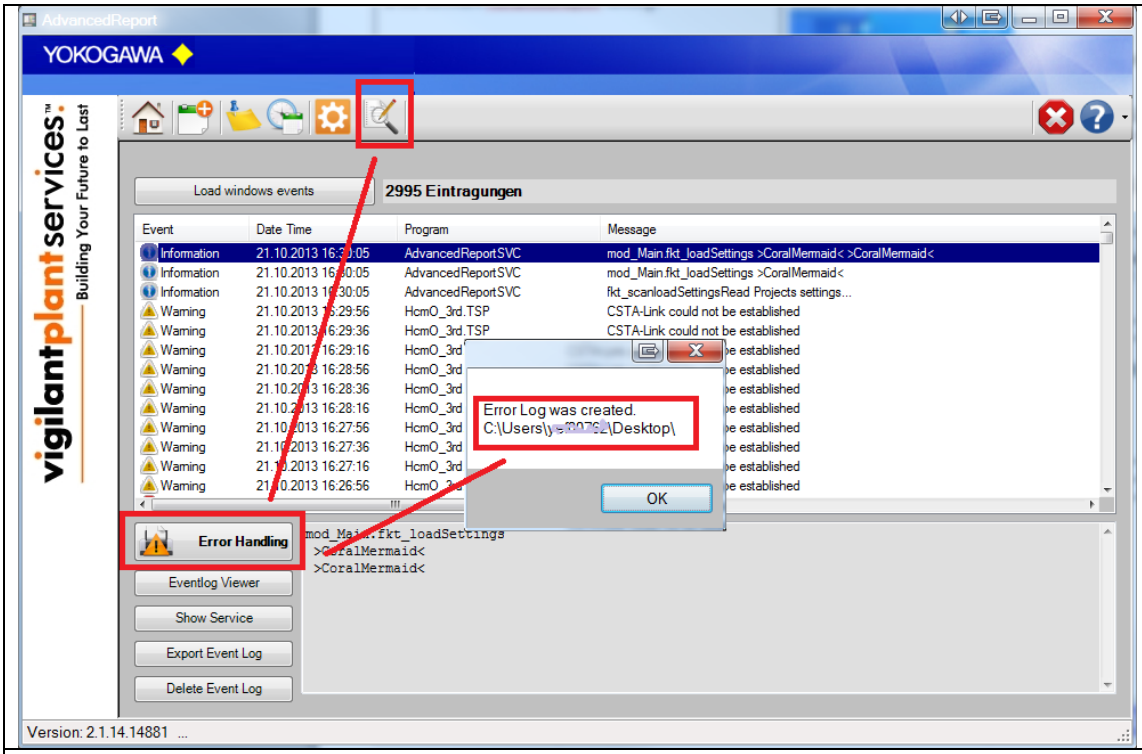
Note:

1. Please read this chapter to solve the problem.
2. Use the Error Handling routine before calling your Services Team.

15.2 Software AdvancedReport

During the conversion or in the generally running program if an error is recognized, this is indicated by a reference display window and registered in the file error.log.
Please send the file with exact error report and if necessary, the file which can be converted to the well-known email address.
If the programs running as a Service, the messages are also sent to the Windows event logger (Control Panel → Administrative Tools → Events)

- Start AdvancedReportV2
- Select Button >Events< See next picture.



Start Error Handling routine

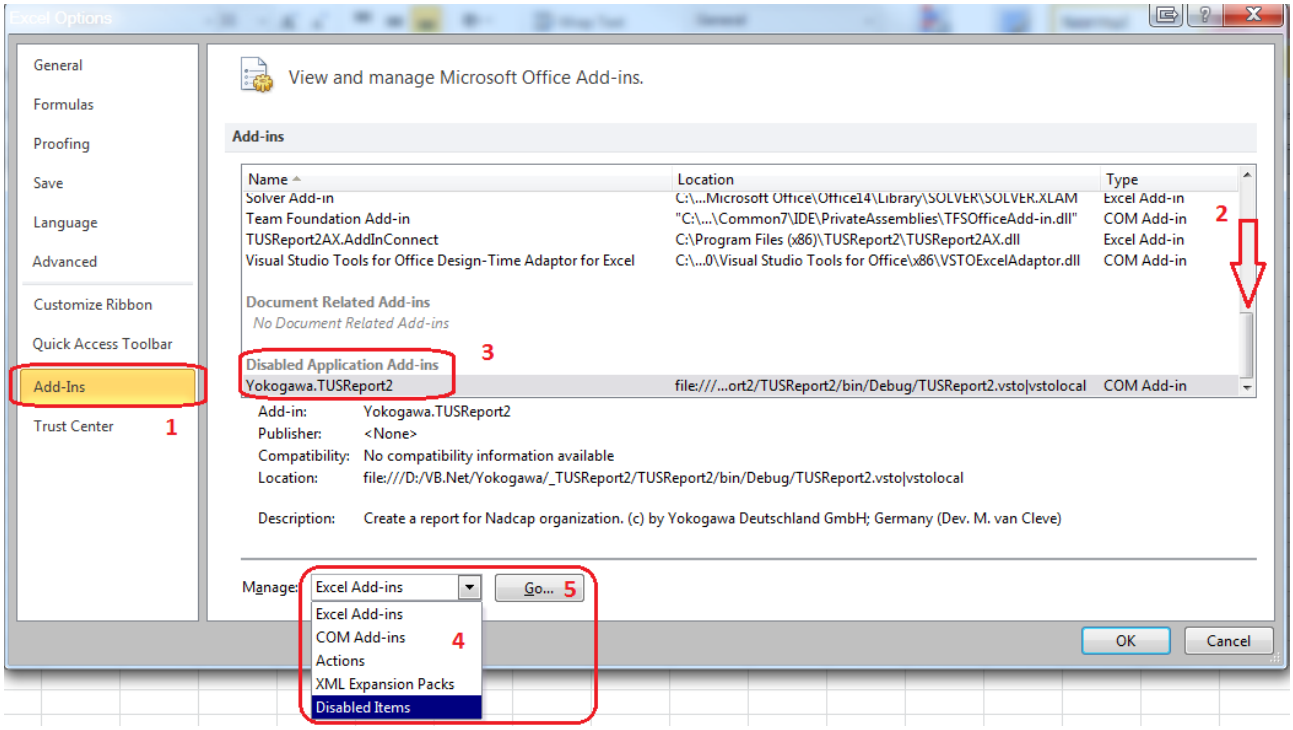
15.3 Software Template Creator Excel Addin

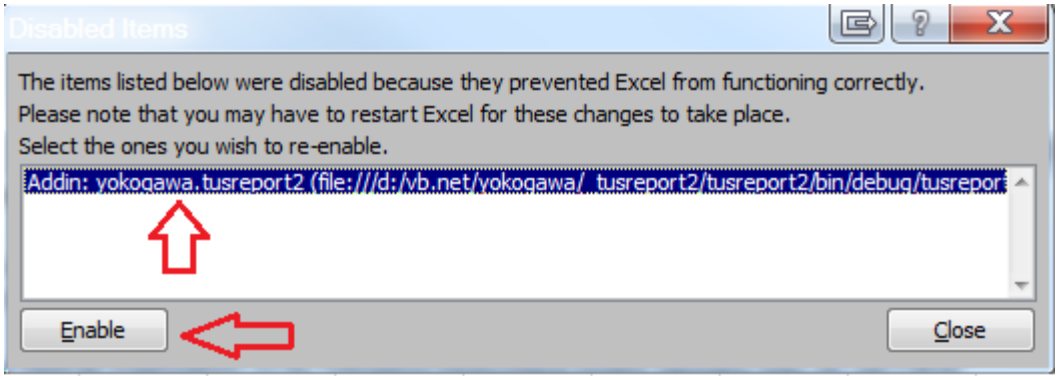
"I installed my Office solution (VSTO add-in) successfully but when I open the Office application, my add-in does not load. What is the problem?"

This is a common question which I came across many times in Forums. Here are simple and quick checks that you can do before you start scratching your head or jump to the Forums. I'll be using Excel as the Office application, but the approach is applicable to others more or less.

15.3.1 Check out "COM Add-Ins" dialog in Excel

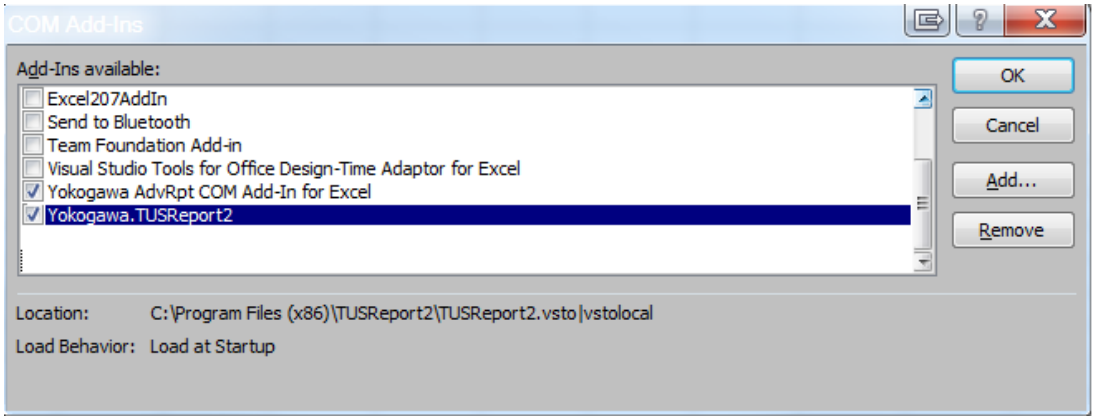
Now open Excel and see if your add-in loads successfully. If not, open Excel Options dialog (File->Options) and navigate to Add-Ins tab.

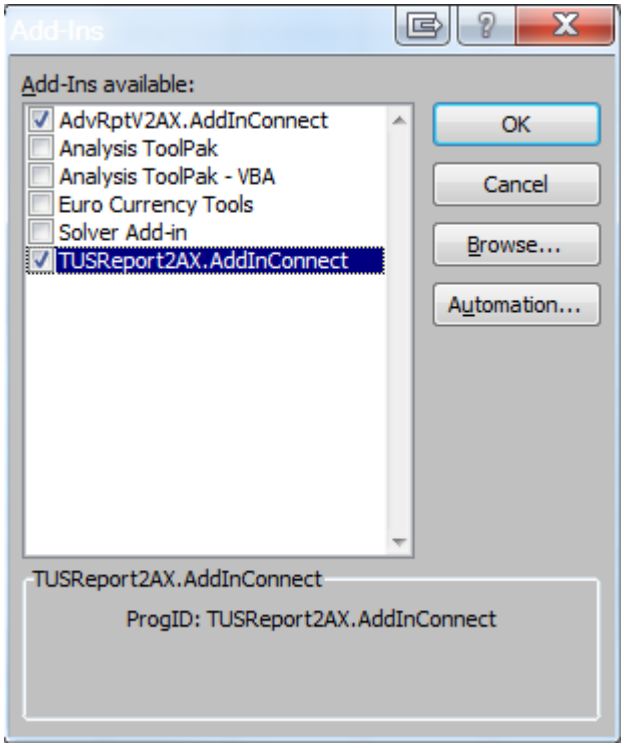




"Healthy add-ins" show up as "Active Application Add-ins", however, if an add-in is disabled for whatever reason, it will appear under the "Inactive Application Add-ins". You can select the "COM Add-ins" from the Manage dropdown at the bottom of this dialog and

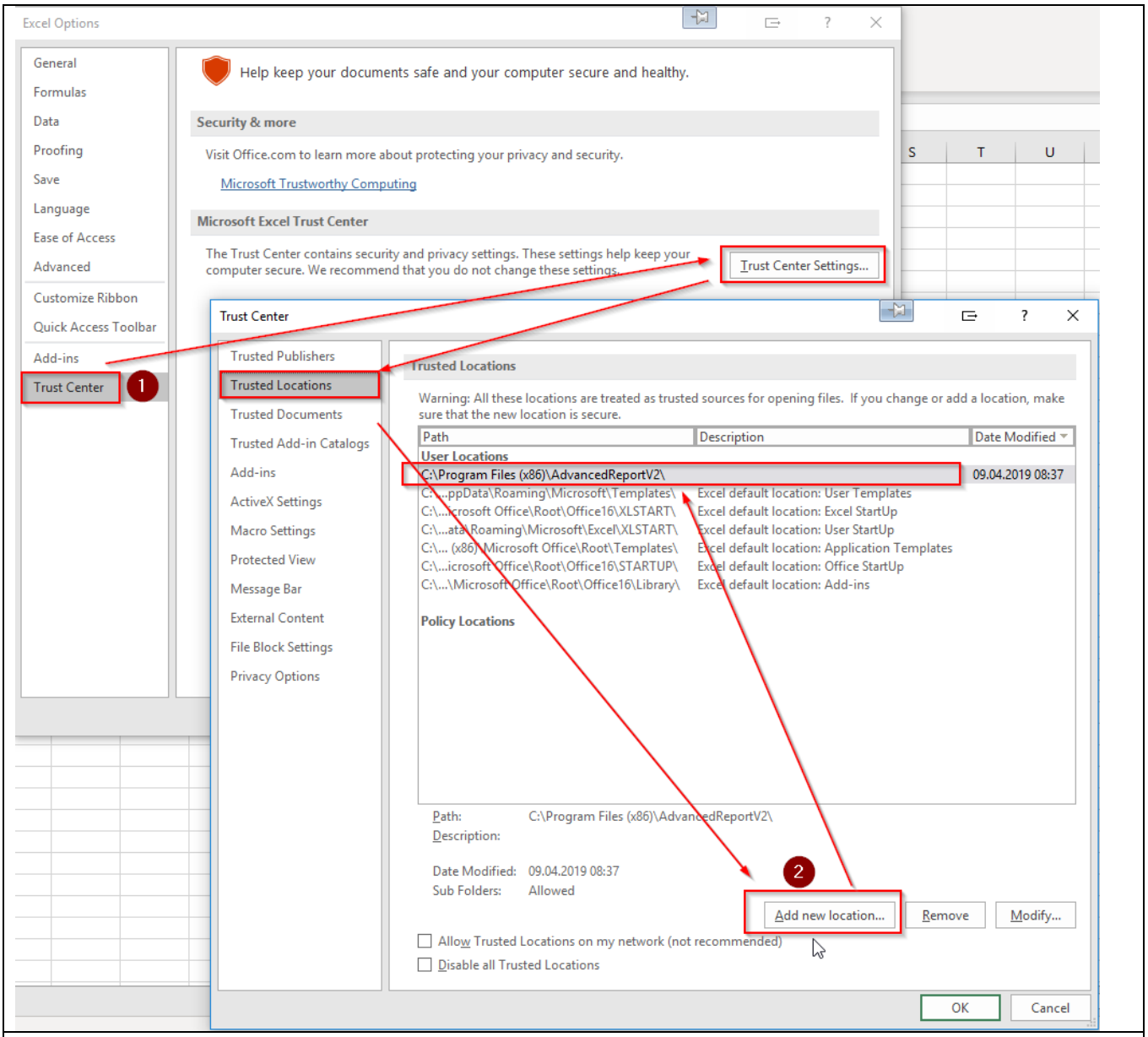
see the LoadBehavior of all COM add-ins. In normal cases, the add-in should be checked and its "Load Behavior" should be “Loaded at Startup”:



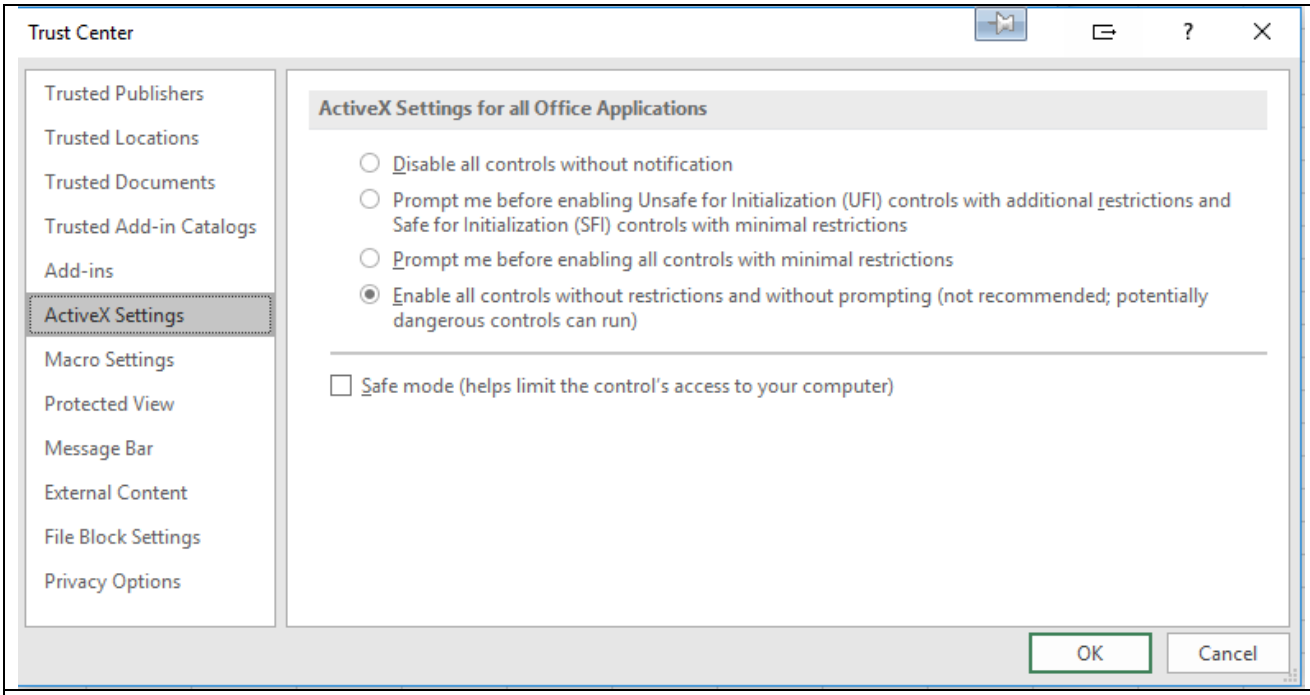


If the VSTO runtime encounters a problem loading the add-in, you’ll see this message instead.

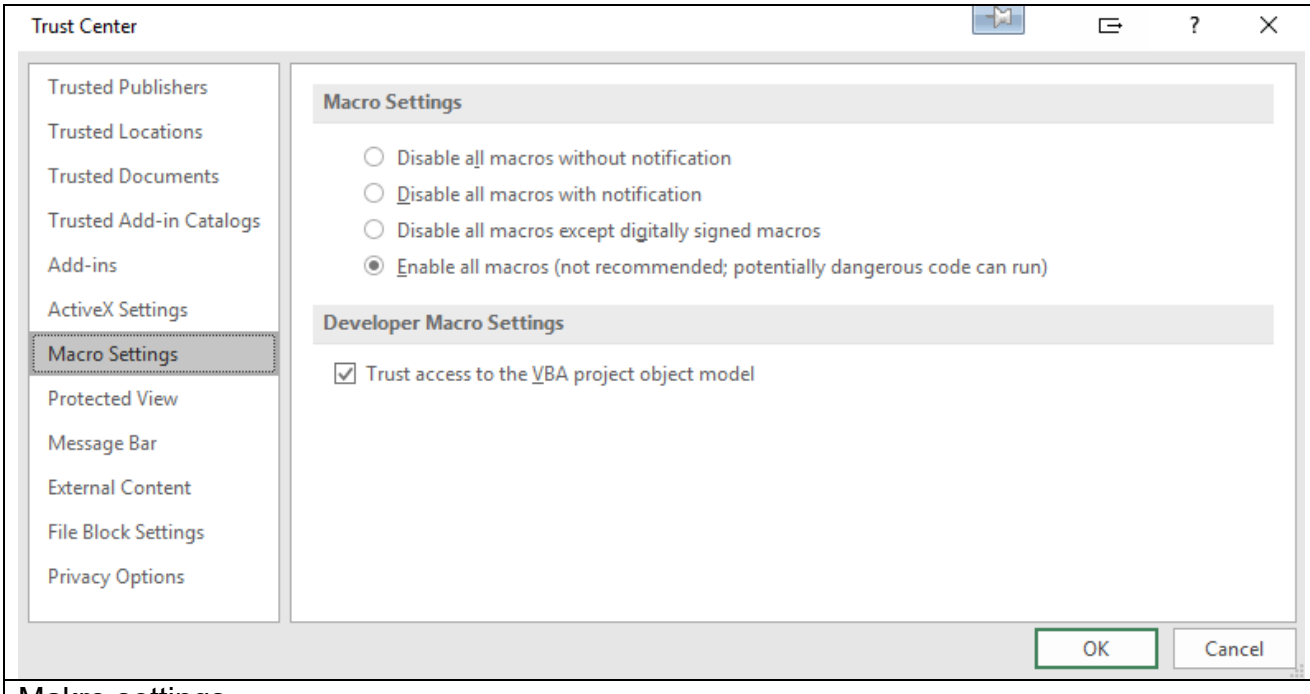
“Load Behavior: Not Loaded. A runtime error occurred during the loading of the COM Add-in”.



Add the Application Path to the trusted location



ActiveX Settings



Makro settings

15.4 Excel Template and running as Service (DCOM COMException (0x80080005)

"mod_main.Main

Error line: 120

System.TypeInitializationException: The type initializer for 'AdvancedReportV2.mod_convertexcelmain' threw an exception. ---> System.UnauthorizedAccessException: Retrieving the COM class factory for component with CLSID {00024500-0000-0000-C000-000000000046} failed due to the following error: 80070005 Access is denied. (Exception from HRESULT: 0x80070005 (E_ACCESSDENIED)).”

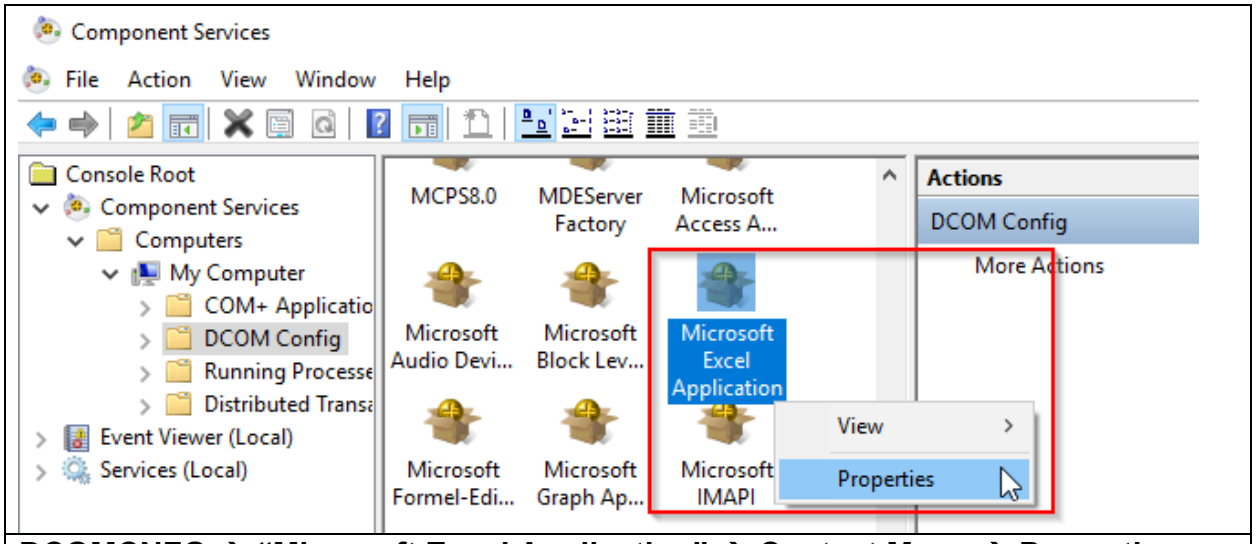
OR:

System.Runtime.InteropServices.COMException (0x80080005): Retrieving the COM class factory for component with CLSID {00024500-0000-0000-C000-000000000046} failed due to the following error: 80080005 Server execution failed (Exception from HRESULT: 0x80080005 (CO_E_SERVER_EXEC_FAILURE)).

at System.Runtime.Remoting.RemotingServices.AllocateUninitializedObject(RuntimeType objectType)

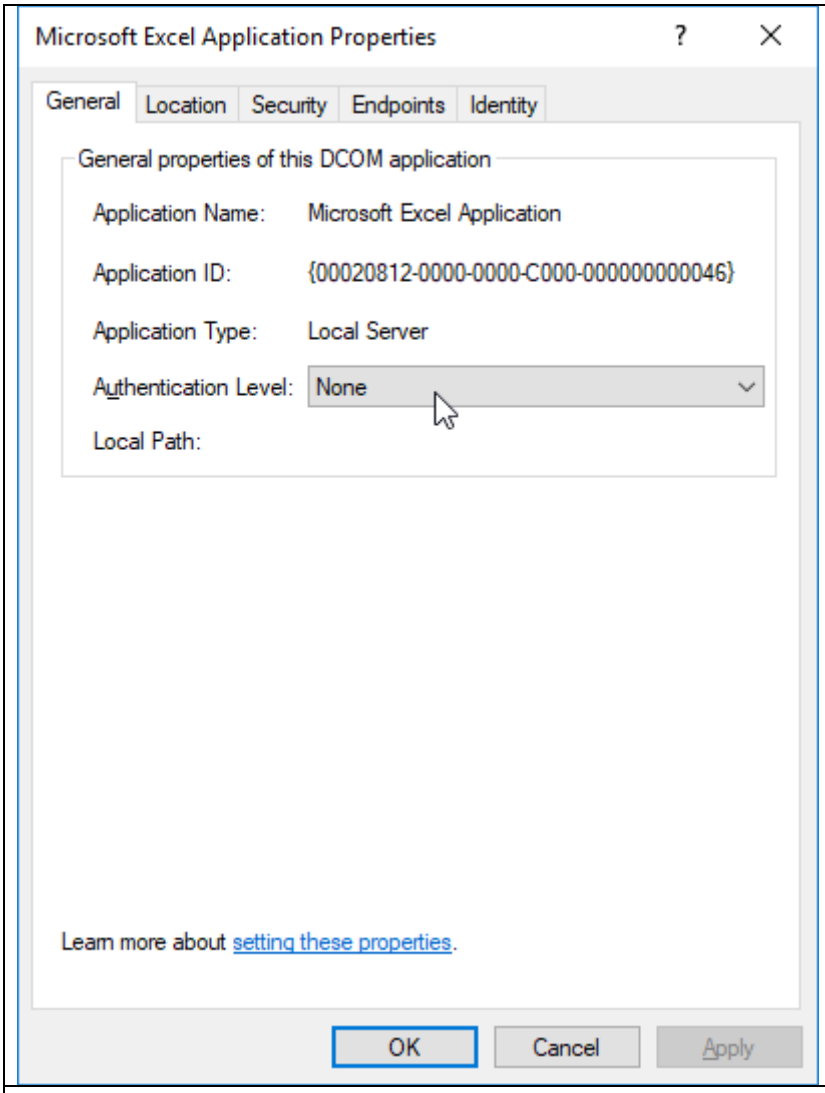
If you get this Error messing in Windows Event Log, please check the following security settings:
Here is this solution 2:

- In **DCOMCNFG**, right click on the **My Computer** and select **properties**.

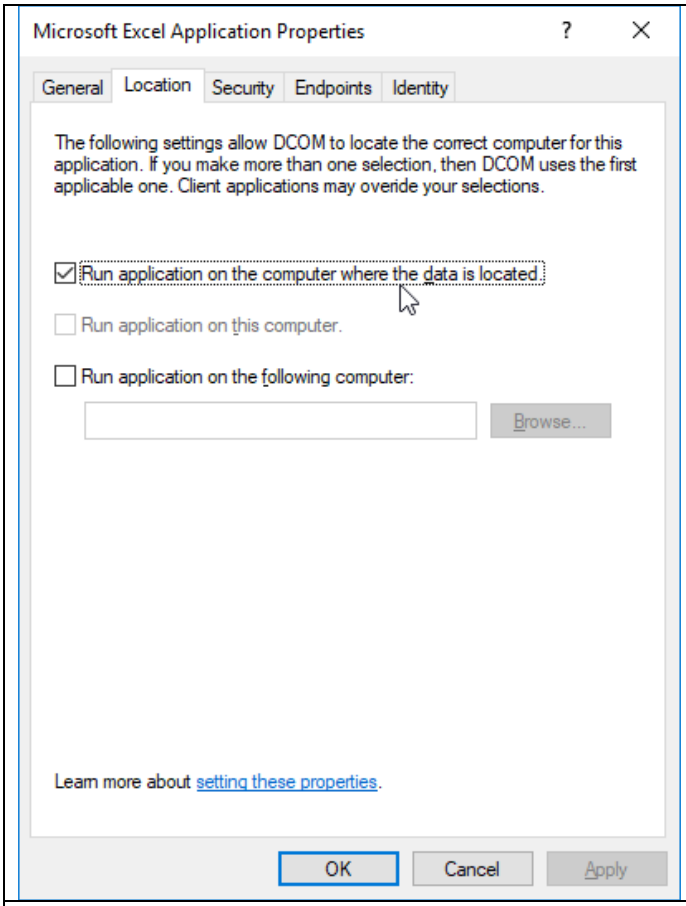


DCOMCNFG → “Microsoft Excel Application” → Context Menu → Properties

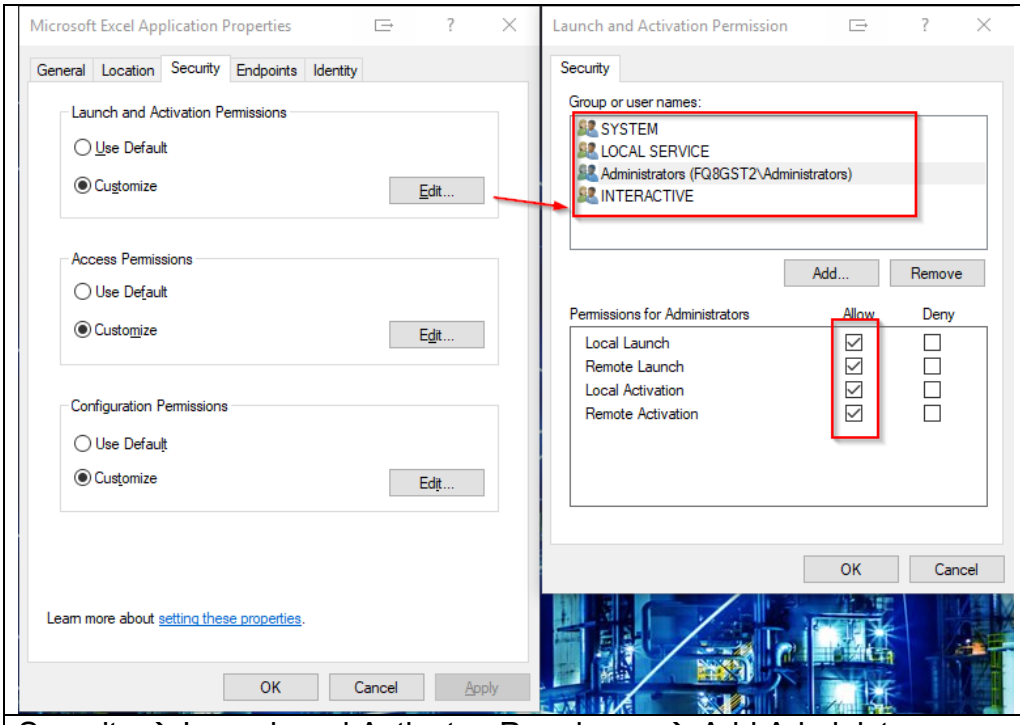
- Choose the **General** tab.



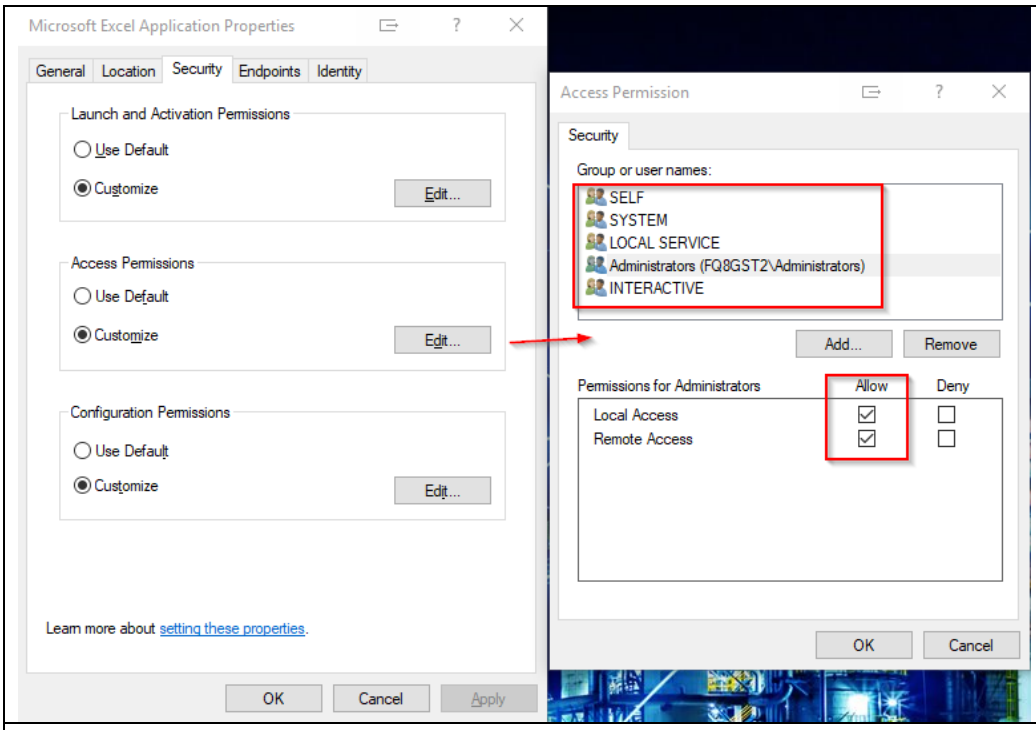
General → set Authentication Level == None



Location → Check “Run application on the computer where the data is located”



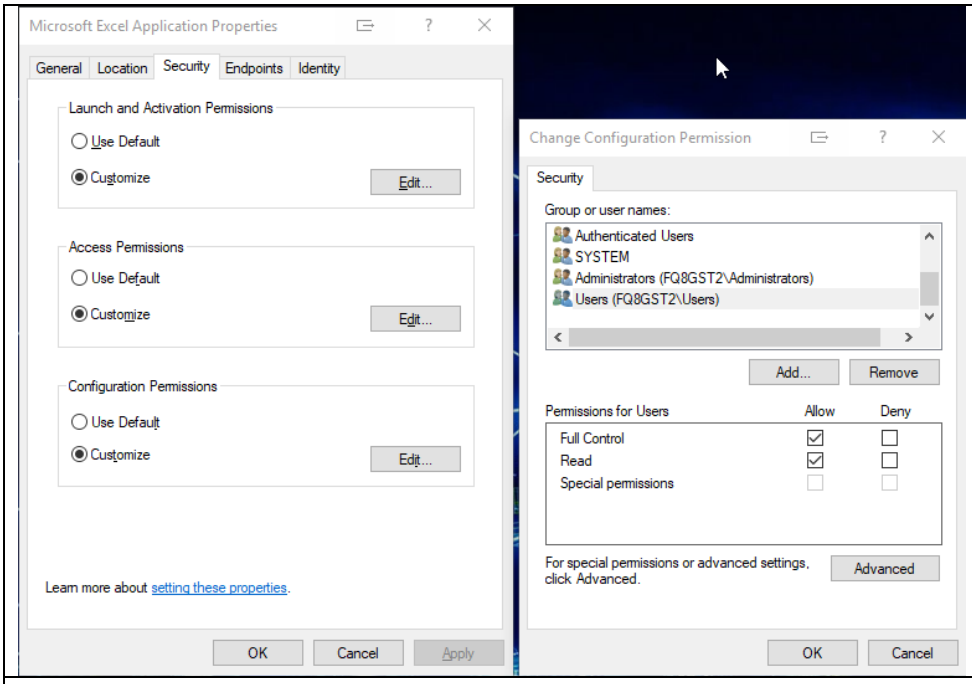
Security → Launch and Activaten Permisson → Add Administrors
➔ Allow all settings for
a. All Local Service / Administrators / INTERACTIVE



Security → Access Permisson → Add Administrors and Allow all settings

➔ Allow all settings for

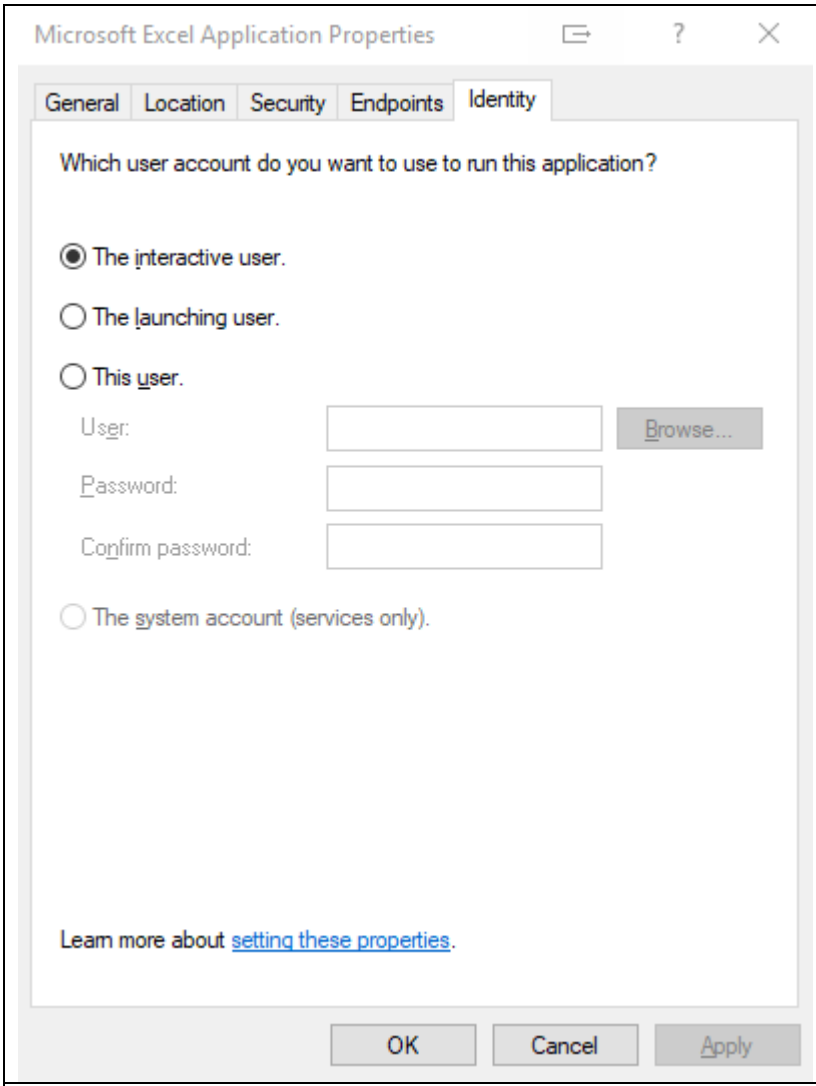
a. All Local Service / Administrators / INTERACTIVE



Security → Configuration Permisson → Add Administrors and Allow all settings

➔ Allow all settings for

a. All Local Service / Administrators / INTERACTIVE



Identity → The Interactive user

15.5 Microsoft KB articles on general Excel troubleshooting

- Excel: How to Troubleshoot Crashing and Not Responding Issues with Excel - https://support.microsoft.com/en-us/kb/2758592
- Excel: How to troubleshoot crashing and not responding issues in an Excel Files - https://support.microsoft.com/en-us/kb/2735548

Microsoft is quite explicit about not expecting any access to the COM object model from either the function wizard, or an .xll worksheet function (async or not): (used to be at https://support.microsoft.com/en-us/kb/301443 but now sadly no longer available...).

"A function that is defined in an XLL can be called under three circumstances:

1. During the recalculation of a workbook

2. As the result of Excel's Function Wizard being called on to help with the XLL function
3. As the result of a VBA macro calling Excel's Application.Run Automation method

Under the first two circumstances, Excel's Object Model does not expect, and is not prepared for, incoming Automation calls. Consequently, unexpected results or crashes may occur.

In order to ensure that they function properly, no Automation calls should be made from an XLL. Instead, all commands to Excel from the XLL should be sent using the Excel4() C API."

16. Appendix

16.1 Reporting Deactivation and activation

To deactivate a reporting temporary you will find two files at the installation folder.

- ENABLE_Reporting.vbs
- DISABLE_Reporting.vbs

At these files you have to set the Report Project Name.

If the reporting is deactivated, the new data files will be move to the target file destination. So the software will be work, but no report is created.