EAGLEYE RSD USER MANUAL

Eagleye® RSD (Runtime Scada Designer) is a 100% local and national Scada Design Program.

Eagleye RSD Pages

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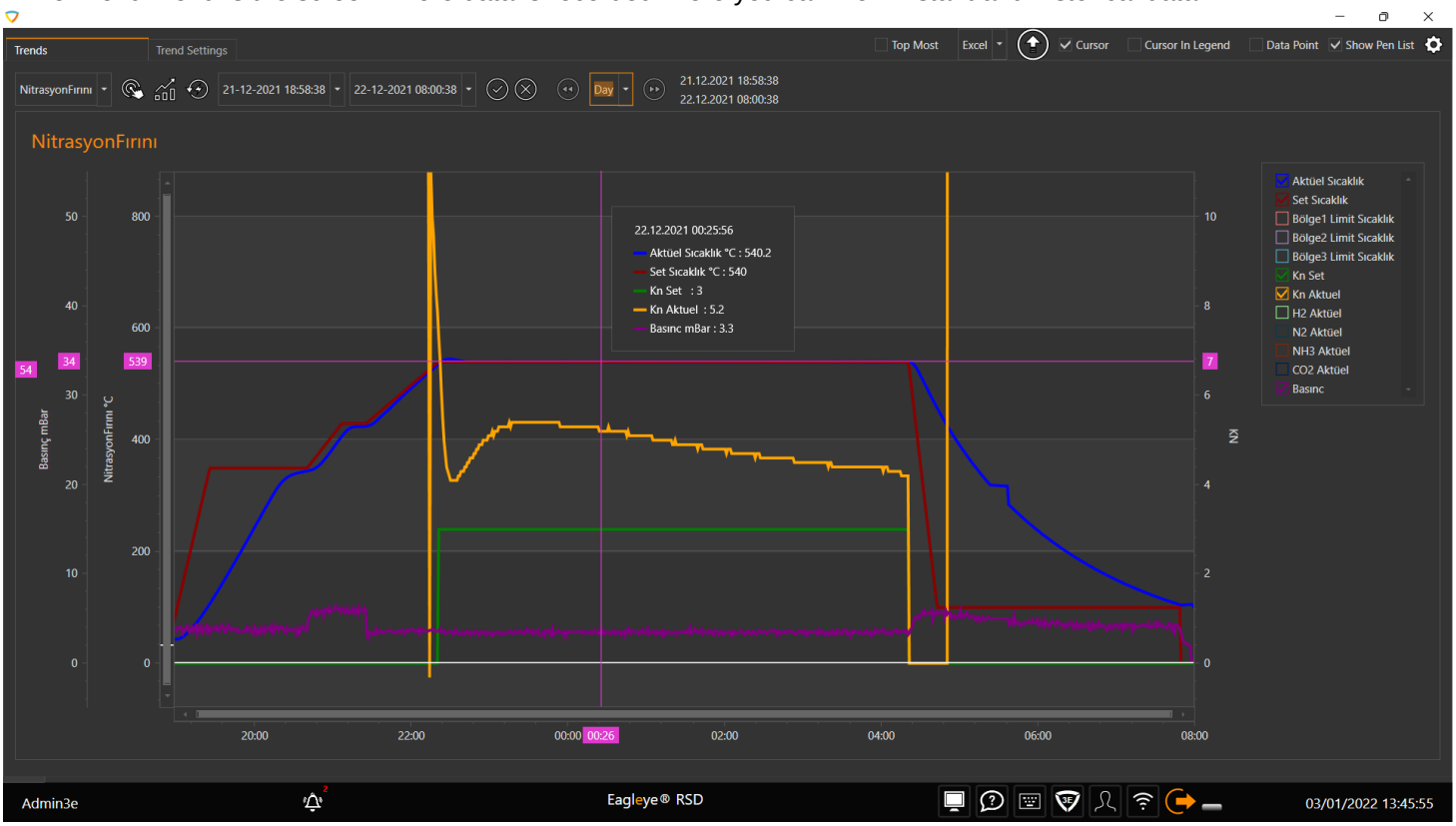
TRENDS

The Trend Menu is the screen where data is recorded. Here you can view instant and historical data.



SHOW HISTORY TRENDS

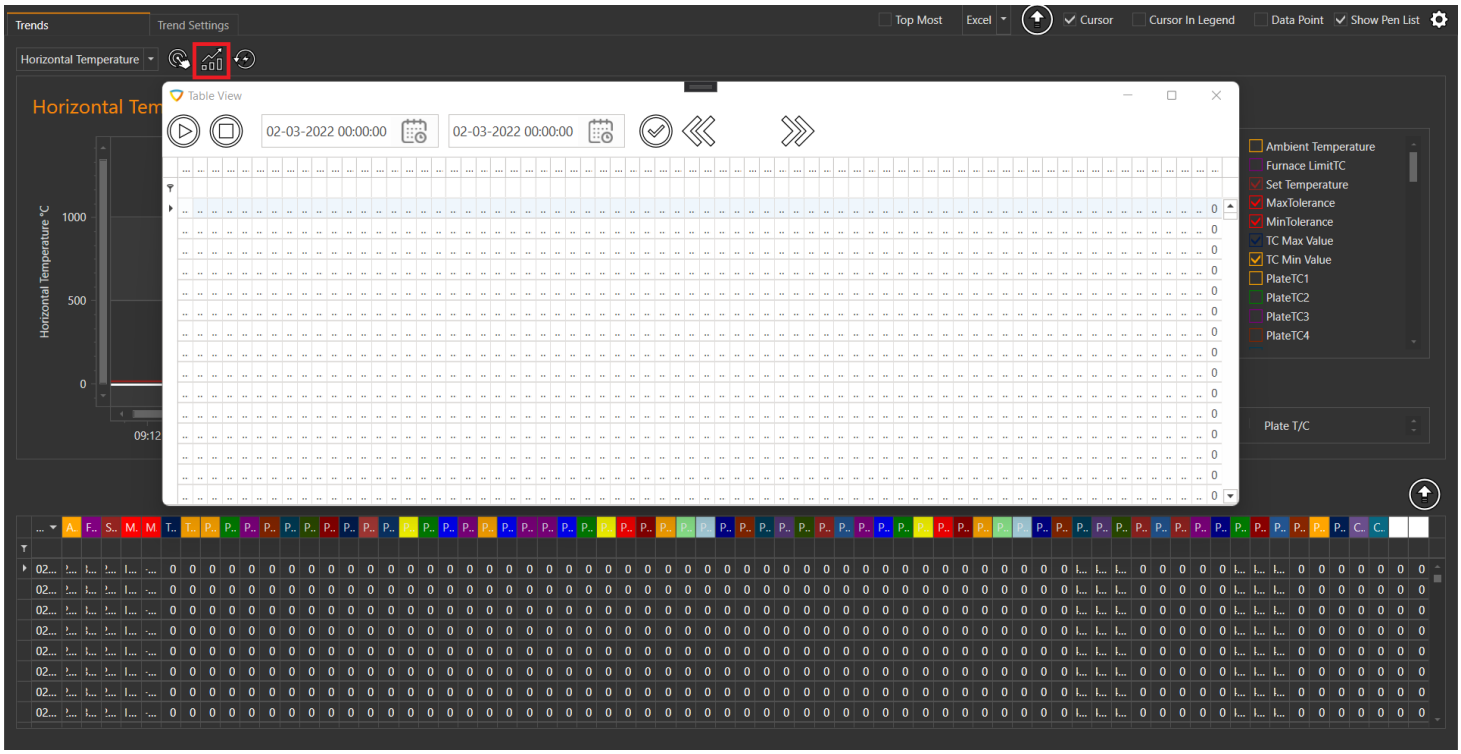
You can view the data between two Dates hourly, daily, monthly and yearly.

TREND REPORT

You can export the this data to excel, pdf, imgage.

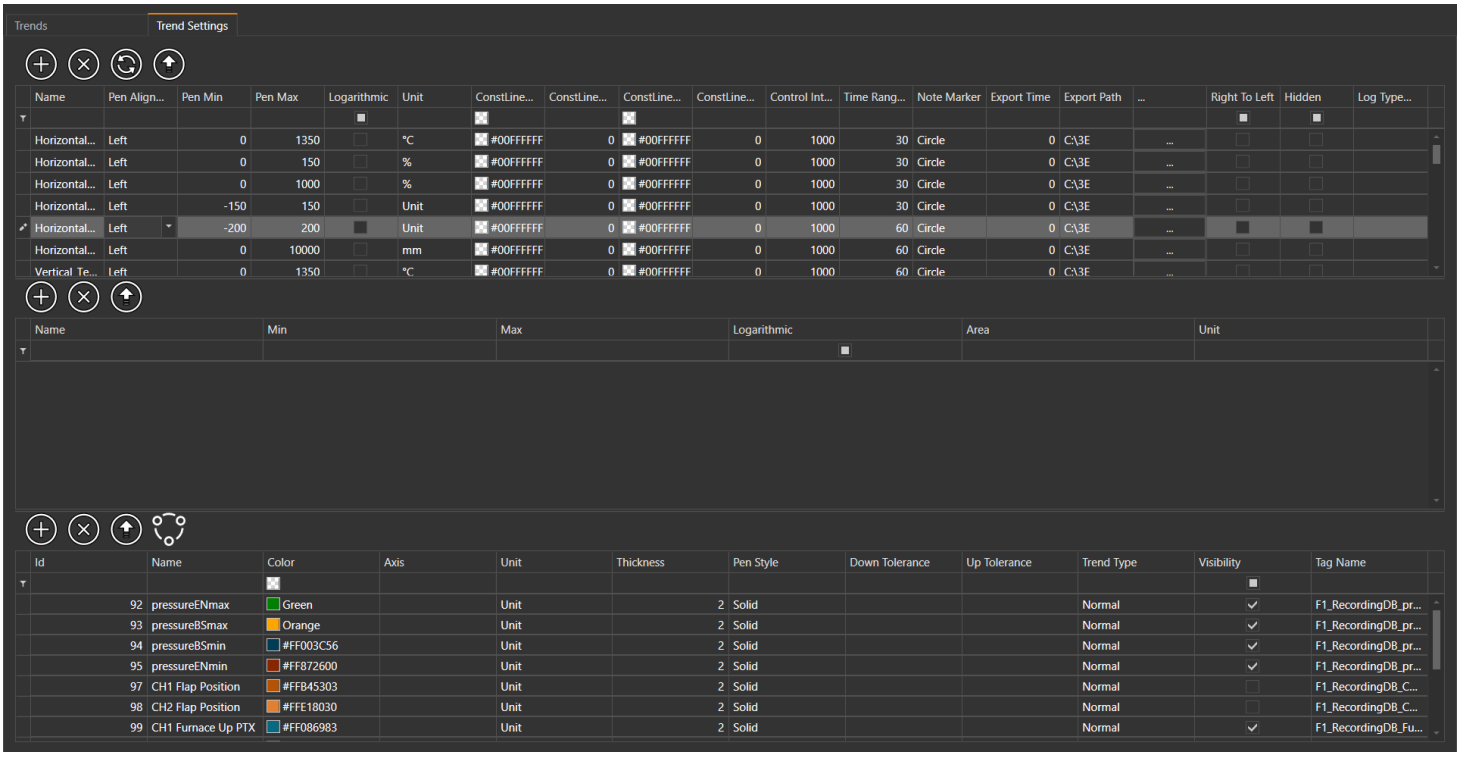
TABLE VİEW

With the Table View button, it is ensured that the corresponding values of the pens are displayed in a tabular form as follows, apart from the trend depending on time.



TREND SETTINGS

Trend Settings is the section where operations such as adding new Trends, deleting existing Trends, updating, adding new Pen, deleting existing Penes, updating.



While Adding a New Trend;

- Name
- Direction
- Left Min
- Left Max
- Logaritmic
- Unit
- Fixed Line Min. Color
-
-

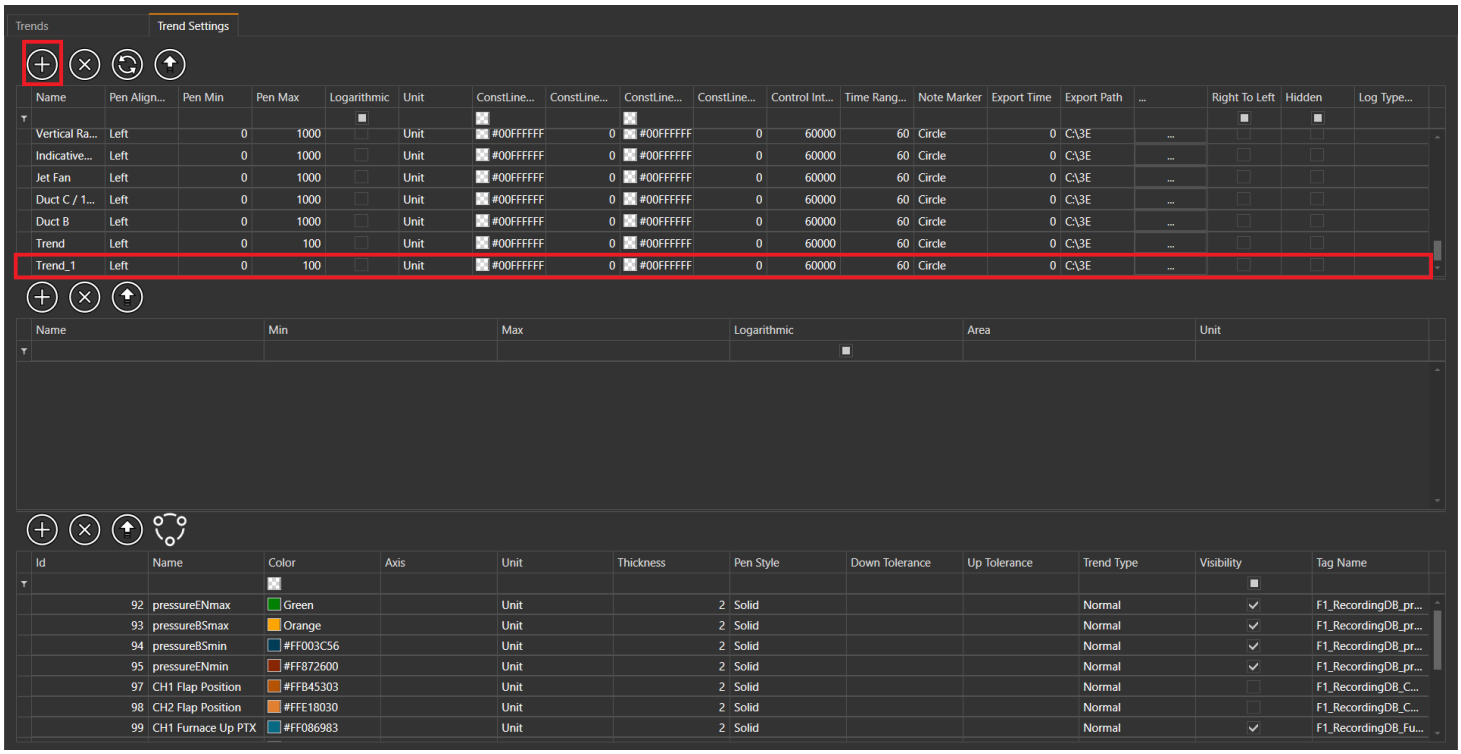
Fixed Line Min Value
Fixed Line Max.Color
Fixed Line Max Value
Recording Frequency(ms)
Control Frequency (ms)
Timeframe (ms)

- Not Marker
- Output Time (dk)
- Output Path

weenterthevalues.

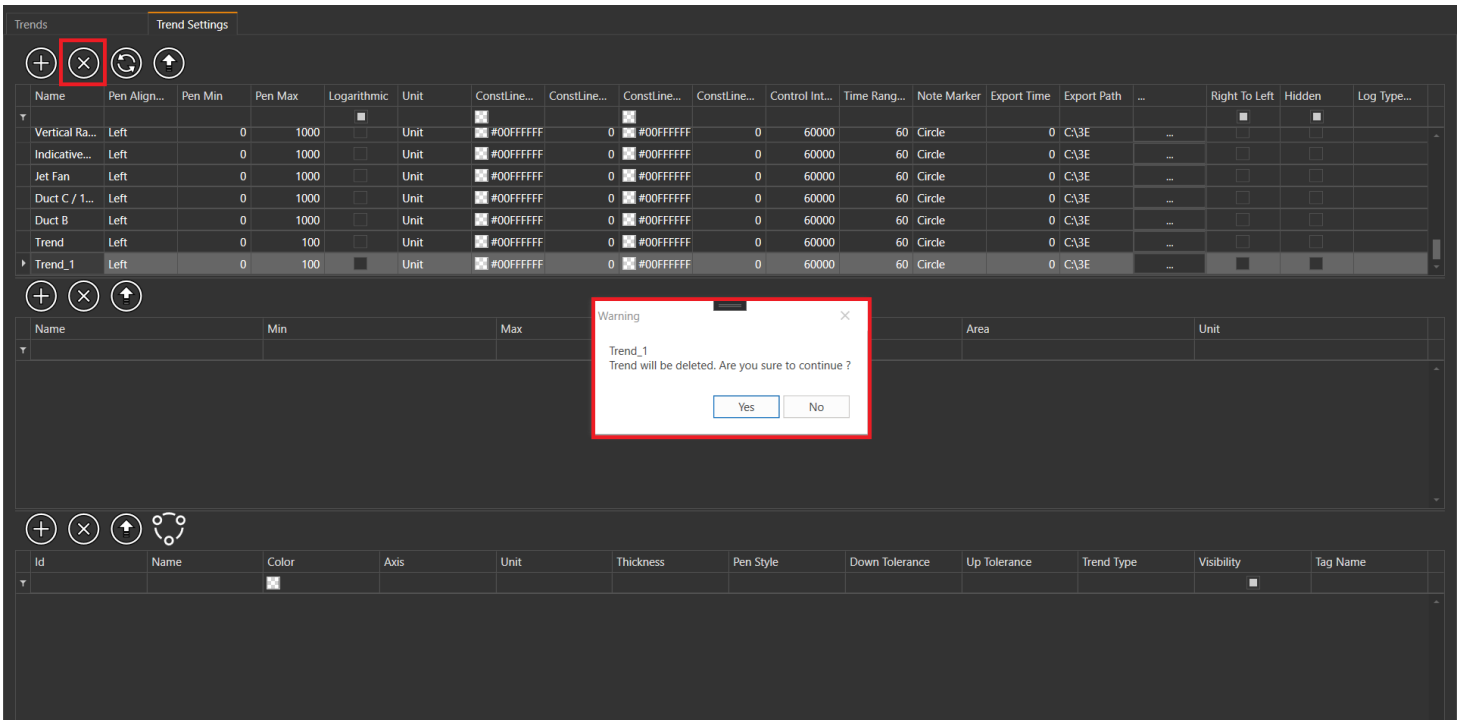
ADDING TREND

To add a new TREND, press the button with the plus (+) sign so a new TREND is added as in the figure below.



DELETING A TREND

To delete an existing TREND, press the button with the cross (x) sign. When the button is pressed, "Are you sure?"
A warning will appear.



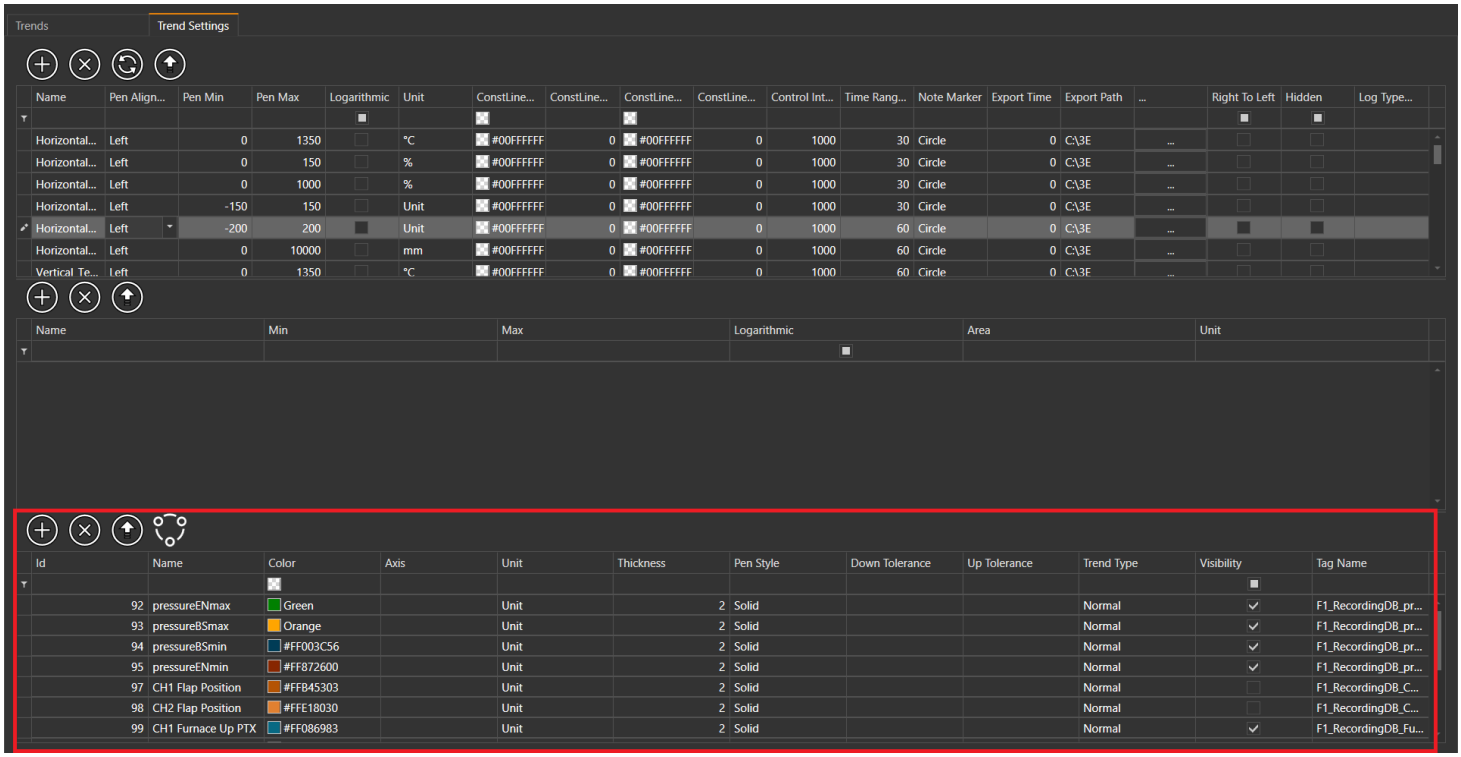
If approval is given, the selected TREND will be deleted.

PENS

Pens are the recorded tag and pens are the elements that make up the Trends. Trend graphics are drawn according to the values of the pen value.

PEN SETTINGS

Pen Settings is the section where operations such as adding new Pen, deleting existing Pen, updating, adding new Pen, deleting existing Pen, updating.



While Adding a New Pen;

- Name
- Alignment
- Unit
- Thickness
- Type (Solid, Dash, DashDot ie Straight, Striped and Dotted Lines)
- Sub Tolerance
- Top Tolerance
- Trend Type
- Peni Göster
- Tag Name

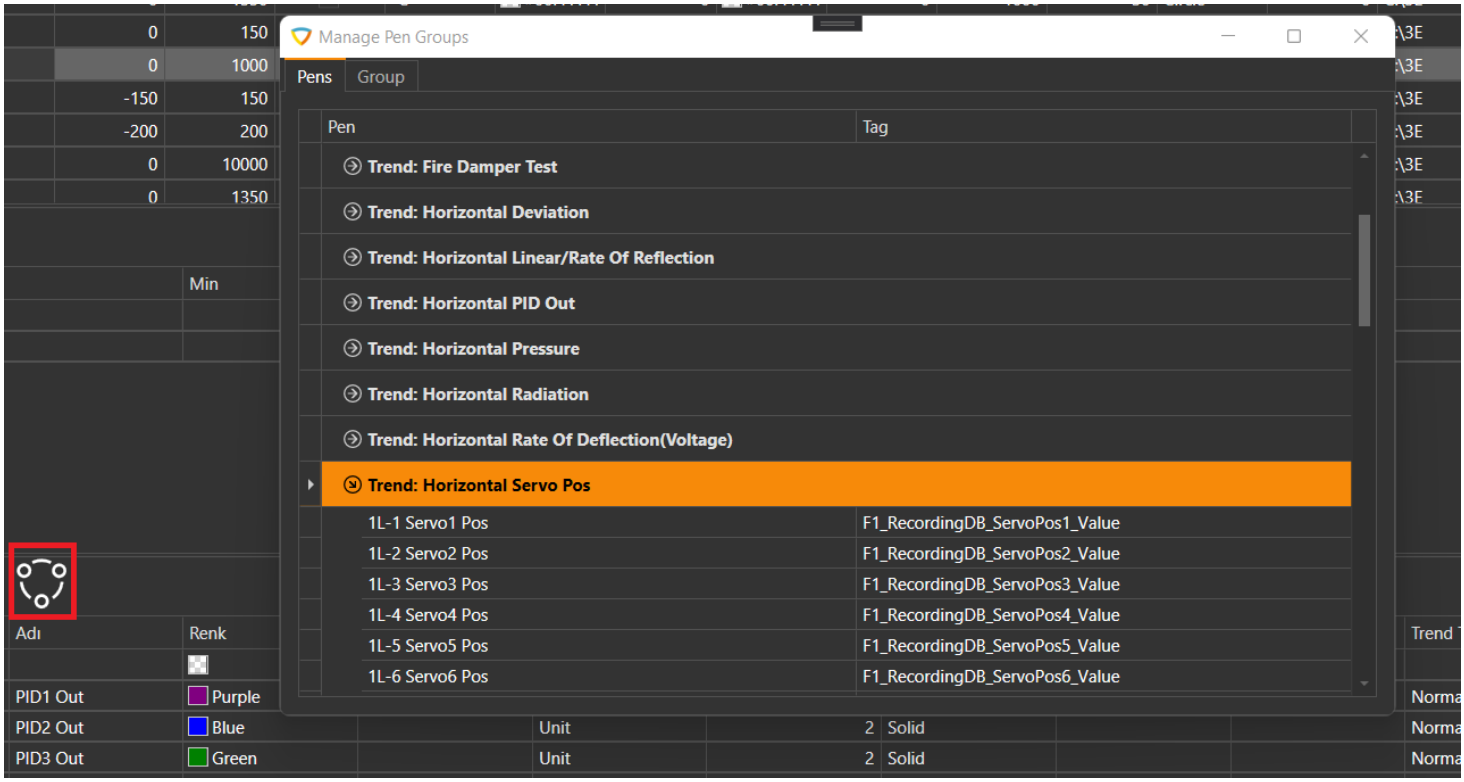
we enter the values.

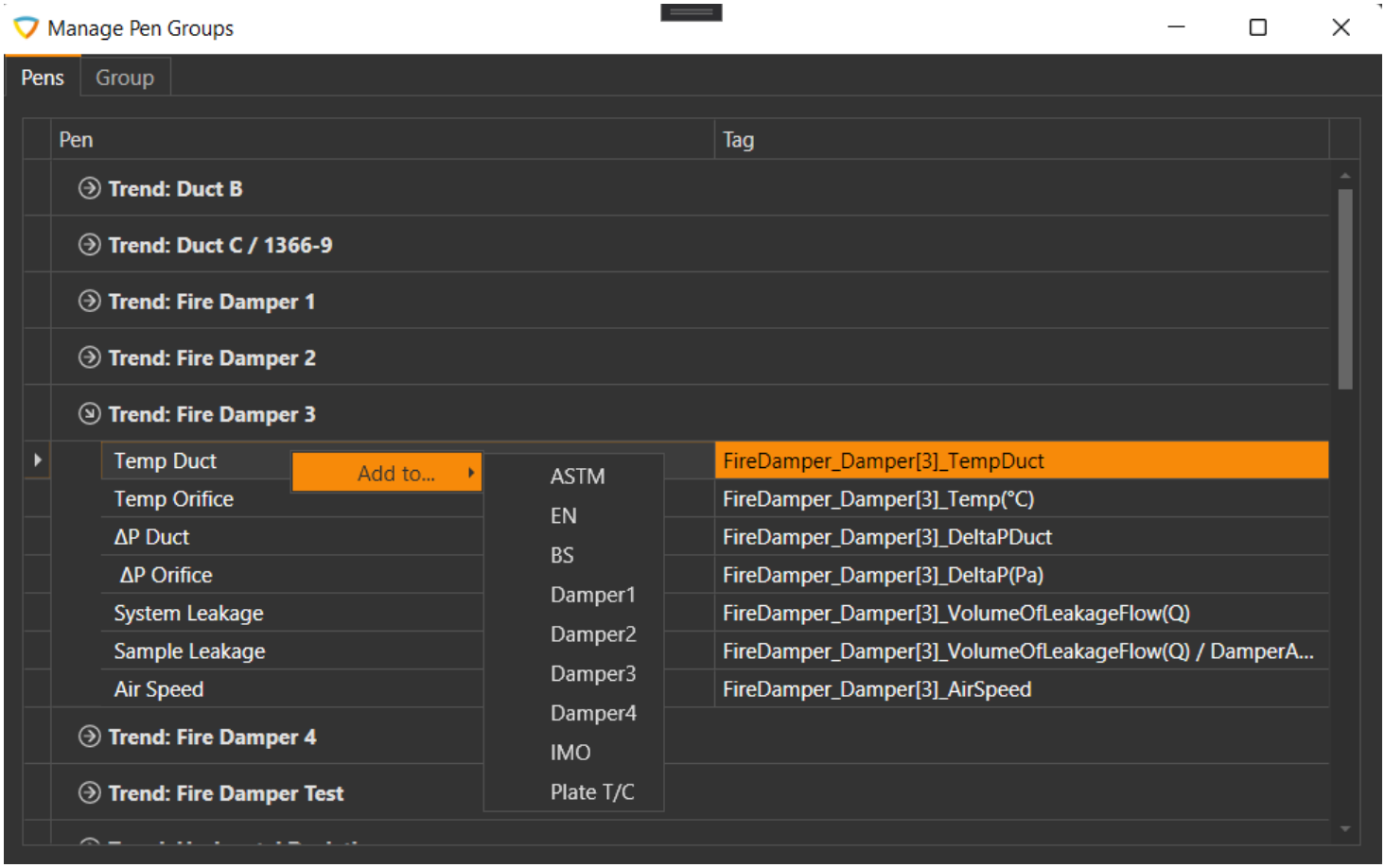
ADD PEN

To add a new PEN, press the button with the plus (+) sign so a new PEN is added as in the figure below.

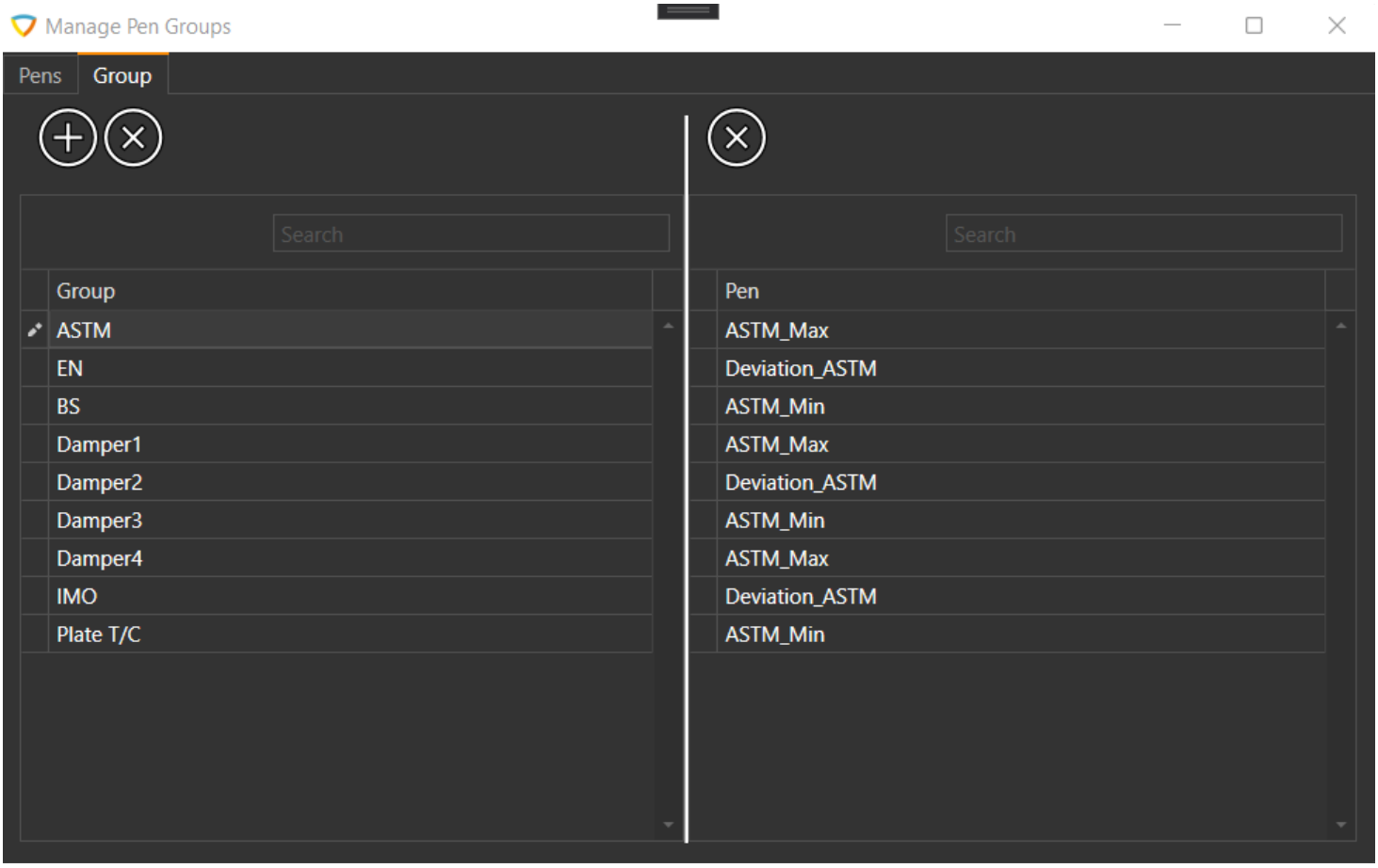
PEN GROUP

This is the page where group settings related to PEN are made when the button marked below is clicked. Here we can see the list of trends and if we want to add more pen in it we can add.

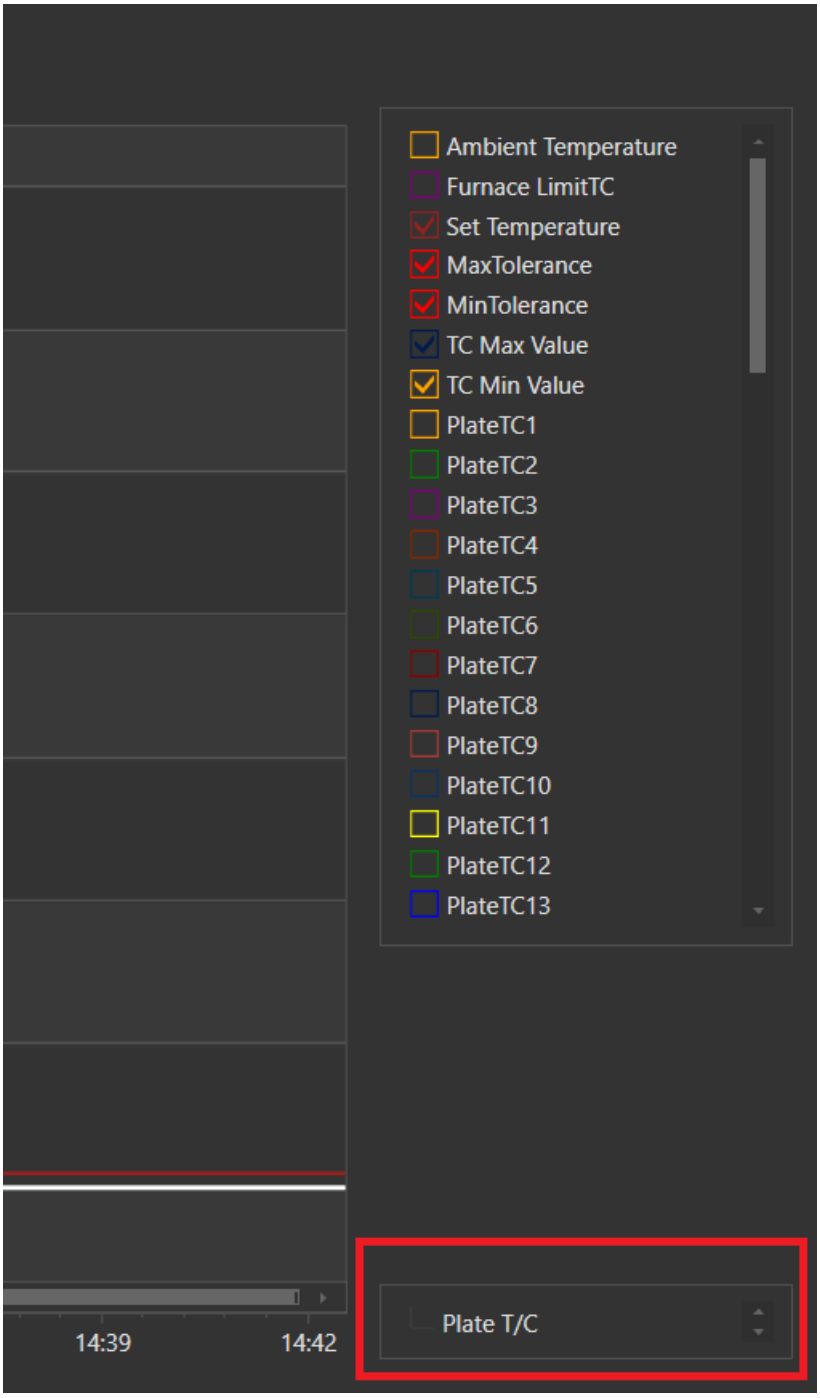




The part where the group settings will be made is as follows.



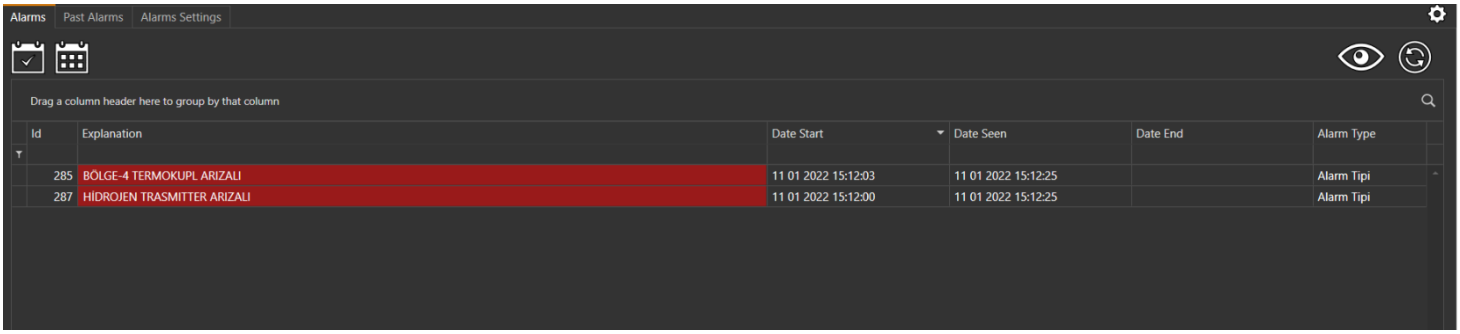
After making all the settings here, when we open the relevant trend on the TREND screen, we see the design related to this group will come out.



If this group is checked, the pens belonging to this group will be marked. There is no need to mark one by one.

ALARMS

Alarms module is an RSD module where existing alarms are listed, new alarms are added, alarms can be marked as seen, and alarms between certain dates can be displayed.



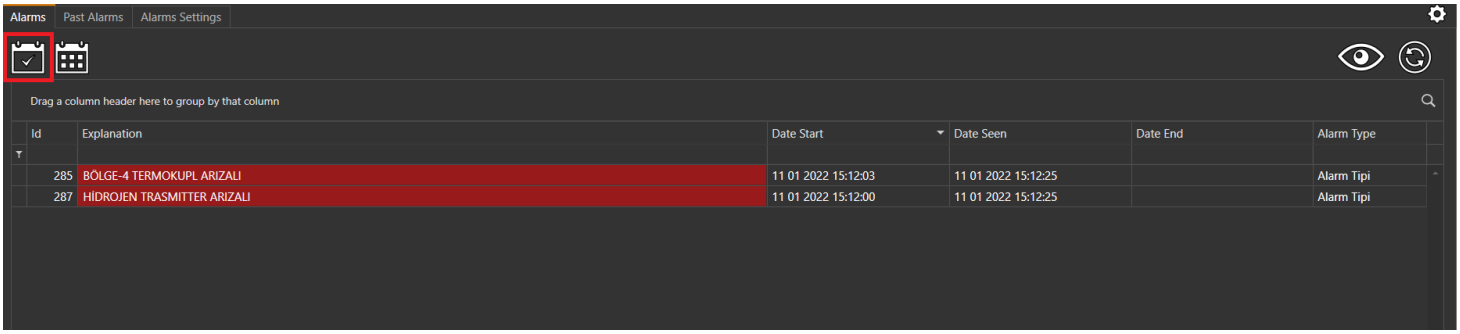
Alarms are

- Explanation
- Start Date (Date The Alarm Starts)
- Date Seen (Date of the Alarm)
- End Date (Alarm End Date)
- Alarm Type

consist of sections.

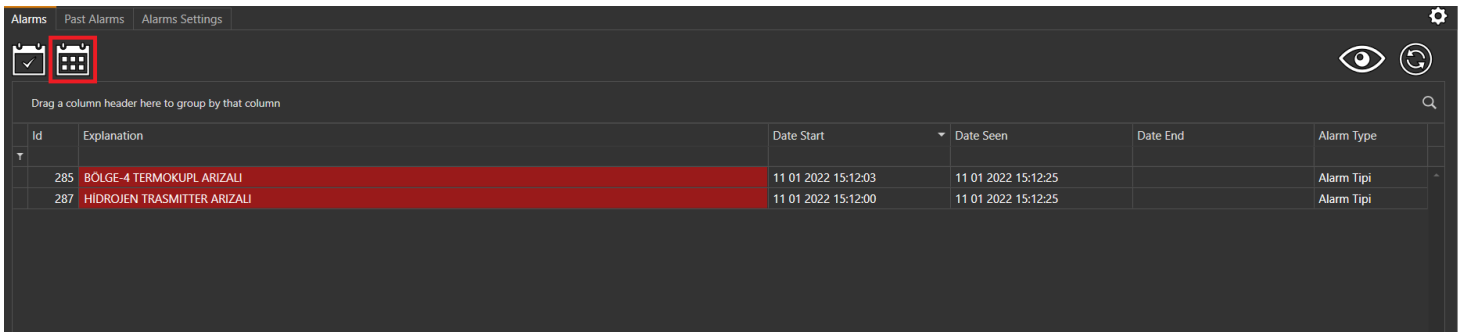
MARK AS SEEN

It is the button that allows the selected setting to be marked as "Seen" from the settings in the alarm list.



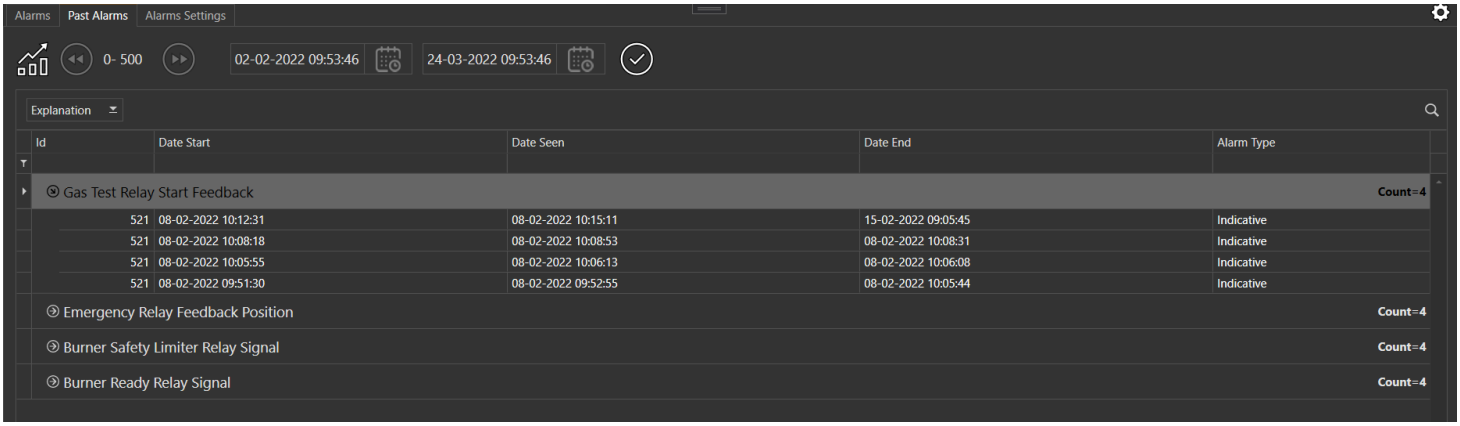
MARK AS ALL SEEN

It is the button that allows the settings in the alarm list to be marked as "All Viewed".



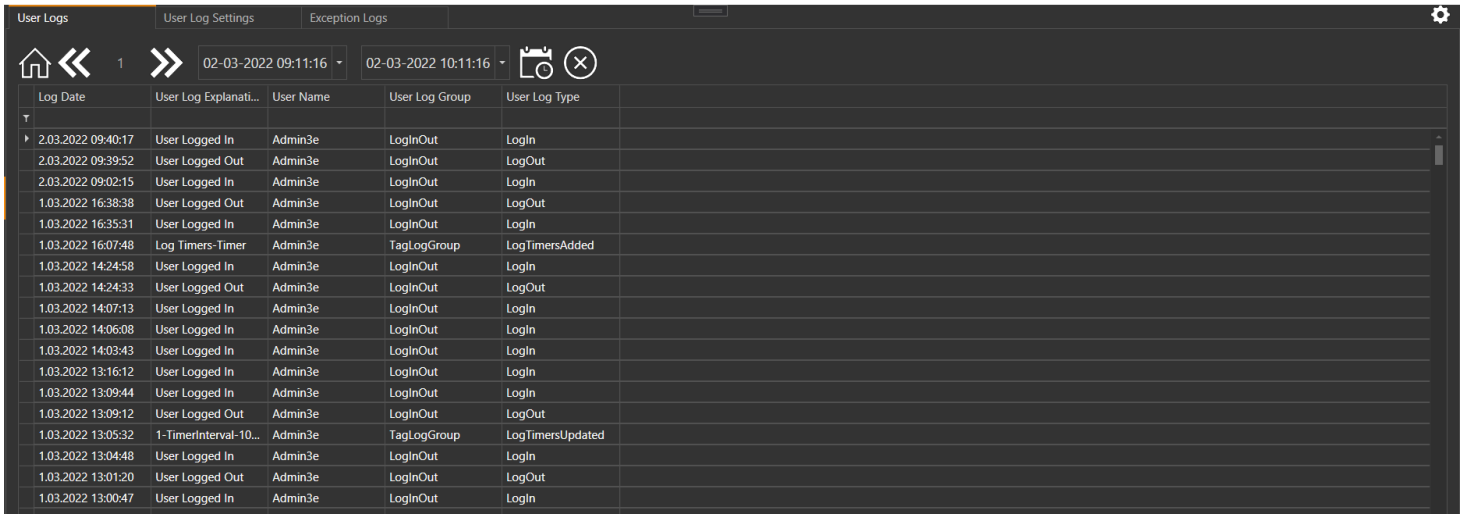
PAST ALARMS

It is the section where "Historical Alarms" are listed between certain dates.


Alarms
Past Alarms
Alarms Settings
0- 500
02-02-2022 09:53:46
24-03-2022 09:53:46
Explanation
Id
Date Start
Date Seen
Date End
Alarm Type
Gas Test Relay Start Feedback
Count=4
521 08-02-2022 10:12:31 08-02-2022 10:15:11 15-02-2022 09:05:45 Indicative
521 08-02-2022 10:08:18 08-02-2022 10:08:53 08-02-2022 10:08:31 Indicative
521 08-02-2022 10:05:55 08-02-2022 10:06:13 08-02-2022 10:06:08 Indicative
521 08-02-2022 09:51:30 08-02-2022 09:52:55 08-02-2022 10:05:44 Indicative
Emergency Relay Feedback Position
Count=4
Burner Safety Limiter Relay Signal
Count=4
Burner Ready Relay Signal
Count=4

USERLOGS

"Userlogs" module is the section where user log records are displayed as a list between selected dates.



Log Date	User Log Explanati...	User Name	User Log Group	User Log Type
2.03.2022 09:40:17	User Logged In	Admin3e	LogInOut	LogIn
2.03.2022 09:39:52	User Logged Out	Admin3e	LogInOut	LogOut
2.03.2022 09:02:15	User Logged In	Admin3e	LogInOut	LogIn
1.03.2022 16:38:38	User Logged Out	Admin3e	LogInOut	LogOut
1.03.2022 16:35:31	User Logged In	Admin3e	LogInOut	LogIn
1.03.2022 16:07:48	Log Timers-Timer	Admin3e	TagLogGroup	LogTimersAdded
1.03.2022 14:24:58	User Logged In	Admin3e	LogInOut	LogIn
1.03.2022 14:24:33	User Logged Out	Admin3e	LogInOut	LogOut
1.03.2022 14:07:13	User Logged In	Admin3e	LogInOut	LogIn
1.03.2022 14:06:08	User Logged In	Admin3e	LogInOut	LogIn
1.03.2022 14:03:43	User Logged In	Admin3e	LogInOut	LogIn
1.03.2022 13:16:12	User Logged In	Admin3e	LogInOut	LogIn
1.03.2022 13:09:44	User Logged In	Admin3e	LogInOut	LogIn
1.03.2022 13:09:12	User Logged Out	Admin3e	LogInOut	LogOut
1.03.2022 13:05:32	1-TimerInterval-10...	Admin3e	TagLogGroup	LogTimersUpdated
1.03.2022 13:04:48	User Logged In	Admin3e	LogInOut	LogIn
1.03.2022 13:01:20	User Logged Out	Admin3e	LogInOut	LogOut
1.03.2022 13:00:47	User Logged In	Admin3e	LogInOut	LogIn

User Records Listed

- Registration date (User
- login time) User
- registration name User registration description User name

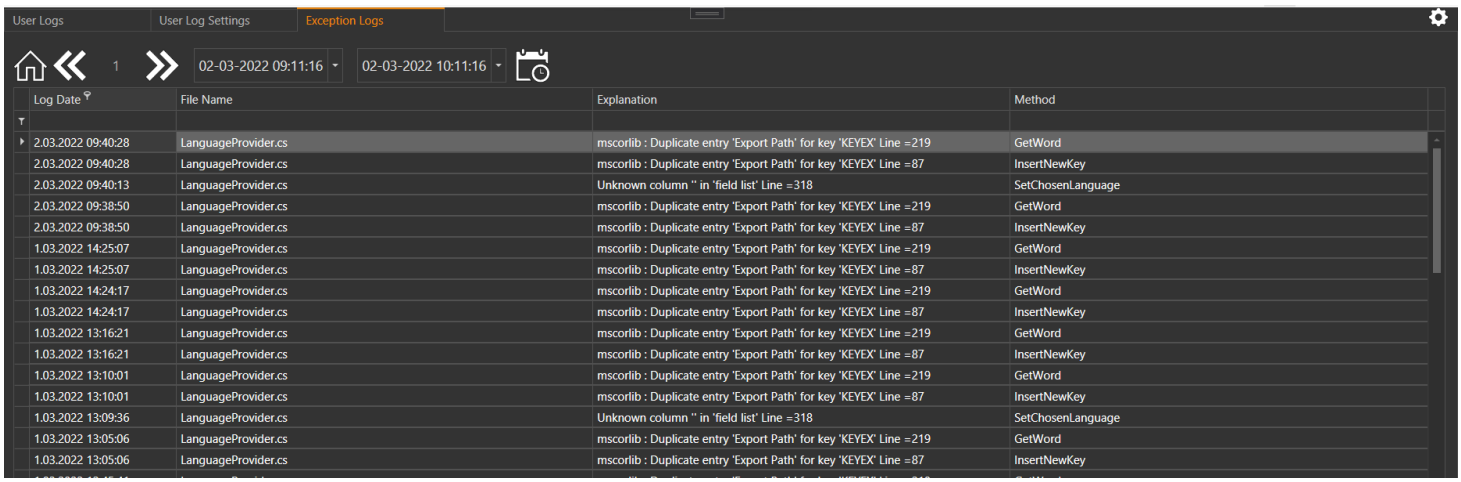
consists of sections.

USER LOG SETTINGS

User can add "Log Group" and "Log Type" related to this group. As a result of the operations performed according to the recorded groups and types, those transactions were created to be added to the logs.

EXCEPTION LOGS

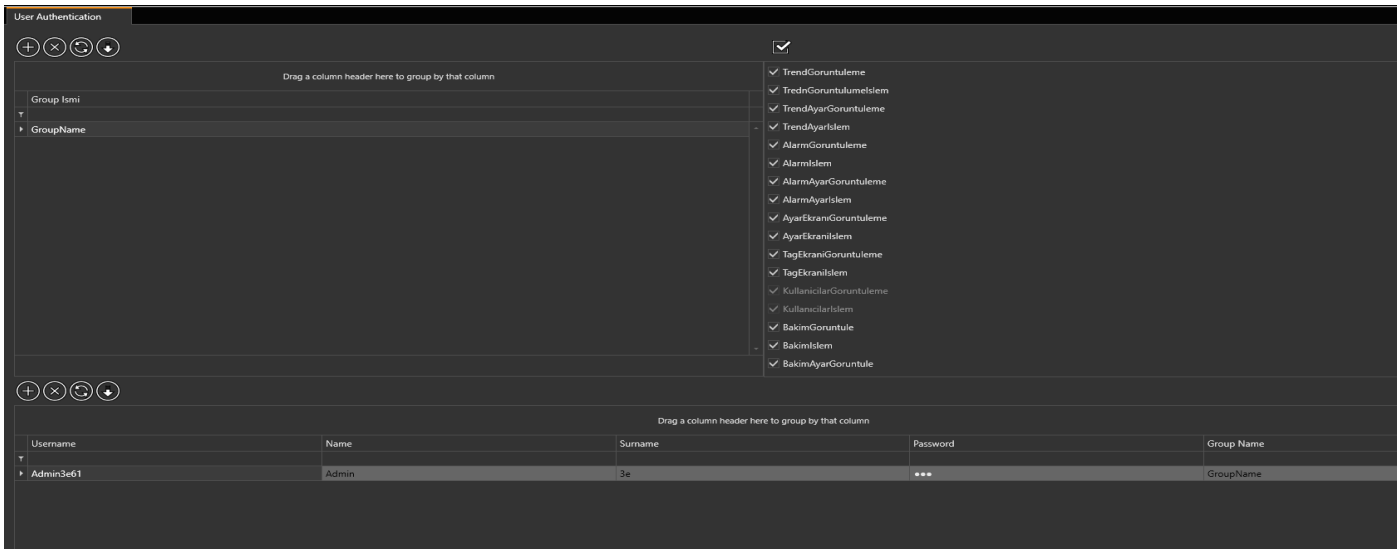
Error records of the transactions made are kept on this page. Here, the user can examine these error codes with certain date ranges.



Log Date	File Name	Explanation	Method
2.03.2022 09:40:28	LanguageProvider.cs	mscorlib : Duplicate entry 'Export Path' for key 'KEYEX' Line =219	GetWord
2.03.2022 09:40:28	LanguageProvider.cs	mscorlib : Duplicate entry 'Export Path' for key 'KEYEX' Line =87	InsertNewKey
2.03.2022 09:40:13	LanguageProvider.cs	Unknown column '' in 'field list' Line =318	SetChosenLanguage
2.03.2022 09:38:50	LanguageProvider.cs	mscorlib : Duplicate entry 'Export Path' for key 'KEYEX' Line =219	GetWord
2.03.2022 09:38:50	LanguageProvider.cs	mscorlib : Duplicate entry 'Export Path' for key 'KEYEX' Line =87	InsertNewKey
1.03.2022 14:25:07	LanguageProvider.cs	mscorlib : Duplicate entry 'Export Path' for key 'KEYEX' Line =219	GetWord
1.03.2022 14:25:07	LanguageProvider.cs	mscorlib : Duplicate entry 'Export Path' for key 'KEYEX' Line =87	InsertNewKey
1.03.2022 14:24:17	LanguageProvider.cs	mscorlib : Duplicate entry 'Export Path' for key 'KEYEX' Line =219	GetWord
1.03.2022 14:24:17	LanguageProvider.cs	mscorlib : Duplicate entry 'Export Path' for key 'KEYEX' Line =87	InsertNewKey
1.03.2022 13:16:21	LanguageProvider.cs	mscorlib : Duplicate entry 'Export Path' for key 'KEYEX' Line =219	GetWord
1.03.2022 13:16:21	LanguageProvider.cs	mscorlib : Duplicate entry 'Export Path' for key 'KEYEX' Line =87	InsertNewKey
1.03.2022 13:10:01	LanguageProvider.cs	mscorlib : Duplicate entry 'Export Path' for key 'KEYEX' Line =219	GetWord
1.03.2022 13:10:01	LanguageProvider.cs	mscorlib : Duplicate entry 'Export Path' for key 'KEYEX' Line =87	InsertNewKey
1.03.2022 13:09:36	LanguageProvider.cs	Unknown column '' in 'field list' Line =318	SetChosenLanguage
1.03.2022 13:05:06	LanguageProvider.cs	mscorlib : Duplicate entry 'Export Path' for key 'KEYEX' Line =219	GetWord
1.03.2022 13:05:06	LanguageProvider.cs	mscorlib : Duplicate entry 'Export Path' for key 'KEYEX' Line =87	InsertNewKey

USERS

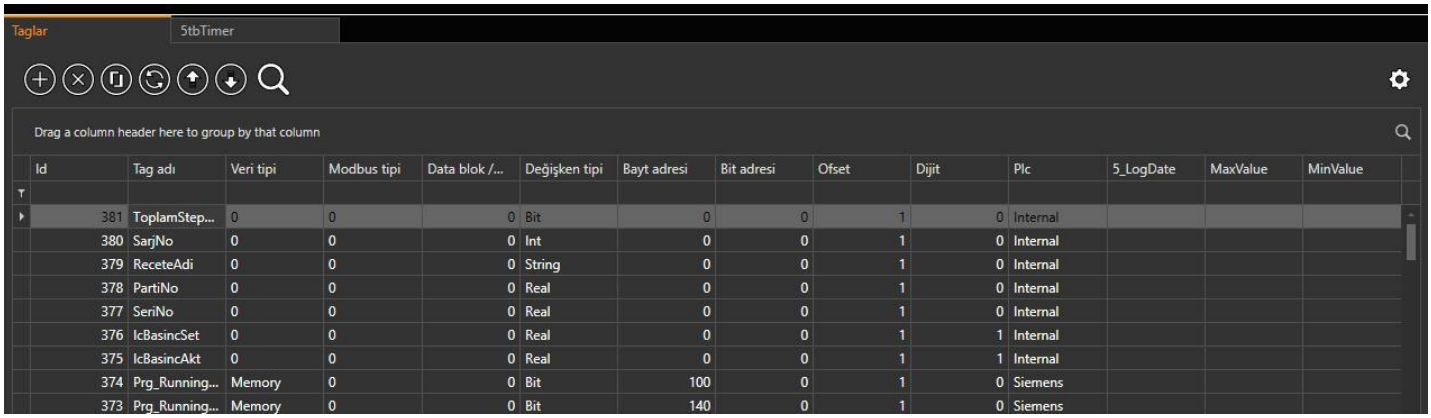
The "Users" module is a list where users with access to the program are listed, groups / users have access to the modules, adding a new group / user, or deleting, updating the existing groups / users, and creating and saving the existing group / user list. It is the module where the transactions are made.



TAGS

Tags are the most important elements that provide communication between furnace and "Eagleye RSD" software.

The "Tags Page" lists the existing tags. On this page, "Add new tags", "Delete tags", "Convert the Tag list to excel file" operations are performed.



Id	Tag adı	Veri tipi	Modbus tipi	Data blok /...	Değişken tipi	Bayt adresi	Bit adresi	Ofset	Dijit	Plc	5_LogDate	MaxValue	MinValue
381	ToplamStep...	0	0	0	Bit	0	0	1	0	Internal			
380	SarjNo	0	0	0	Int	0	0	1	0	Internal			
379	ReceteAdi	0	0	0	String	0	0	1	0	Internal			
378	PartiNo	0	0	0	Real	0	0	1	0	Internal			
377	SeriNo	0	0	0	Real	0	0	1	0	Internal			
376	IcBasincSet	0	0	0	Real	0	0	1	1	Internal			
375	IcBasincAkt	0	0	0	Real	0	0	1	1	Internal			
374	Prg_Running...	Memory	0	0	Bit	100	0	1	0	Siemens			
373	Prg_Running...	Memory	0	0	Bit	140	0	1	0	Siemens			

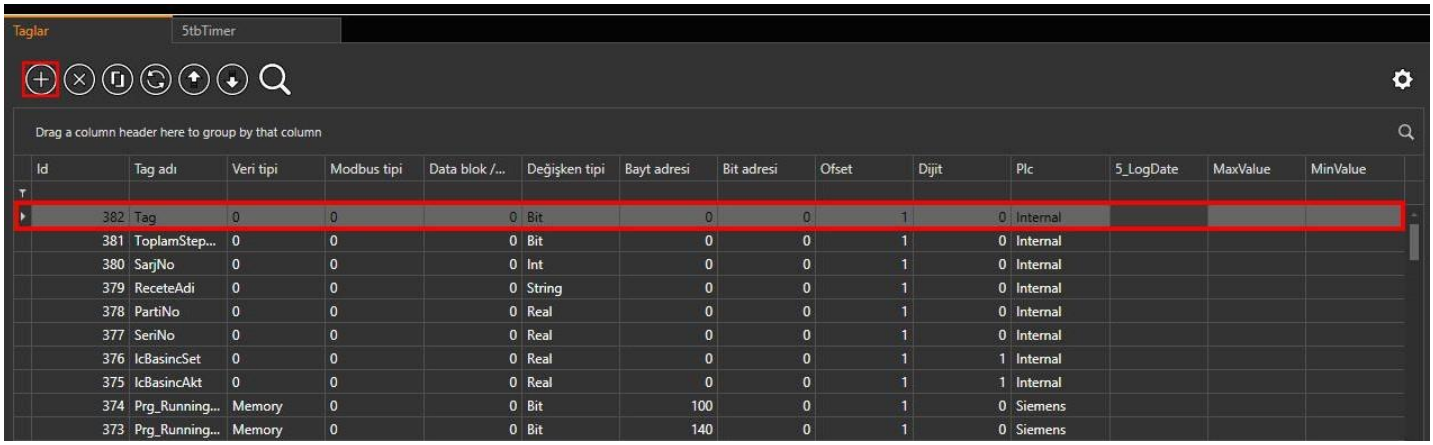
Tags

- Tagın Id
- Tagın Name
- Data Type
  - Counter
  - Timer
  - Input
  - Output
  - Memory
  - DataBlock
- Modbus Type
  - Coil
  - DiscreteInputs
  - HoldingRegister
  - InputRegister
- DataBlock / Modbus Slave Id
- Variable Type
  - Bit
  - Byte
  - Word
  - DWord
  - Int
  - DInt
  - Real
  - String
  - StringEx
  - Timer
  - Counter
- Byte Address
- Bit Address
- Ofset
- Digit
- Plc
- LogDate (Frequency of Time)
- MaxValue (The maximum value specified for "TAG".)
- MinValue (The minimum value specified for "TAG".)

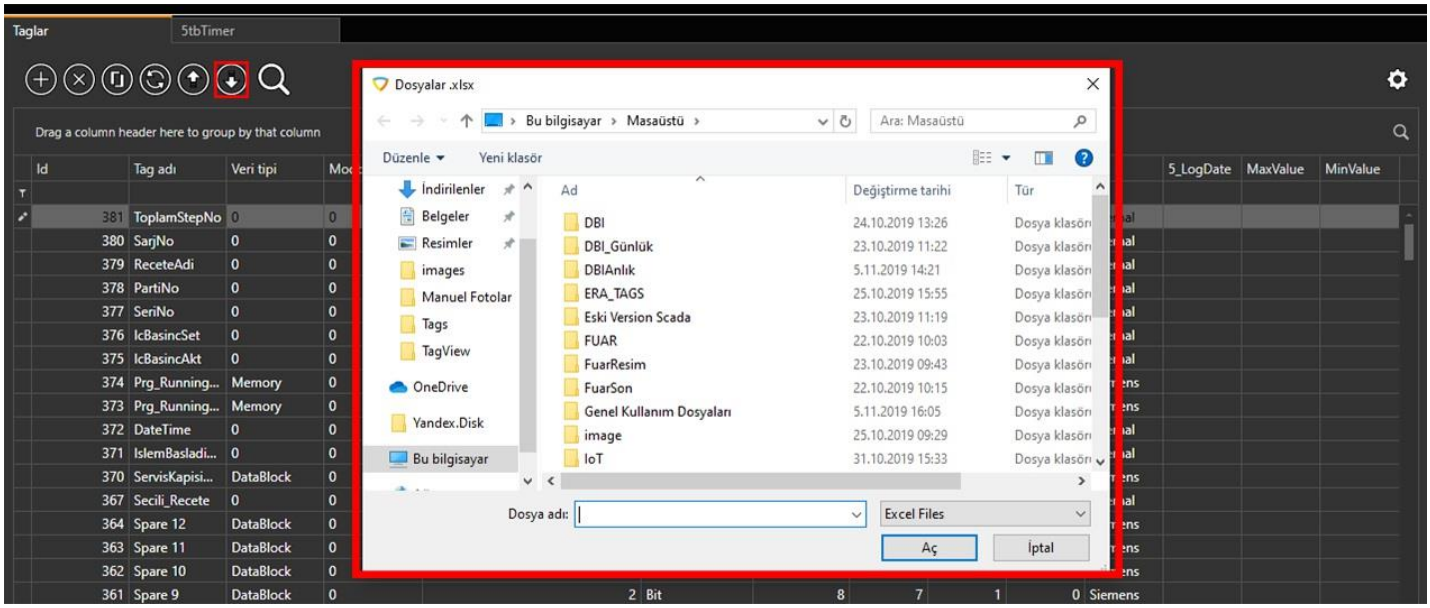
consists of sections.

ADD TAG

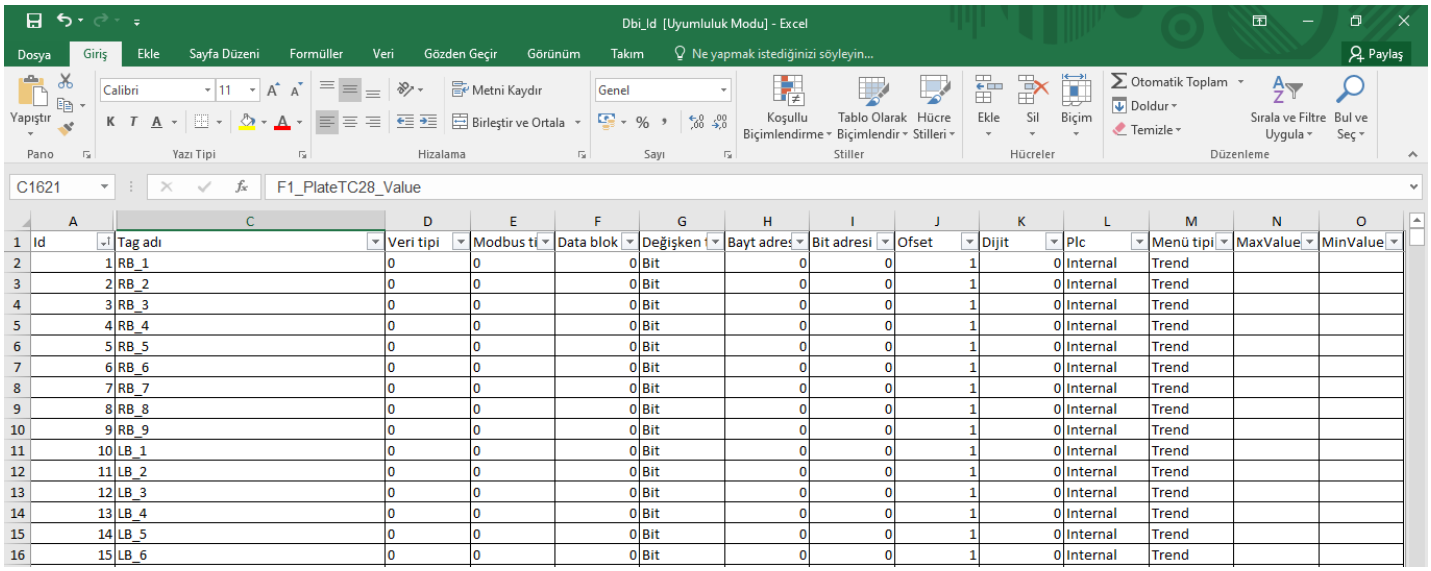
To add a new "Tag", press the button with the plus (+) sign. When the button is pressed, a new "Tag" is added as in the figure below.



In order to add a new "Tag" in bulk, "Excel Export" button is clicked from the controls on the upper left. When the button is pressed, a screen appears for the "Excel" file selection. By selecting the relevant "Excel" file and pressing the "Open" button, "Tags" are added.



The "Excel" format for adding a batch "Tag" is shown in the picture below.



DELETE A TAG

To delete an existing "Tag", press the button with the cross (x) sign. When you press the button, "Are you sure?" A warning will appear.

TIMER

It is created to record the values in the "Trend" table at different time intervals.

ID	Adı	Kayıt Sıklığı
11	SmokeDamper (DB600)	0
16	DuctB_Test	0
15	DuctC_Test	0
9	LiftLandingDoor (DB600)	0
10	FireDamper (DB600)	0
14	JetFan_Test	0
12	VelocityToLeak1366-8 (DB600)	0
1	F1_Temp - Genel Timer 1905	1000
6	F3_Temp - Genel Timer 1906	1000
4	F2_Temp - Genel Timer 1904	1000
22	Timer	1000

Timer

- Timer ID
- Timer Name
- Recording Frequency (Unit is milisecond) (1000 ms = 1 Second) consists of sections.

ADD TIMER

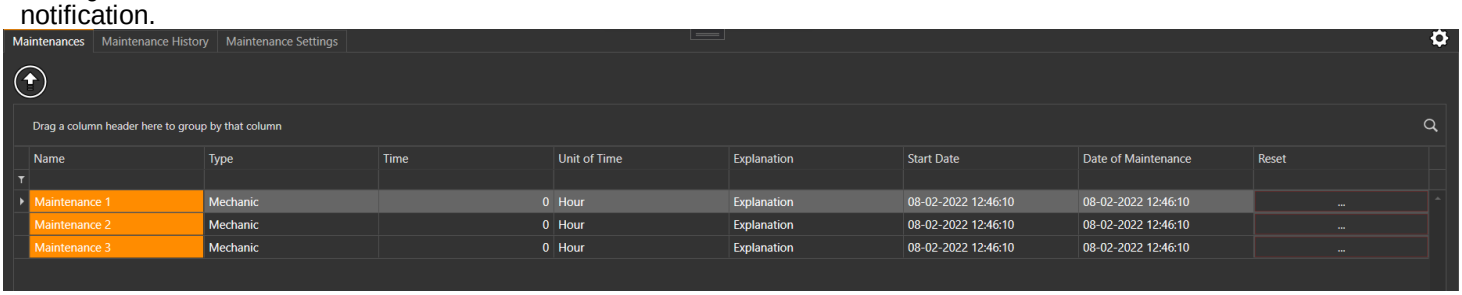
To add a new "Timer", press the button with the plus (+) sign. When the button is pressed, a new "Tag" is added as in the figure below.

ID	Adı	Kayıt Sıklığı
11	SmokeDamper (DB600)	0
16	DuctB_Test	0
15	DuctC_Test	0
9	LiftLandingDoor (DB600)	0
10	FireDamper (DB600)	0
14	JetFan_Test	0
12	VelocityToLeak1366-8 (DB600)	0
1	F1_Temp - Genel Timer 1905	1000
6	F3_Temp - Genel Timer 1906	1000
4	F2_Temp - Genel Timer 1904	1000
22	Timer	1000

To determine the frequency of a "Tagic" control, the selection is made from the "LogDate" section in the table.

MAINTENANCE

The maintenance module is an RSD module that lists the maintenance defined for a certain time, new maintenance is added, existing maintenance is deleted, excel is listed, and when the maintenance time comes, it notifies the user with a notification.



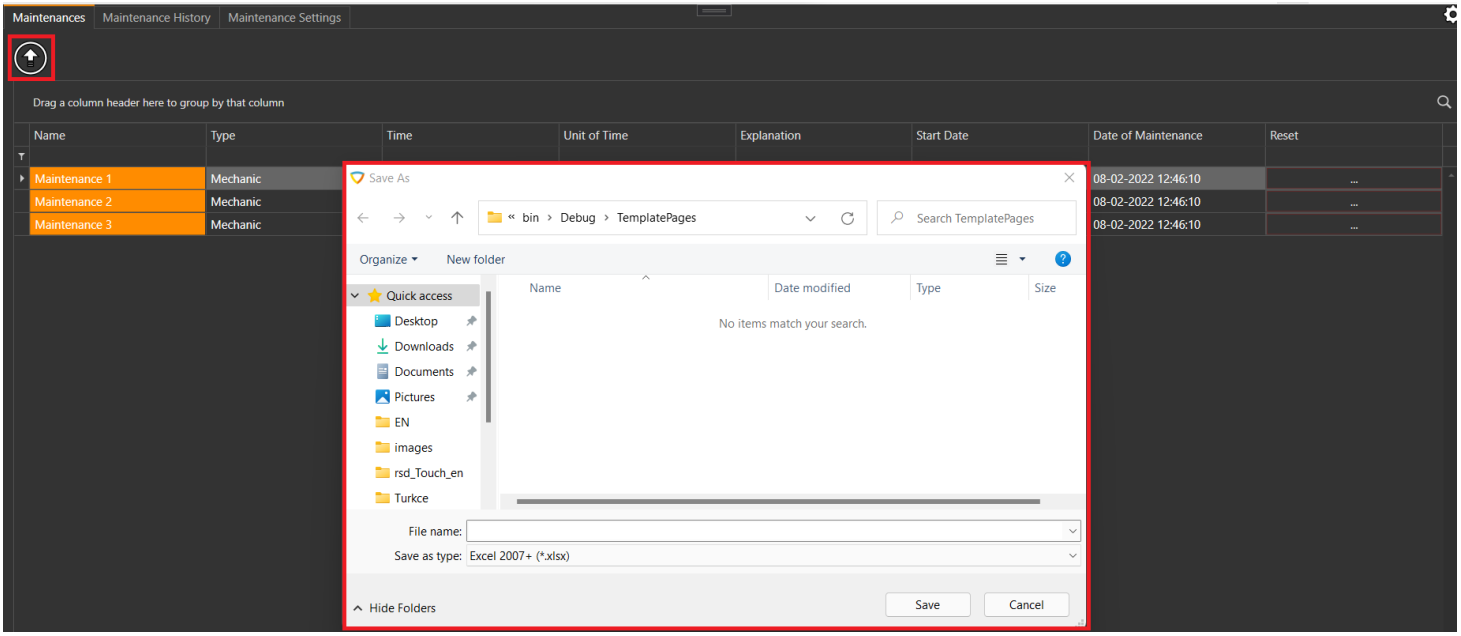
Maintenance

- Maintenance Name
- Maintenance Type (Mechanic ve Electric)
- Time Type (Hour, Day, Week, Month, Year)
- Explanation
- Start Date (Date Added Maintenance)
- Maintenance Date
- Reset

consists of sections.

EXCEL FILE DOWNLOAD

In order to print the listed Maintenance with Excel, the last row "Excel" button is pressed from the controls at the top left. When the button is pressed, a box appears where and with which name the Excel file created is determined, and thus the excel file is saved.

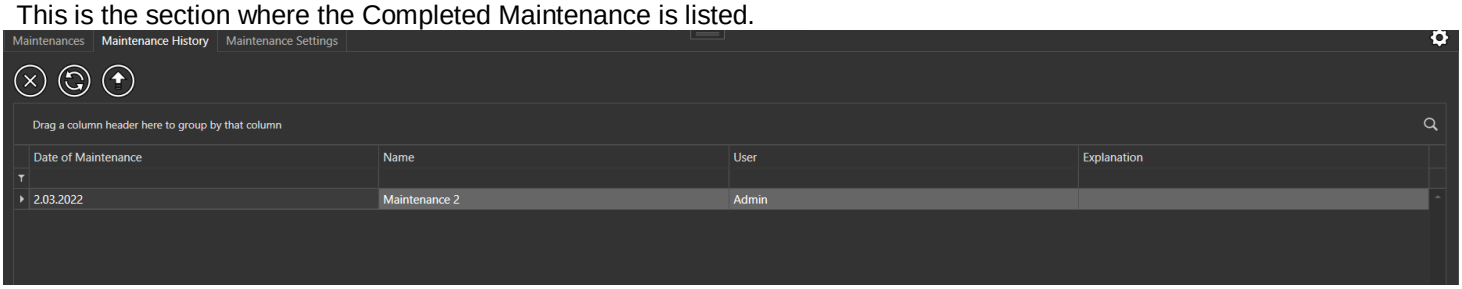


DELETING MAINTENANCE

To delete a maintenance from the list, click the "Reset" button on the far right and you will be asked to enter a description of the Maintenance Procedure. After entering the desired description, this maintenance is now deleted from the list.

MAINTENANCE PAST

This is the section where the Completed Maintenance is listed.



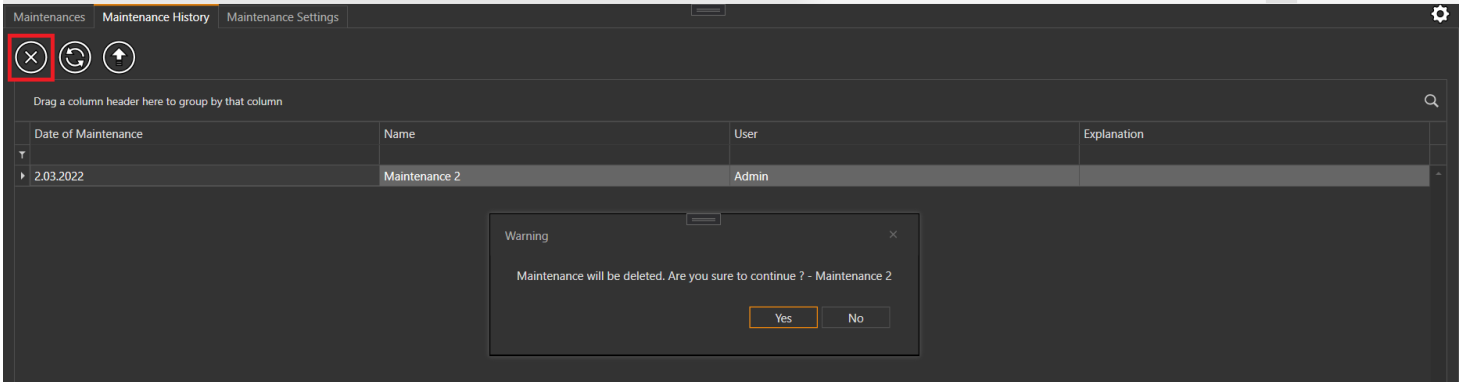
Maintenance History

- Maintenance Date (Completion Date and
- Time) Maintenance Name
- User (Account where maintenance is performed)
- Explanation

consists of
sections.

DELETING PAST MAINTENANCE

To delete what we want from the past maintenance, press the button with the cross (x) sign. When the button is pressed, "Are you sure?" A warning will appear.



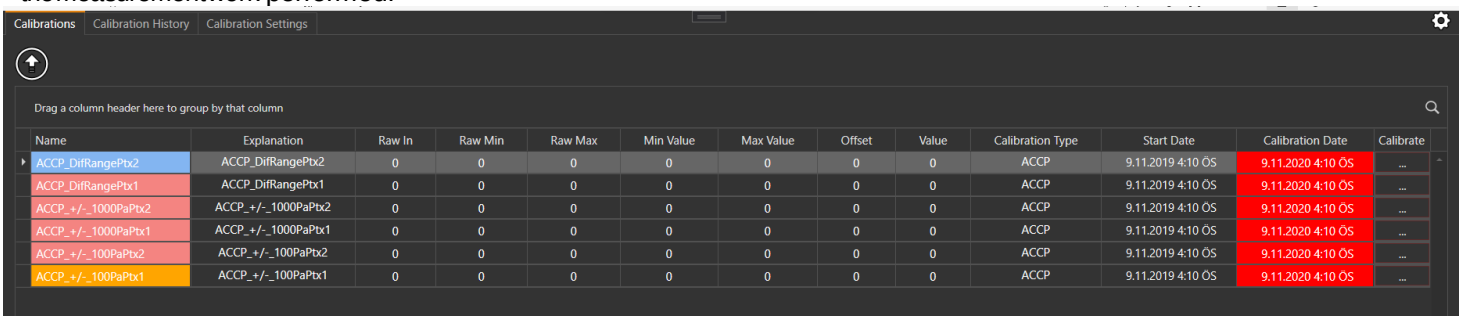
If approval is given, the selected link is deleted.

REFRESH PAGE

It is used to refresh the maintenance page so that the changes can be seen.For this process, the "Refresh" button in the second row of the controls on the upper left is pressed.

CALIBRATION

The calibration module is used to calibrate the settings of the furnace such as pressure and temperature at regular intervals with the help of Eagleye RSD software and sensors. Calibration is the determination of whether the device performs incorrect measurements, if it is faulty, the rate of the error is found. Calibrating the devices at regular intervals increases the accuracy of the measurement work performed.

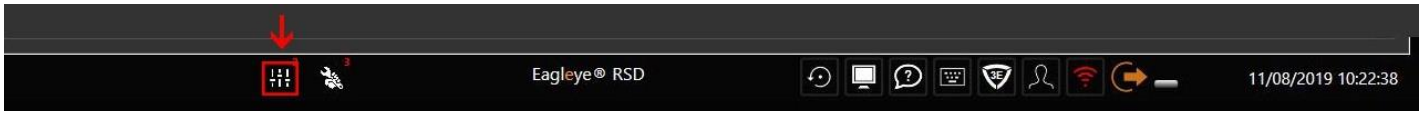


Calibration

- Name
- Tag_In (Raw Input Value)
- Tag_Out (Raw Output Value)
- Tag_In_Max (Raw Input Maximum Value)
- Tag_In_Min (Raw Input Minimum Value)
- Tag_Out_Max (Maximum Value to Scale)
- Tag_Out_Min (Minimum Value to Scale)
- Offset (Specified Offset Value)
- Calibration Type
- Time (What time frequency to calibrate.)
- Time Unit
  - Hour
  - Day
  - Week
  - month
  - Year
- Explanation
- Start Date (Date Calibration Setting Is Set)
- Calibration Date (Date Calibration Occurred)
- Calibration

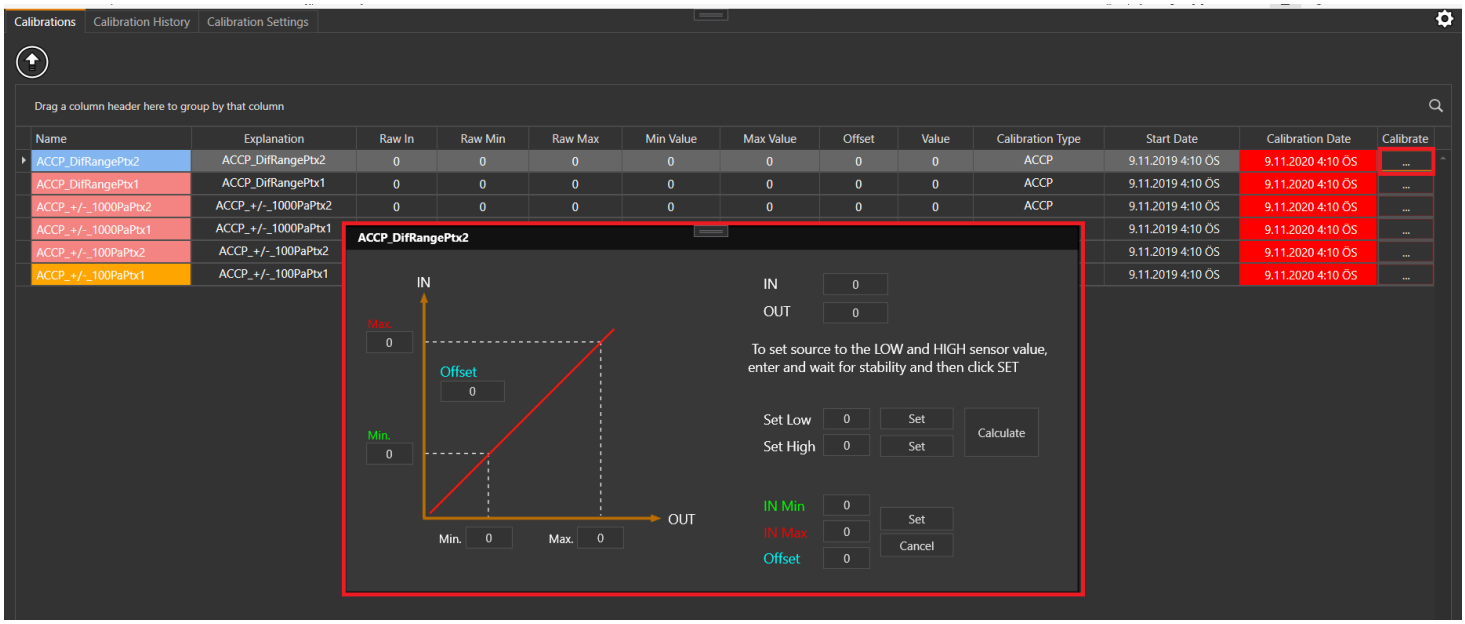
consists of sections.

If it is time to calibrate, a notification with the calibration symbol will appear at the bottom of the home screen.



CALIBRATION PROCESS

Calibration process is done by clicking the "Calibration" button of each element in the list. The display of the calibration screen is as follows.



Calibration

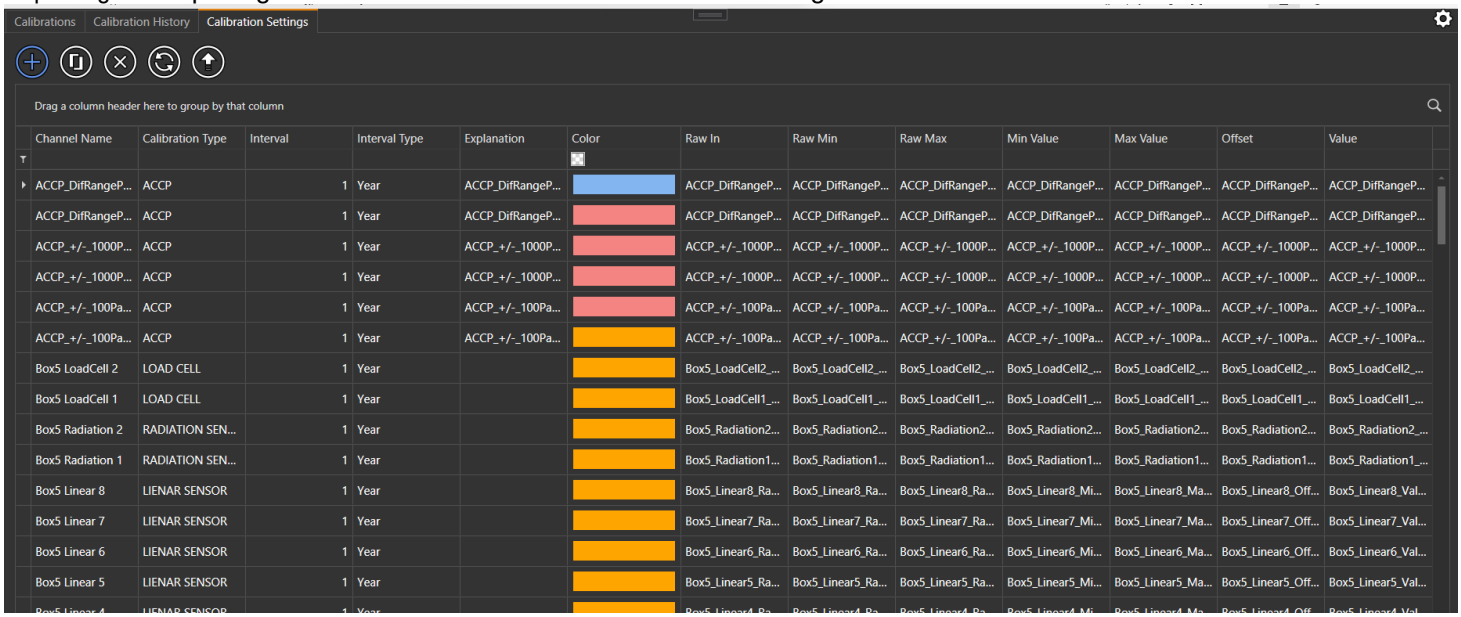
- "IN" value is the value from the calibration device.
- "OUT" value is the calibrated value.
- "Set Low" is the small value we give from the calibration device.
- "Set High" is the great value we give from the calibration device.
- "IN Min" and "IN Max" values will be displayed automatically.
- "OUT Min" and "OUT Max" values are the output value range.

Calibration Process Steps

1. A small value is entered from the calibration device.
2. After this value comes to the "IN" entry, the value we give to the device is written in the "Set Low" section and the "Set" button next to it is clicked.
3. A large value is entered from the calibration device.
4. After this value comes to the "IN" input, the value we give to the device is written in the "Set HIGH" section and the "Set" button next to it is clicked.
5. The value range that we want to see at the exit is entered in "Out Min" and "Out Max" values and click on the "Calculate" button.
6. After clicking the calculate button, "IN Min" and "IN Max" values are formed. The calibration process is ended by clicking the "Settings" button in this section.

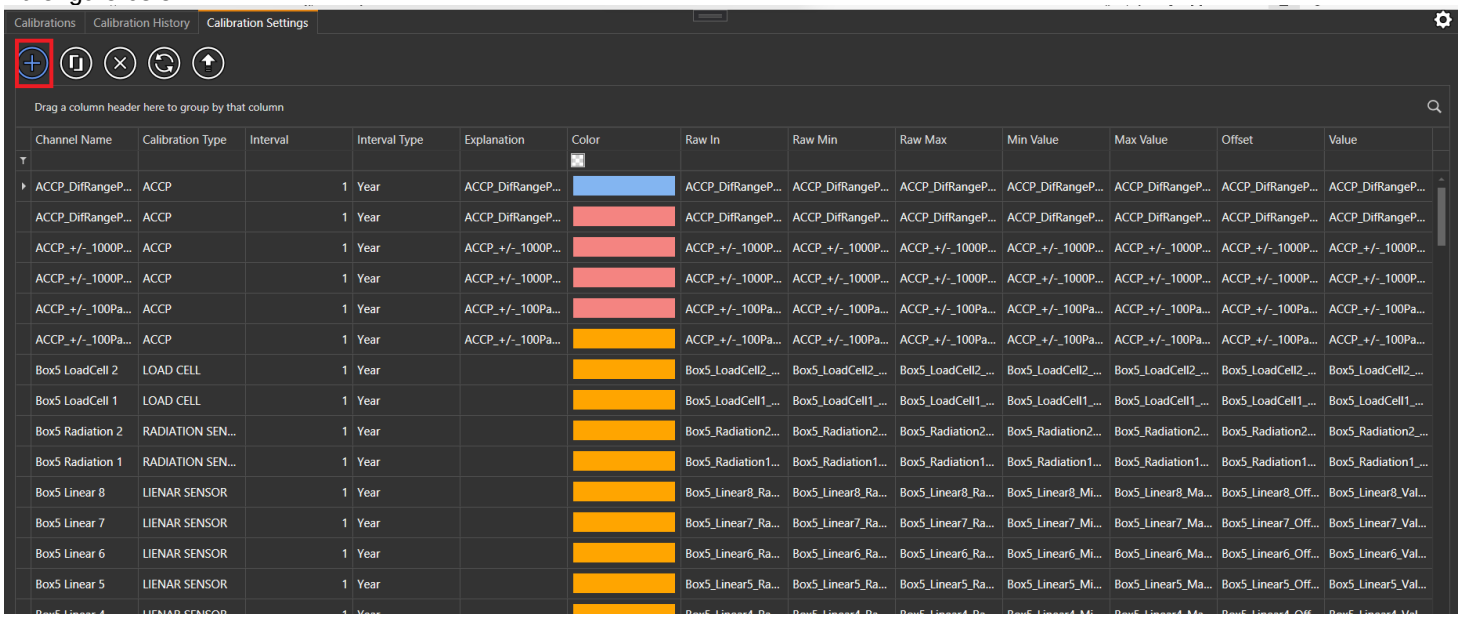
CALIBRATION SETTINGS

The Calibration Settings module is where the operations such as adding a new calibration, deleting the existing calibration, updating and exporting the calibration list listed in the Calibration Settings section to Excel.



ADDING CALIBRATION

To add a new Calibration, press the button with the plus (+) sign. When pressing the button, a new Calibration is added as in the figure below.



When adding a new Calibration;

- Name
- Calibration Type (Type1, Type2)
- Time (takes a numerical value)
- Time Type (Hour, Day, Week, Month, Year)
- Color
- Explanation
- Tag_In
- Tag_Out
- Tag_In_Max
- Tag_In_Min
- Tag_Out_Max
- Tag_Out_Min
- Tag_Offset

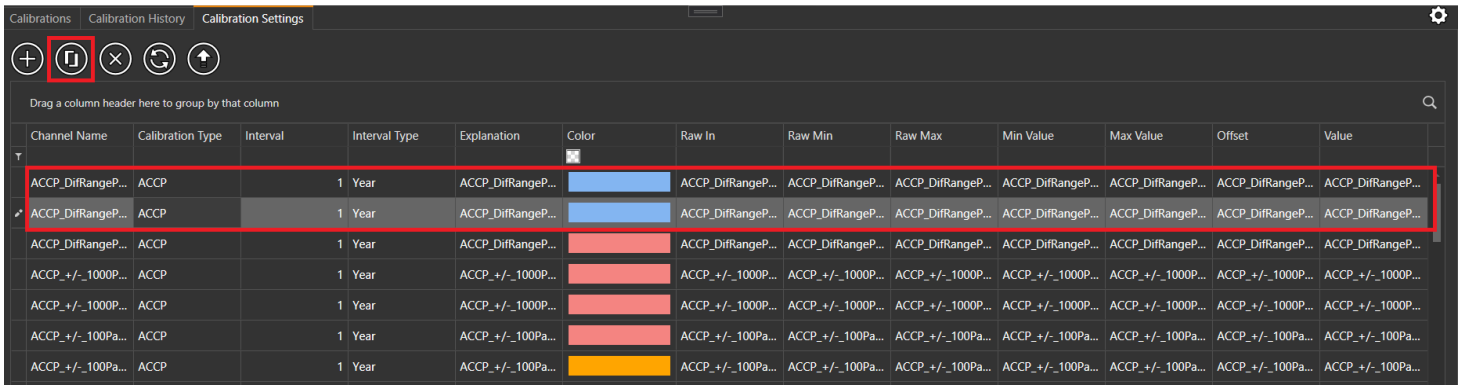
New Calibration is added by adjusting the parts.

CALIBRATION DELETION

To delete what we want from the existing calibrations, press the button with the cross (x) sign. When you press the button, "Are you sure?" A warning will appear.

CALIBRATION CLONE

It is the part where the process of creating another from one calibration is done.



CONNECTION

The connections are the part where the necessary settings for connection to the devices are made by using the communication protocols such as "SiemensTCP", "OPC", "ModBus", "Internal" of the RSD software and thus communication between the device and the software is provided.

Communication Protocols

4 types of communication protocols are used in RSD Automation.

- **SiemensTCP**

  The Siemens TCP / IP Ethernet driver works in harmony with KEPServerEX and provides data exchange between OPC clients and the Siemens S7-200, S7-300, S7-400, S7-1200 and S7-1500 PLC family using the TCP / IP Ethernet protocol. The driver can communicate directly with the S7 PLC using a standard PC network interface card, without the need for additional software packages or libraries. Custom block reading and writing optimization will automatically increase the speed of many applications when using the CP243, CP343 and CP443 processors.

- **OPC**

  The OPC Client driver and KEPServerEX communication platform provide a fast and reliable connection between OPC servers and HMI, SCADA, Historian, MES, ERP and many OPC client applications. You do not need to learn the fine details of third-party servers. This driver also enables Oracle MES and MOC users to include Kepware OPC operations and all other third-party OPC operations in applications.

- **ModBus**

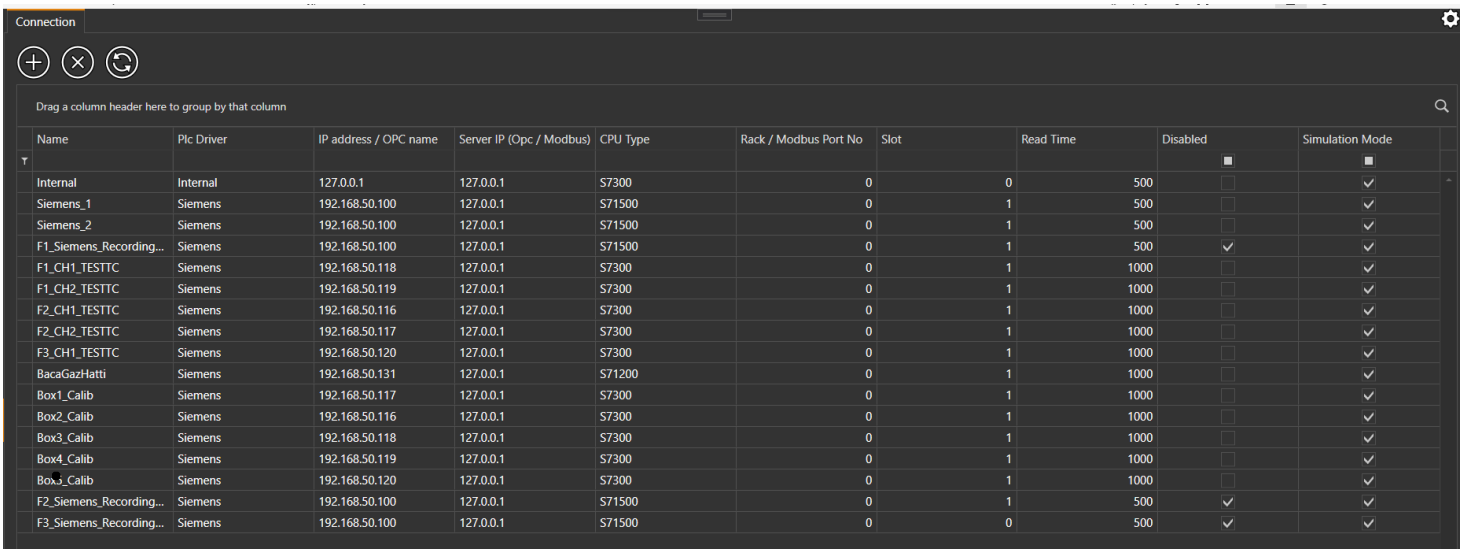
  Modbus Ethernet driver works in harmony with KEPServerEX, allowing data exchange between OPC clients and PLC family compatible with Modbus Ethernet protocol. KEPServerEX automatically optimizes data collection according to client demand. Data integrity is ensured securely thanks to comprehensive error management. Kepware's Modbus Ethernet driver performs master and slave operations simultaneously. Slave mode provides data transfer from other Modbus Ethernet devices to the server. Modbus Ethernet driver offers direct integration with Modicon Concept and ProWORX programming packages. If you are using these packages, you can import the tags in your PLC application directly into KEPServerEX. Thanks to this time-saving feature, all relevant PLC data will be instantly available to your OPC client application.

- **Internal**

  Internal communication protocol is a limited type of protocol compared to the internal and other protocols used for testing purposes, without using the external protocols listed above.

CONNECTION SET

It is the part where the necessary settings are made for connection to the devices and thus communication is provided between the device and the software.



Connection Name

It is the part where the name of the device to be connected is entered.

- **Driver**

  It is the part where drivers such as "SiemensTCP", "OPC", "ModBus", "Internal" are used for communication between the device and the software.

- **IP Address / Opc Name**

  It is the part where the IP Address or Name of the Device to be Connected is entered.

- **Server IP (Opc / Modbus)**

  This is the section where the IP Address of the Server to be connected is entered.

- **CPU Type**

  It is the section where CPU Type of Driver used in communication is entered.

- **Rack / Modbus Port No**

  It is the part where Driver / Modbus Port Number of Driver used in communication is entered.

- **Slot**

  It is the part where Driver's Slot value used in communication is entered.

- **Reading Time**

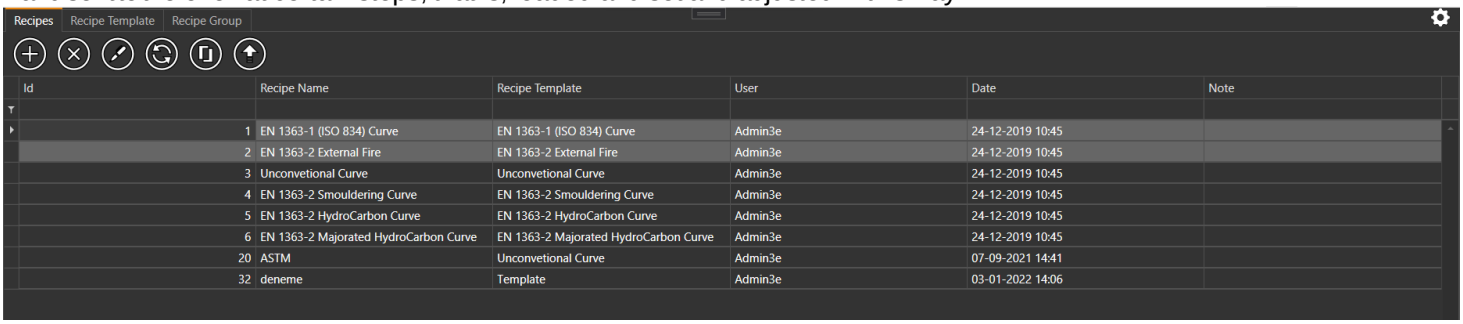
  It is the part where the connection control is made in how many milliseconds.

- **Is it disabled?**

  It is the part that determines whether the connection with the device in question is active or not.

RECIPES

The recipe is a set of values where the desired values (such as Temperature, Pressure) are set to the desired values and sent to the oven at certain steps, that is, loaded and set and adjusted in this way.



Id	Recipe Name	Recipe Template	User	Date	Note
1	EN 1363-1 (ISO 834) Curve	EN 1363-1 (ISO 834) Curve	Admin3e	24-12-2019 10:45	
2	EN 1363-2 External Fire	EN 1363-2 External Fire	Admin3e	24-12-2019 10:45	
3	Unconvetional Curve	Unconvetional Curve	Admin3e	24-12-2019 10:45	
4	EN 1363-2 Smouldering Curve	EN 1363-2 Smouldering Curve	Admin3e	24-12-2019 10:45	
5	EN 1363-2 HydroCarbon Curve	EN 1363-2 HydroCarbon Curve	Admin3e	24-12-2019 10:45	
6	EN 1363-2 Majorated HydroCarbon Curve	EN 1363-2 Majorated HydroCarbon Curve	Admin3e	24-12-2019 10:45	
20	ASTM	Unconvetional Curve	Admin3e	07-09-2021 14:41	
32	deneme	Template	Admin3e	03-01-2022 14:06	

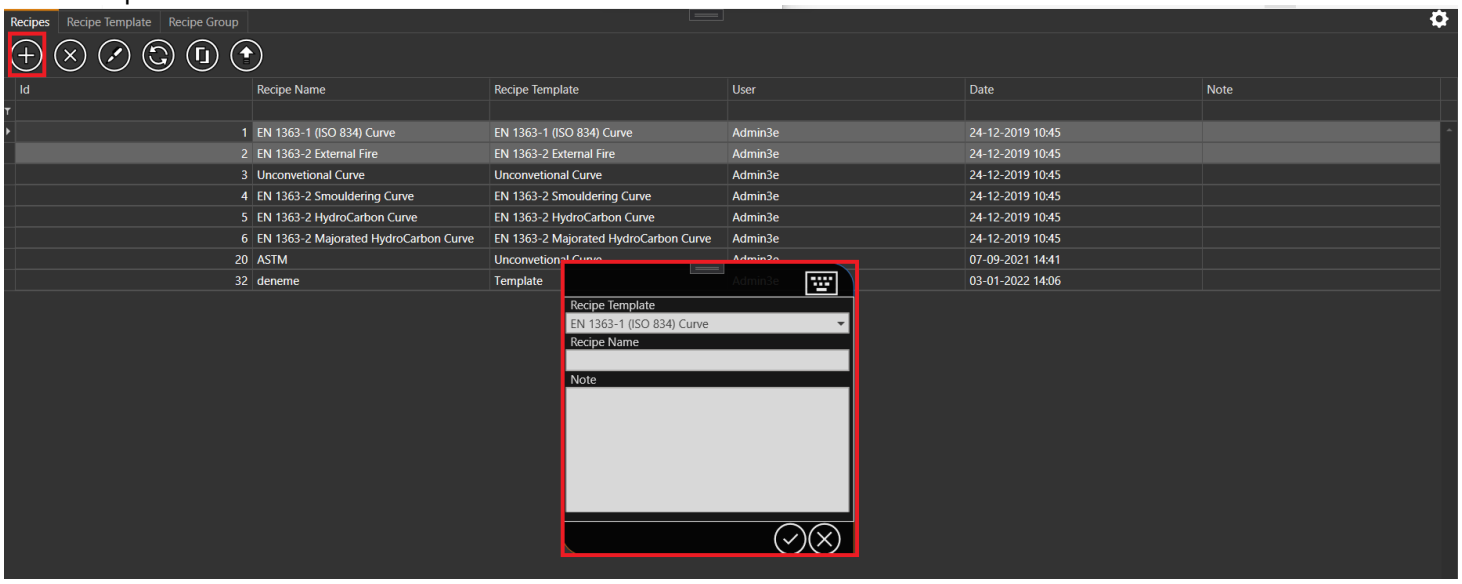
Recipes

- Recipe Name
- Recipe Template
- User (User Added Prescription)
- Date (Date Added By Prescription)
- Note (Prescription Note if available)

consists of sections.

ADD TO RECIPE

To add a new RECIPE, press the button with the plus (+) sign. When you enter and confirm the values in this box, a new Recipe is added.



Id	Recipe Name	Recipe Template	User	Date	Note
1	EN 1363-1 (ISO 834) Curve	EN 1363-1 (ISO 834) Curve	Admin3e	24-12-2019 10:45	
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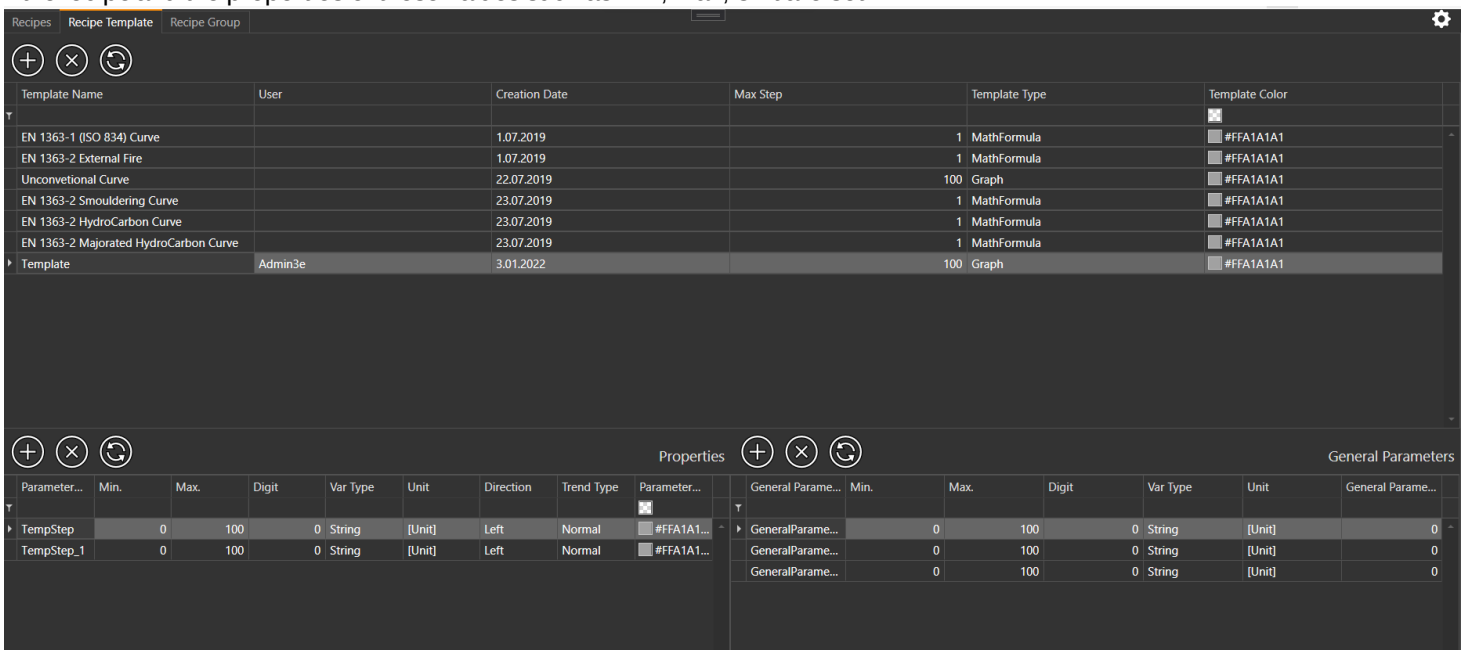
3	Unconvetional Curve	Unconvetional Curve	Admin3e	24-12-2019 10:45	
4	EN 1363-2 Smouldering Curve	EN 1363-2 Smouldering Curve	Admin3e	24-12-2019 10:45	
5	EN 1363-2 HydroCarbon Curve	EN 1363-2 HydroCarbon Curve	Admin3e	24-12-2019 10:45	
6	EN 1363-2 Majorated HydroCarbon Curve	EN 1363-2 Majorated HydroCarbon Curve	Admin3e	24-12-2019 10:45	
20	ASTM	Unconvetional Curve	Admin3e	07-09-2021 14:41	
32	deneme	Template	Admin3e	03-01-2022 14:06	

RECIPE TEMPLATE

RECIPE TEMPLATE is the module used to create a template for the recipes to be added. In this module, the values of the recipe and the properties of these values such as Min, Max, Unit are set.



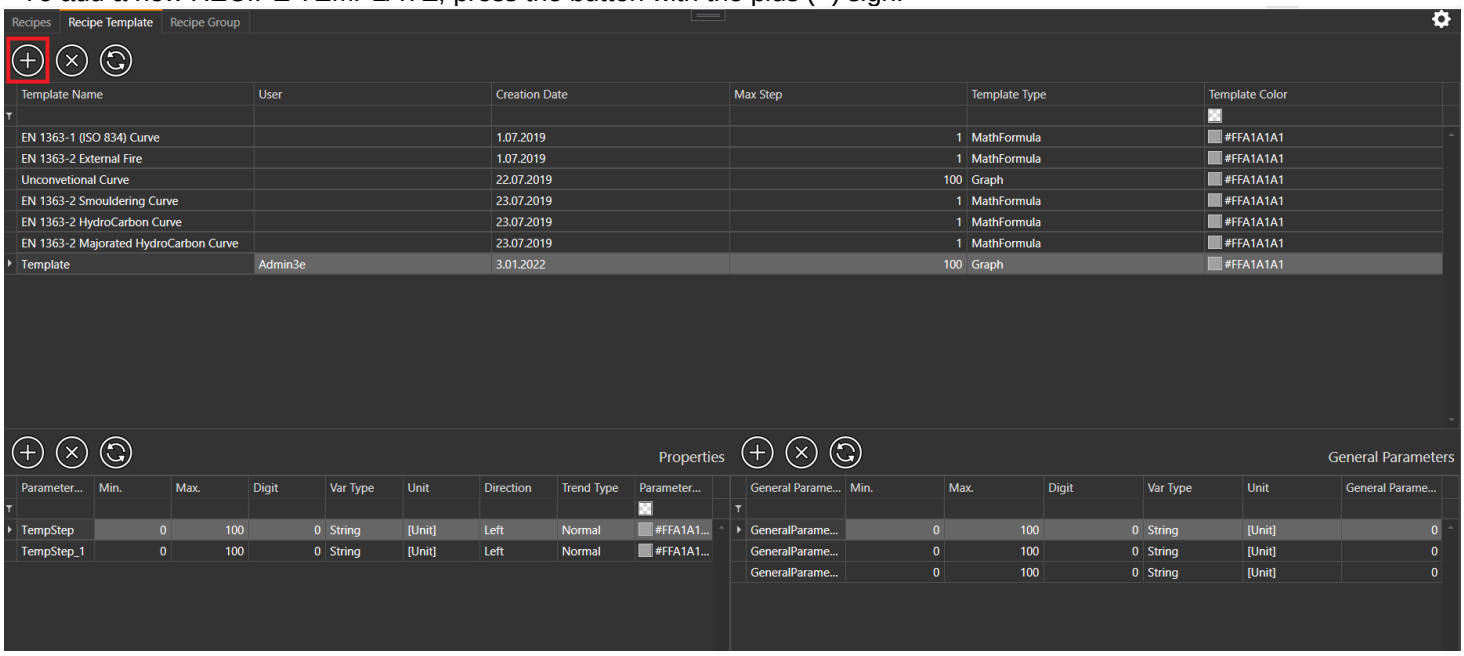
When adding a new RECIPE TEMPLATE;

- Template
- Name User
- Adding
- Date Max
  Step
- Type (Graph,PipeBending,ProfileBending,MathFormula,Gcode)
- Template

Color we enter the
values.

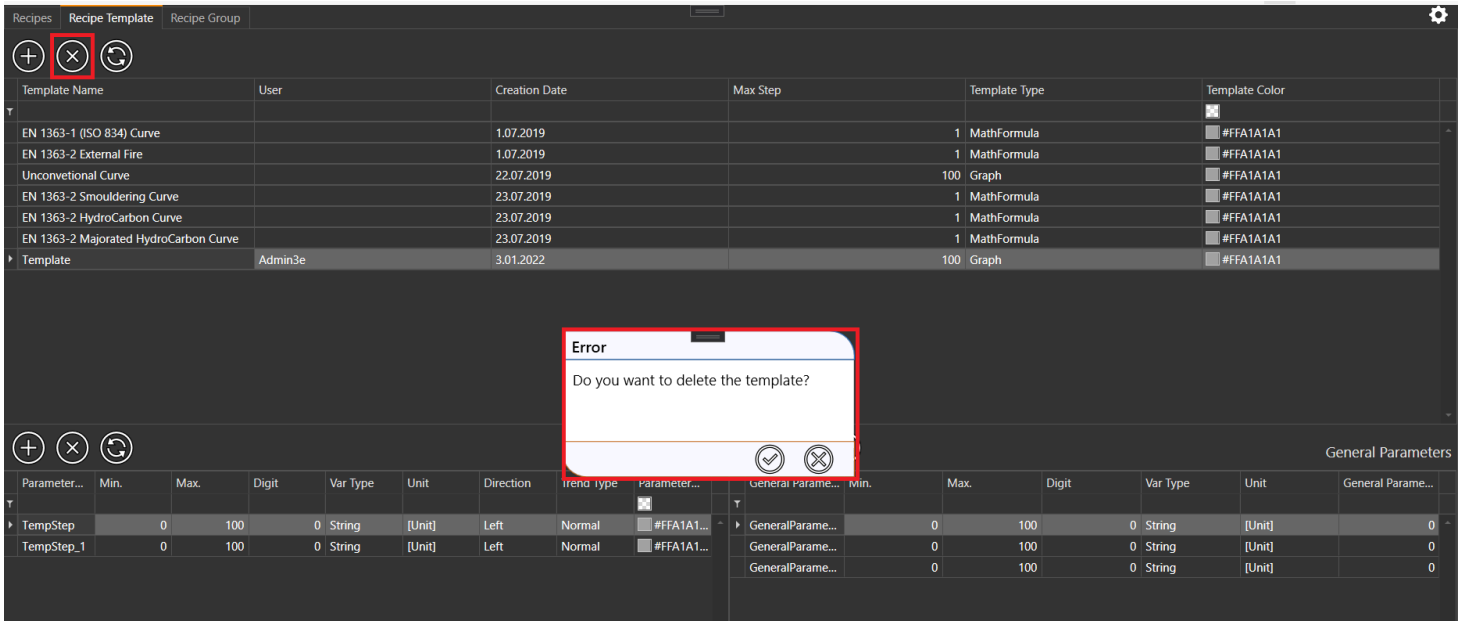
ADDING A RECIPE TEMPLATE

To add a new RECIPE TEMPLATE, press the button with the plus (+) sign.



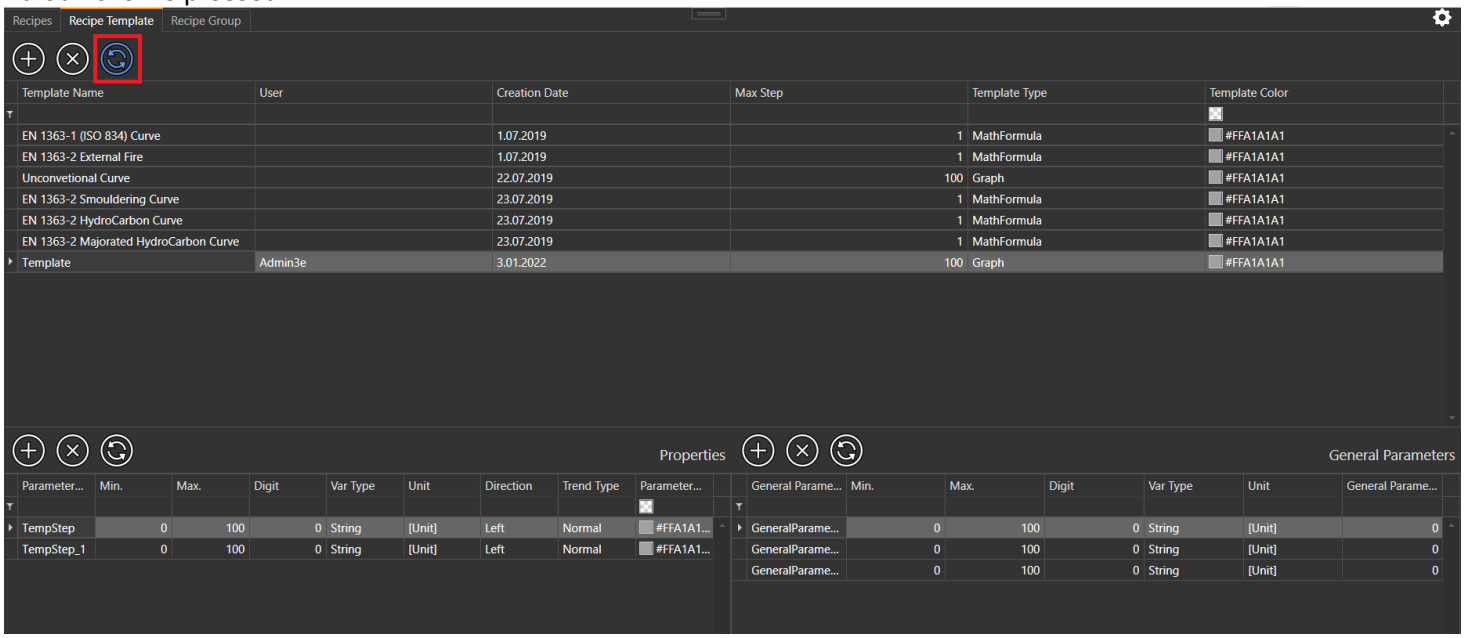
DELETING A RECIPE TEMPLATE

To delete an existing RECIPE TEMPLATE, press the button with the cross (x) sign. When you press the button, "Are you sure?" A warning will appear.



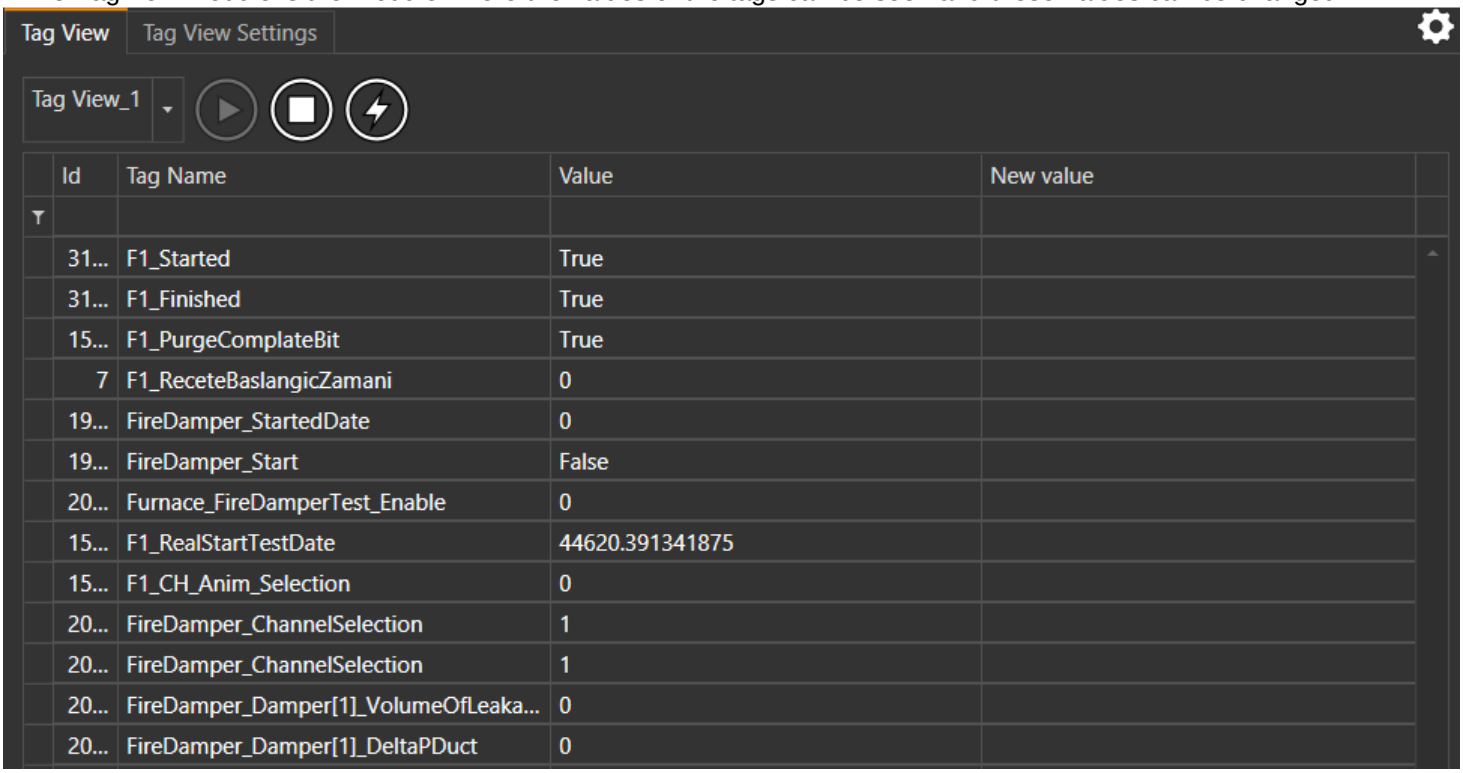
REFRESH PAGE

It is used for the refresh of the page in order to make the changes visible. For this process, the "Refresh" button in the third row is pressed.

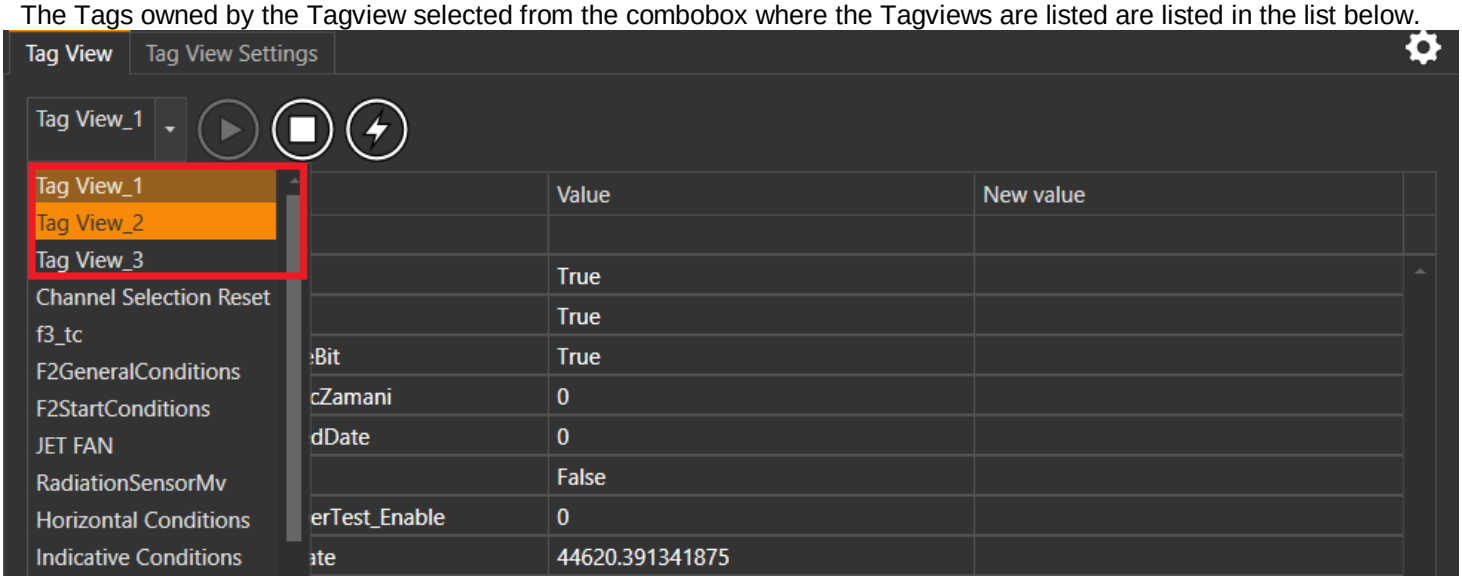


TAGVIEW

The TagView module is the module where the values of the tags can be seen and these values can be changed.



The Tags owned by the Tagview selected from the combobox where the Tagviews are listed are listed in the list below.



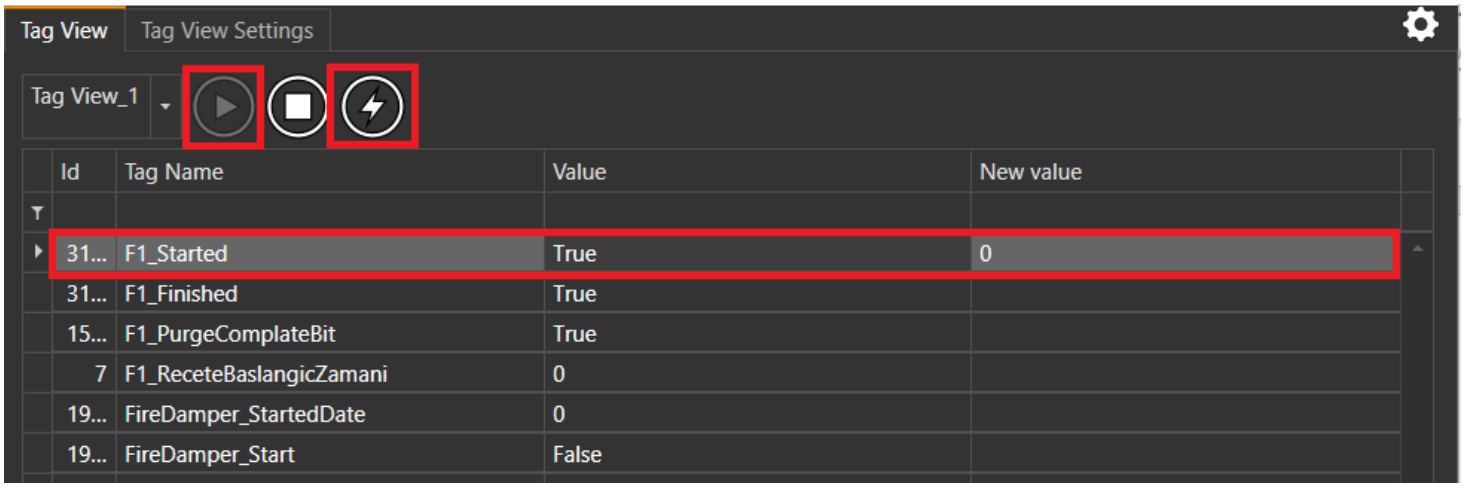
TagView list

- Tag Name
- Value (Tag Value)
- New Value (Set Tag Value)

consists of sections.

TAG VALUE CHANGE

In order to change the values of the tags that Tagviews have, the new value of Tagın is entered into the "New Value" box in the Tag list, the first "Play" button is pressed from the controls on the upper left side, and then the "Flash" button in the last row is pressed. To change the other Tag values we want while the "Play" button is active, we first change the tag value by entering the new value of Tagın in the "New Value" box and then by pressing the "Flash" button. The process is completed by pressing the button.

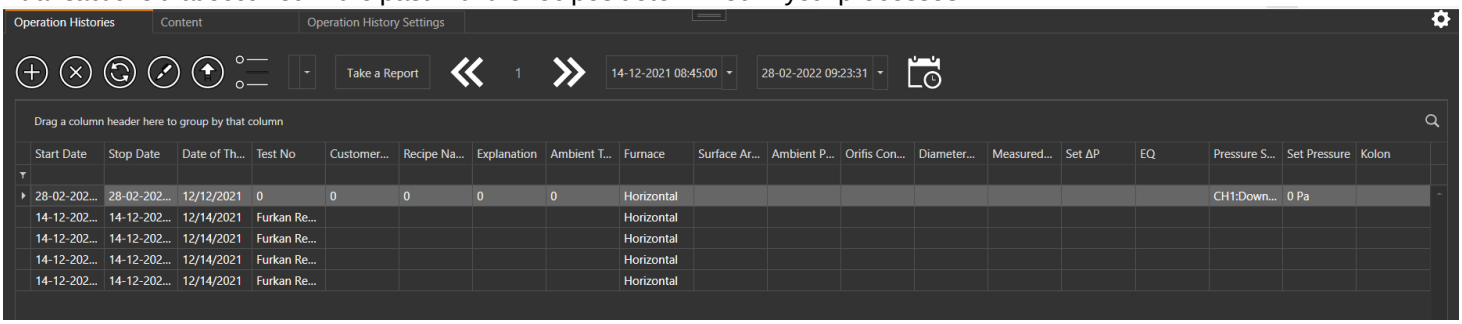

Tag View
Tag View Settings
Tag View_1
Id
Tag Name
Value
New value
31...
F1_Started
True
0
31...
F1_Finished
True
15...
F1_PurgeComplateBit
True
7
F1_ReceteBaslangicZamani
0
19...
FireDamper_StartedDate
0
19...
FireDamper_Start
False

ABOUT US

It is the page with the containing the information about the company. This screen is created by the user with the help of an editor in the Setting section.

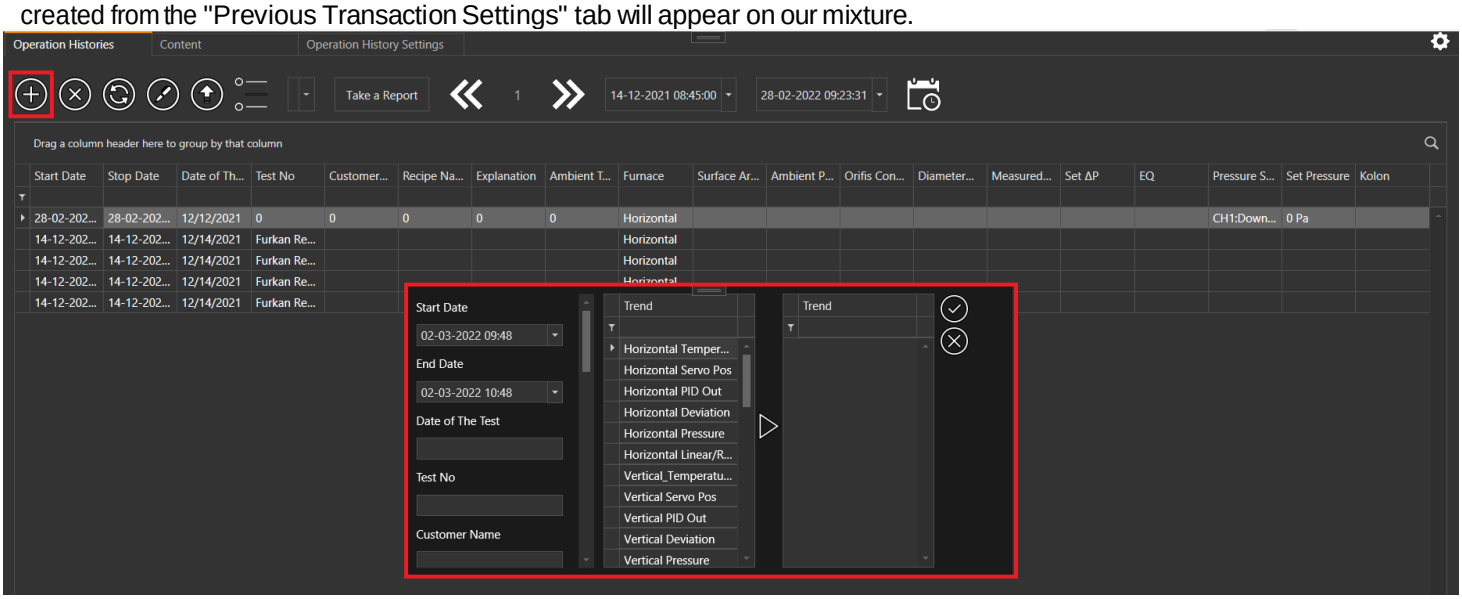
OPERATION HISTORY

Operation History is a module that we can follow the recipes you created before. With this module, you can view all your transactions that occurred in the past with the recipes determined in your processes.



ADD OPERATION HISTORY

To add a new HISTORY, press the button with the plus (+) sign. When the button is pressed, a screen with columns created from the "Previous Transaction Settings" tab will appear on our mixture.



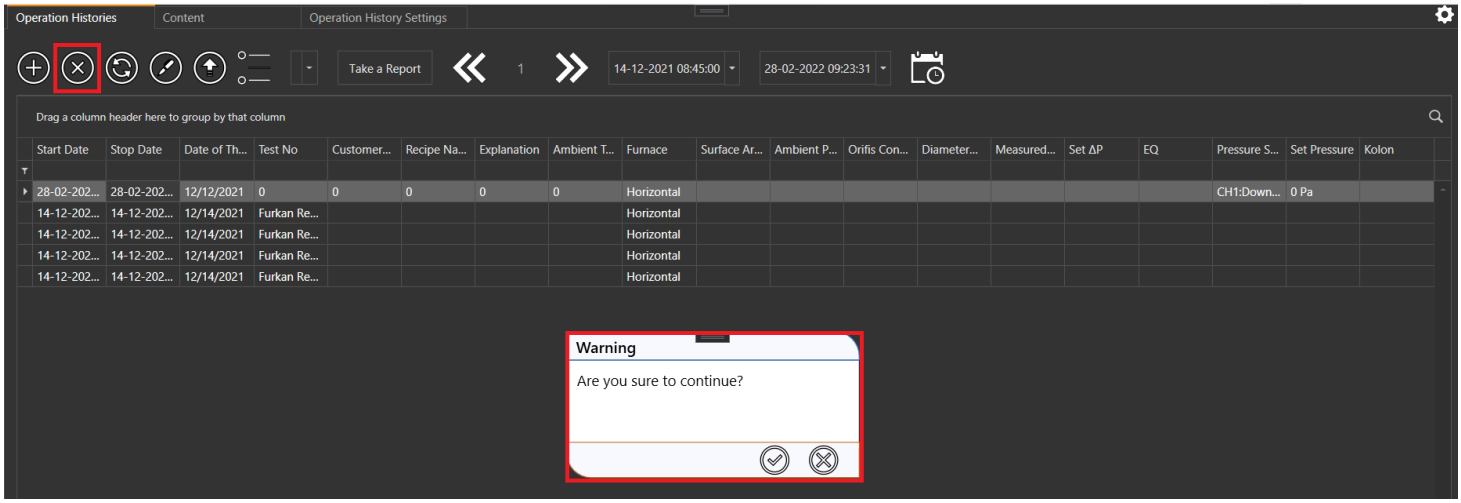
After entering the necessary information on this screen, pressing the confirm button creates a new "History Transaction". Pressing the confirm button adds a new "Operation History". On this screen;

- Operation Start
- Date Operation
  Stop Date
- Columns specified in the "Operation History
- Settings" field "Trend" graphics to be shown

contains.

DELETING PAST ACTION

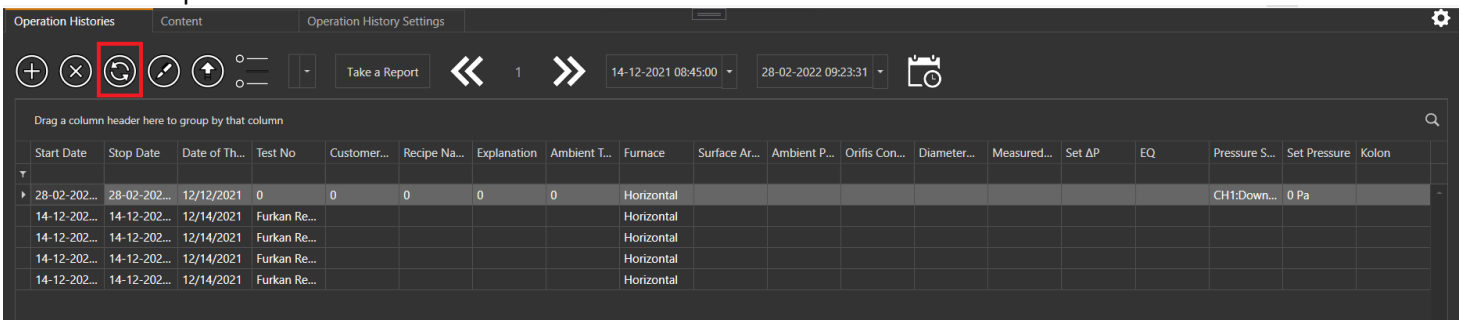
To delete an existing History Transaction, press the button with the cross (x) sign. When the button is pressed, "Are you sure?" A warning will appear.



If a confirmation is granted, the History Transaction is deleted.

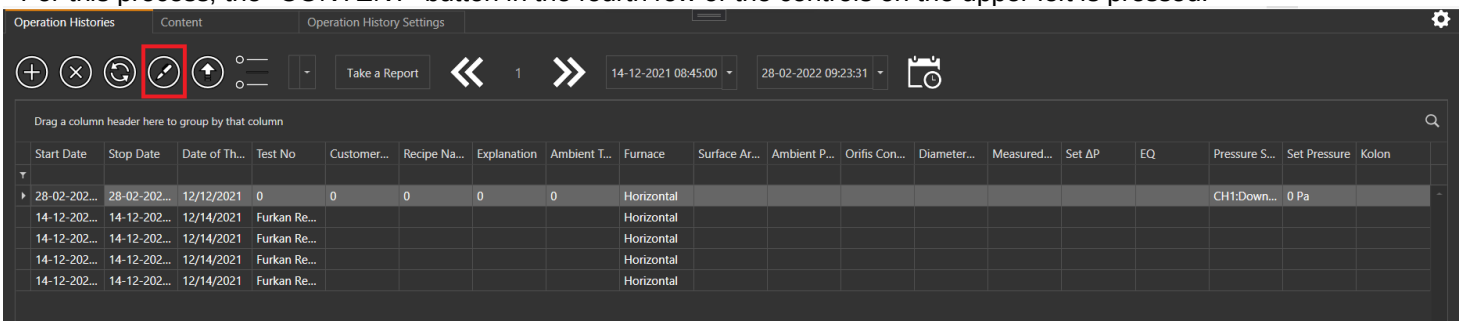
REFRESH PAGE

It is used for the refresh of the page in order to make the changes visible. For this process, the "Refresh" button in the third row is pressed.



VIEWING OPERATION HISTORY

For this process, the "CONTENT" button in the fourth row of the controls on the upper left is pressed.

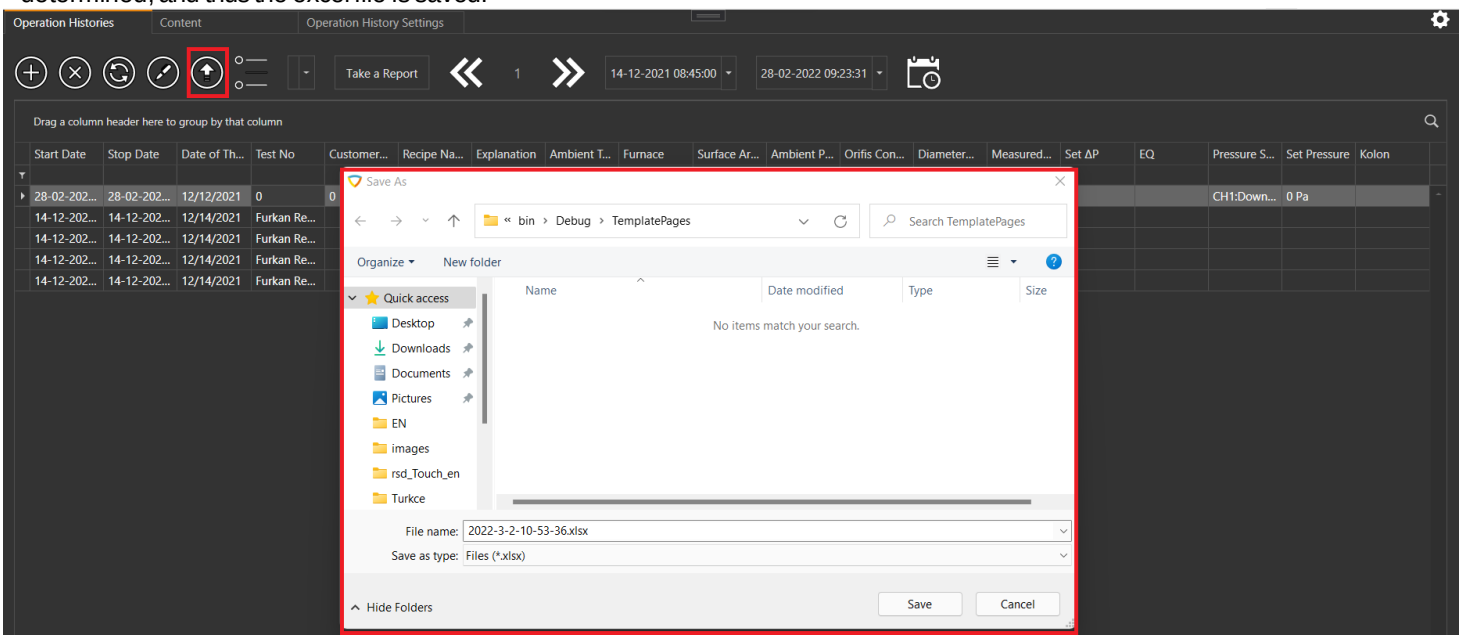


When the button is pressed, a "TREND" graphic appears. Thanks to this graphic, we can see all the details about the "Recipe" content loaded.


Operation Histories
Content
Operation History Settings
Start Date
Stop Date
REÇETE ADI
PARÇA ADI
SİPARİŞ NO
İŞ EMRİ NO
ELEKTRİK MİKTAR
NH3 MİKTAR
N2 MİKTAR
CO2 MİKTAR
21-12-2021 18:56:09
22-12-2021 07:49:21
KN deneme2
aa
20202312
2121
735
21.2
63.3
0
NitrasyonFırını
Numeric Mode
Cursor
Data Point
NitrasyonFırını
Basınç mBar
NitrasyonFırını °C
KN
Aktüel Sıcaklık
Set Sıcaklık
Bölge1 Limit Sıcaklık
Bölge2 Limit Sıcaklık
Bölge3 Limit Sıcaklık
Kn Set
Kn Aktüel
H2 Aktüel
N2 Aktüel
NH3 Aktüel
CO2 Aktüel
Basınc
20:00
22:00
00:00
02:00
04:00
06:00
Admin3e
Eagleye® RSD
03/01/2022 13:52:09

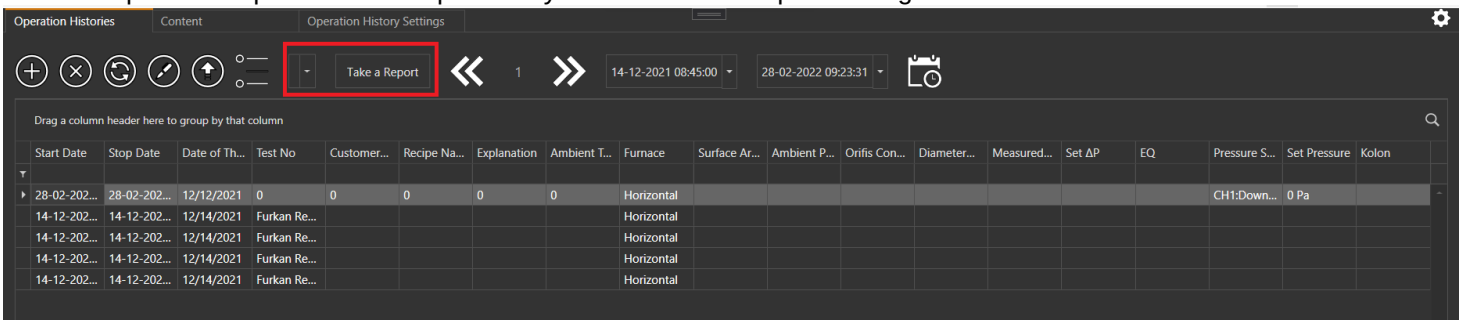
EXCEL FILE DOWNLOAD

In order to print out the PAST OPERATIONS list with Excel, the last "Control" button is pressed from the controls on the top left. When the button is pressed, a box appears where the Excel file created and with which name is determined, and thus the excel file is saved.



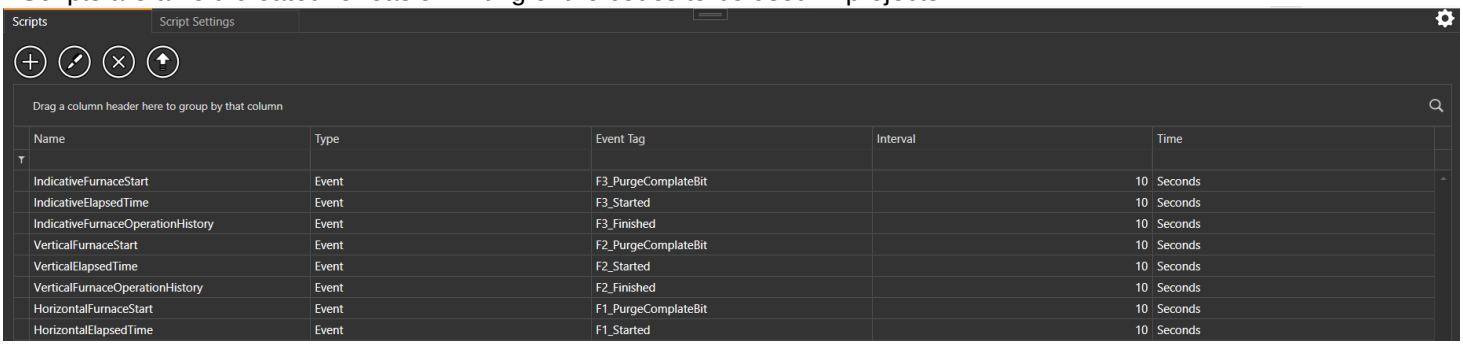
REPORTING

You can print the reports that were previously created in the "Report Editing Screen".



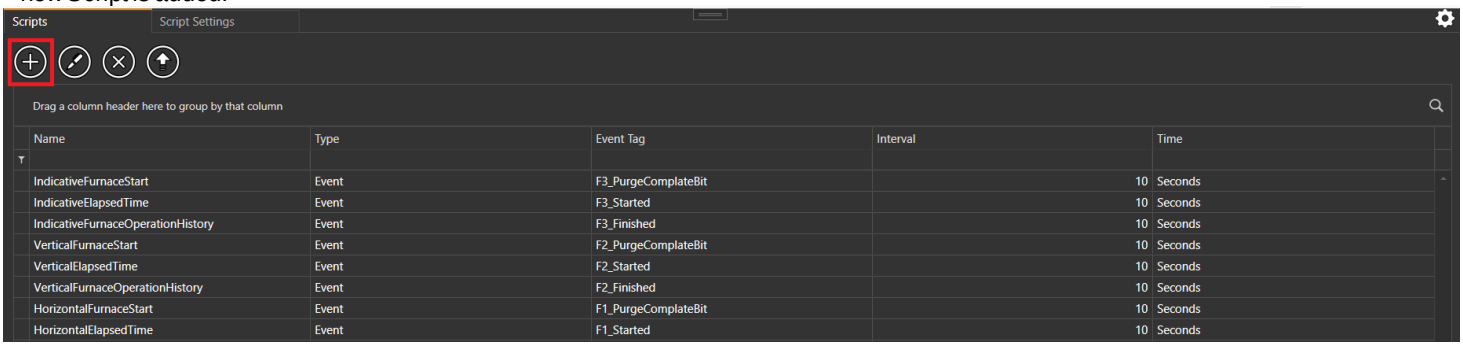
SCRIPT

Scripts are a field created for easier writing of the codes to be used in projects.



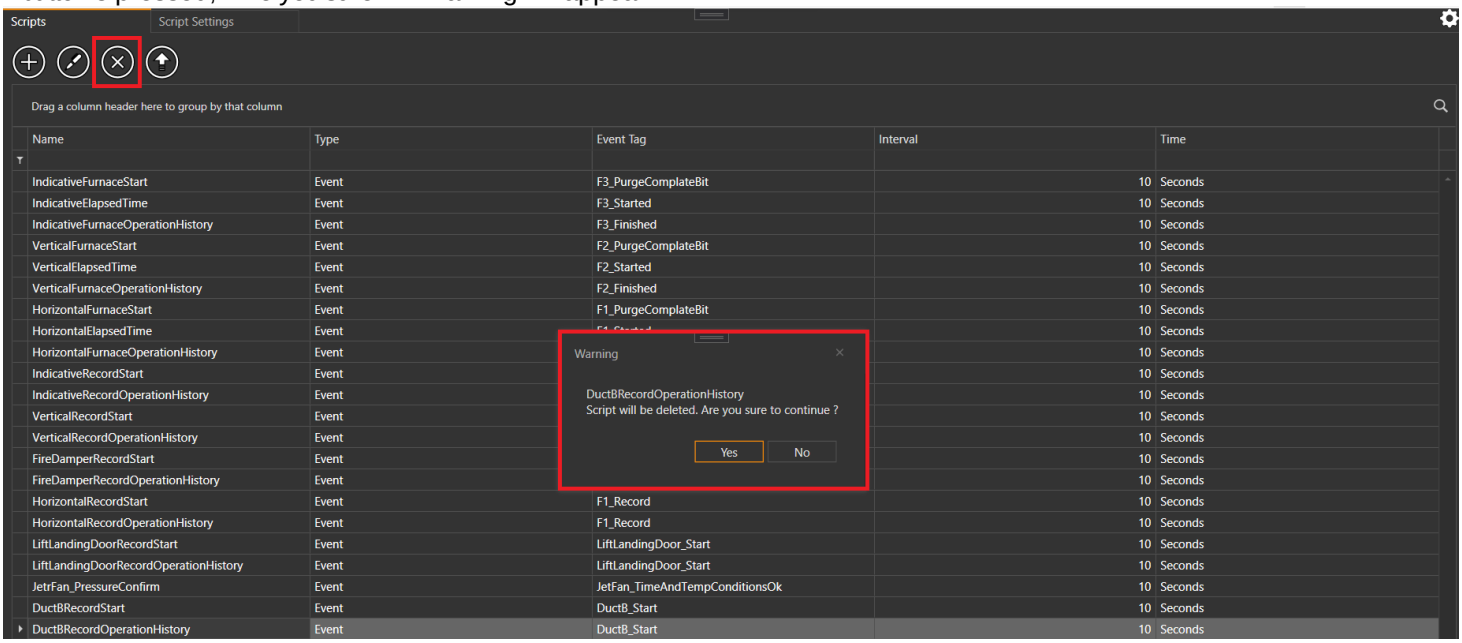
Adding a script

To add a new script, press the button with the plus (+) sign at the top of the controls in the upper left. When the button is pressed, it is directed to the "Script Settings" screen. After making the necessary settings on the "Script Settings" screen, a new Script is added.



Script Deletion

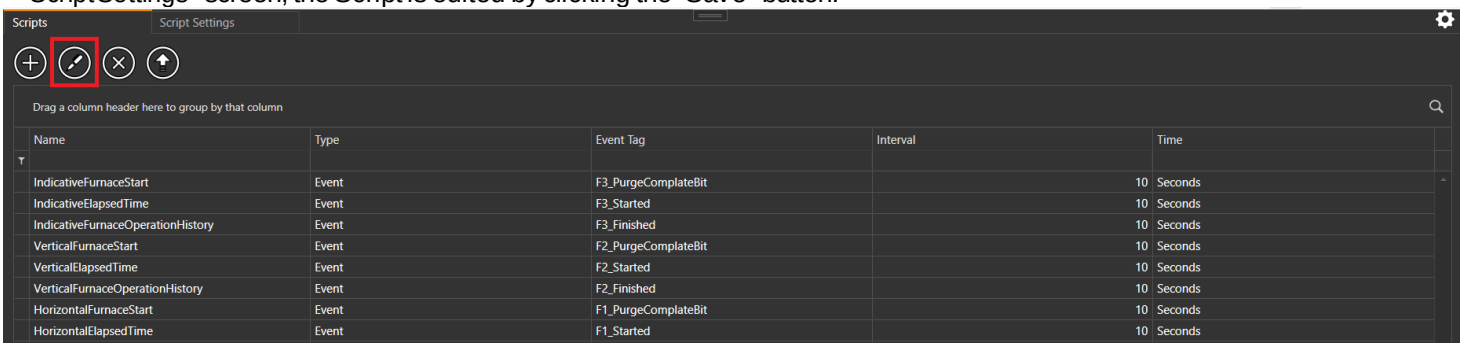
To delete an existing script, press the button with the cross (x) in the second row of the controls on the upper left. When the button is pressed, "Are you sure?" A warning will appear.



If the confirmation is given, the Script will be deleted.

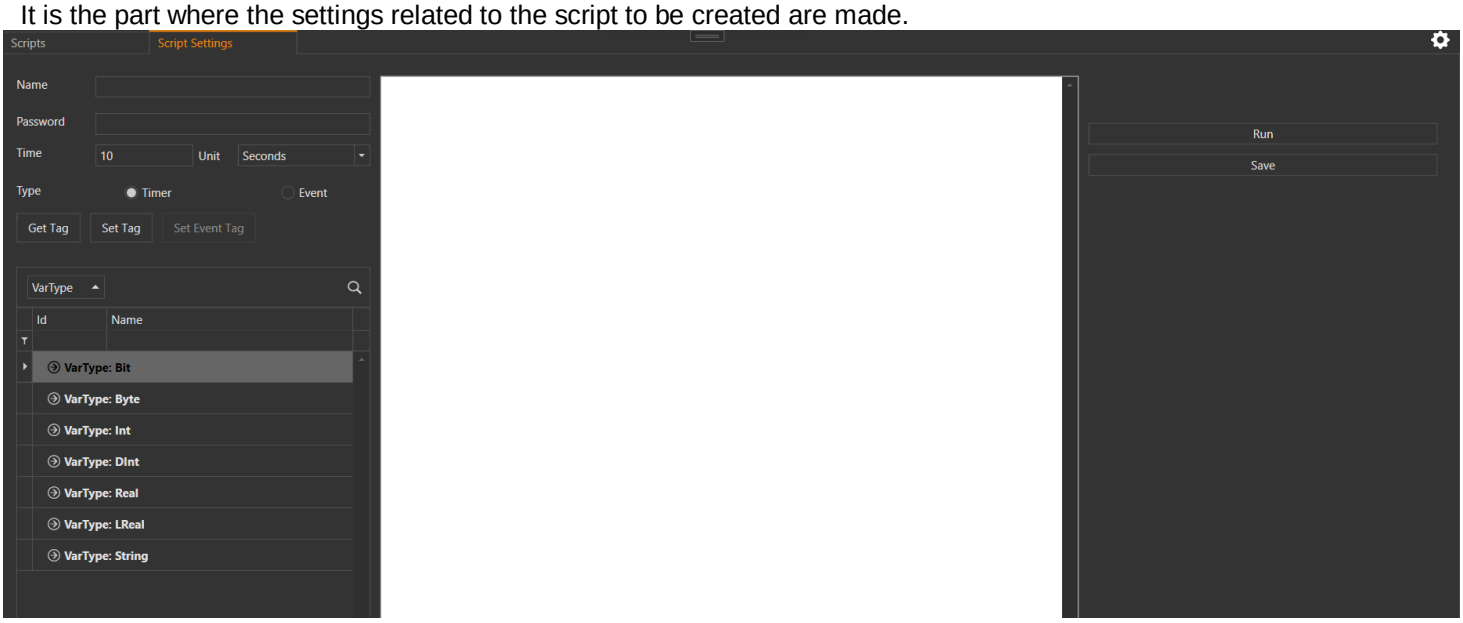
Script Editing

To edit an existing script, click on the "Script Edit" button in the second row of the controls in the upper left. When the "Script Editing" button is pressed, it is directed to the "Script Settings" screen. After making the necessary adjustments on the "Script Settings" screen, the Script is edited by clicking the "Save" button.



SCRIPT SETTINGS

It is the part where the settings related to the script to be created are made.



Script Settings

- Script Name
- Password (Please note. It will be required in case of script deletion.)
- Time and Time Unit
- Event Tag
- Type (It works according to the specified time or event.)

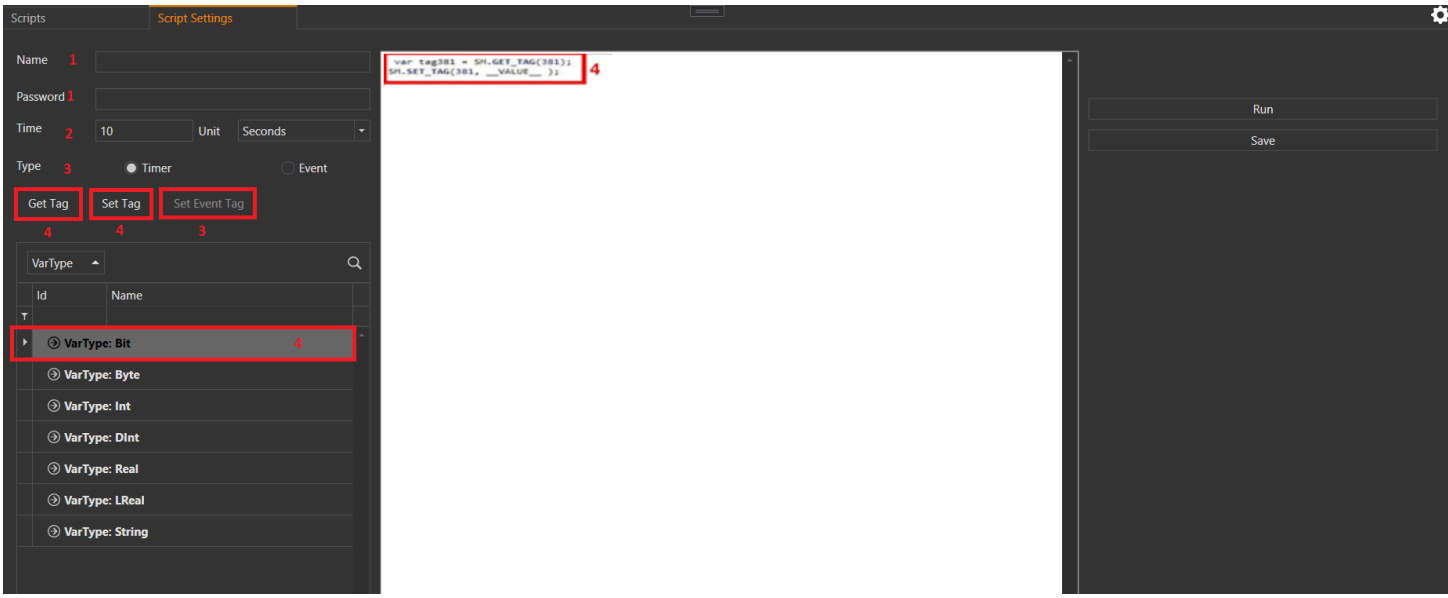
consists of sections.

SETTING FOR A NEW script

To set up a new script;

1. A name is given to the script. Script password (Please Note!) Is determined.
2. If Script Type "Timer" is selected, the script time is determined. The script works by repeating at the specified time. Time units are;
    - Milisecond
    - Seconds
    - Minutes
    - Hour
    - Day
3. If Script Type "Event" is selected, an event is created. Event Tag is the section where the condition of the Tag value set is determined. A tag selected from the tag list below is set to the left of the Event Tag box by clicking the "Set Event" button. One of the symbol values that we want is selected from the middle box for comparison of this set tag value with the value we will write on the right side.
    These values;
    - ==
    - !=
    - >
    - >=
    - <
    - <=

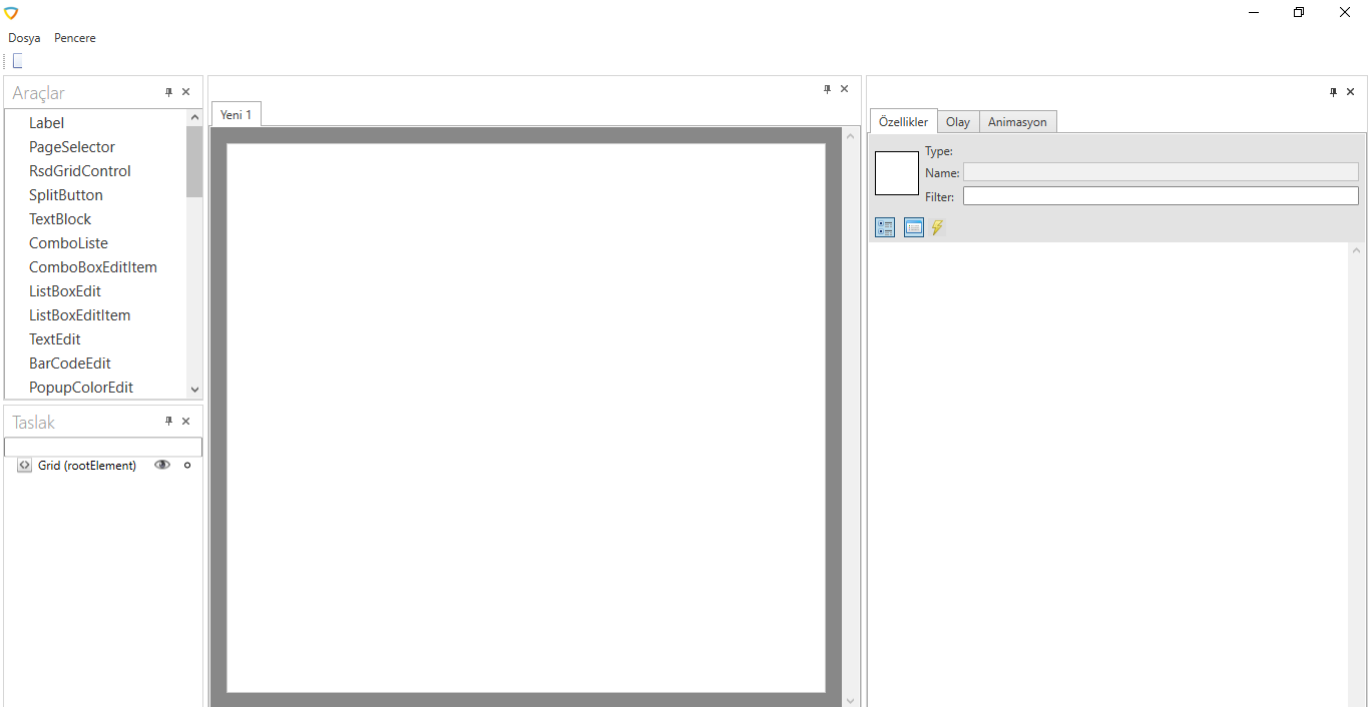
    shaped.
4. Desired scripts are written on the Script Screen. If you want to take action on any tag, the tag is selected from the Tag list below. "Bring the tag" button is used to call the selected Tag in script screen. The "Set Tag" button is used to set the selected tag value.



If you want to run immediately after making the script settings, "Run" button is pressed, if it is desired to be saved, it is saved by clicking the "Save" button.

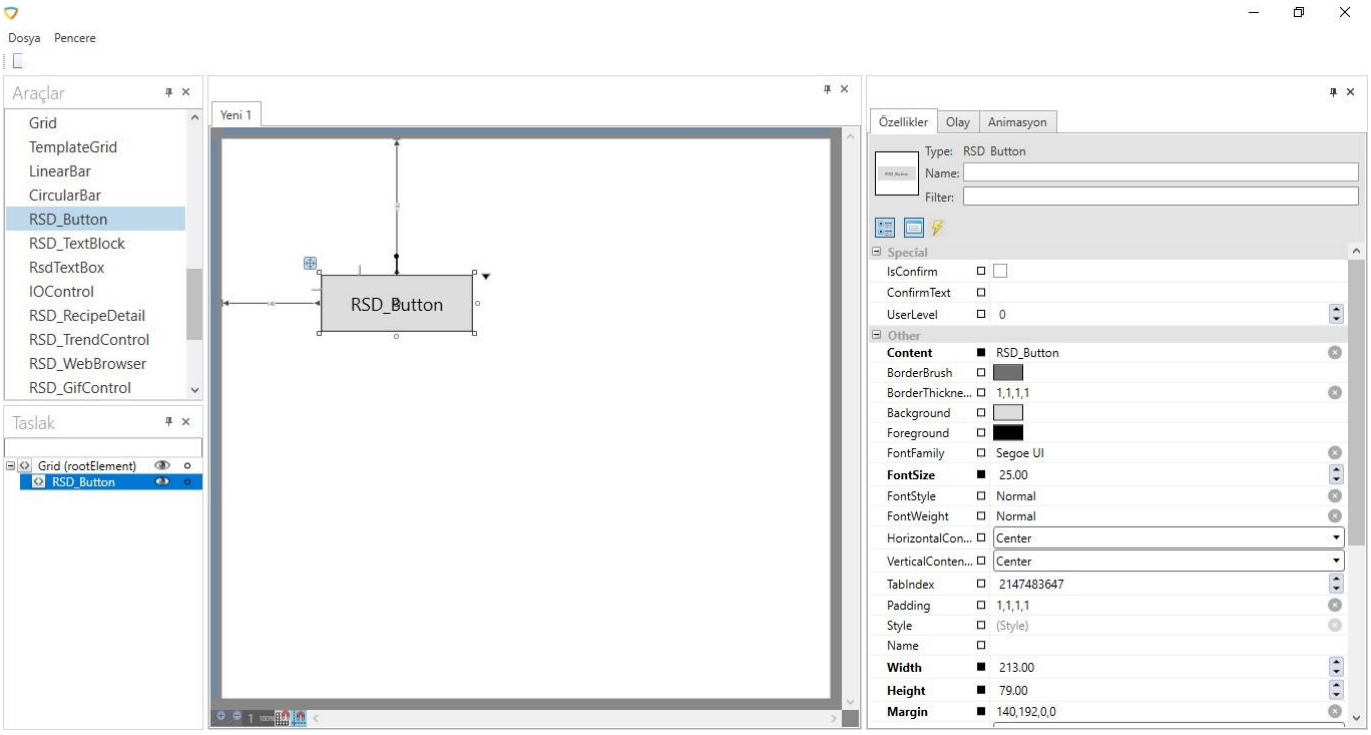
PAGE DESIGN

This is the section where the pages that are desired to be displayed on the RSD Main Screen are designed.



Tools and Drafts

- The tools are located on the left of the Page Design screen. It is the section where the Controls can be used when designing the pages. The selected control can be added to the page either by drag-and-drop or by clicking and selecting anywhere on the page.
- Drafts are located on the left of the Page Design screen and under the Tools section. Drafts are the parts where the controls added to the page are listed, can be selected and deleted.

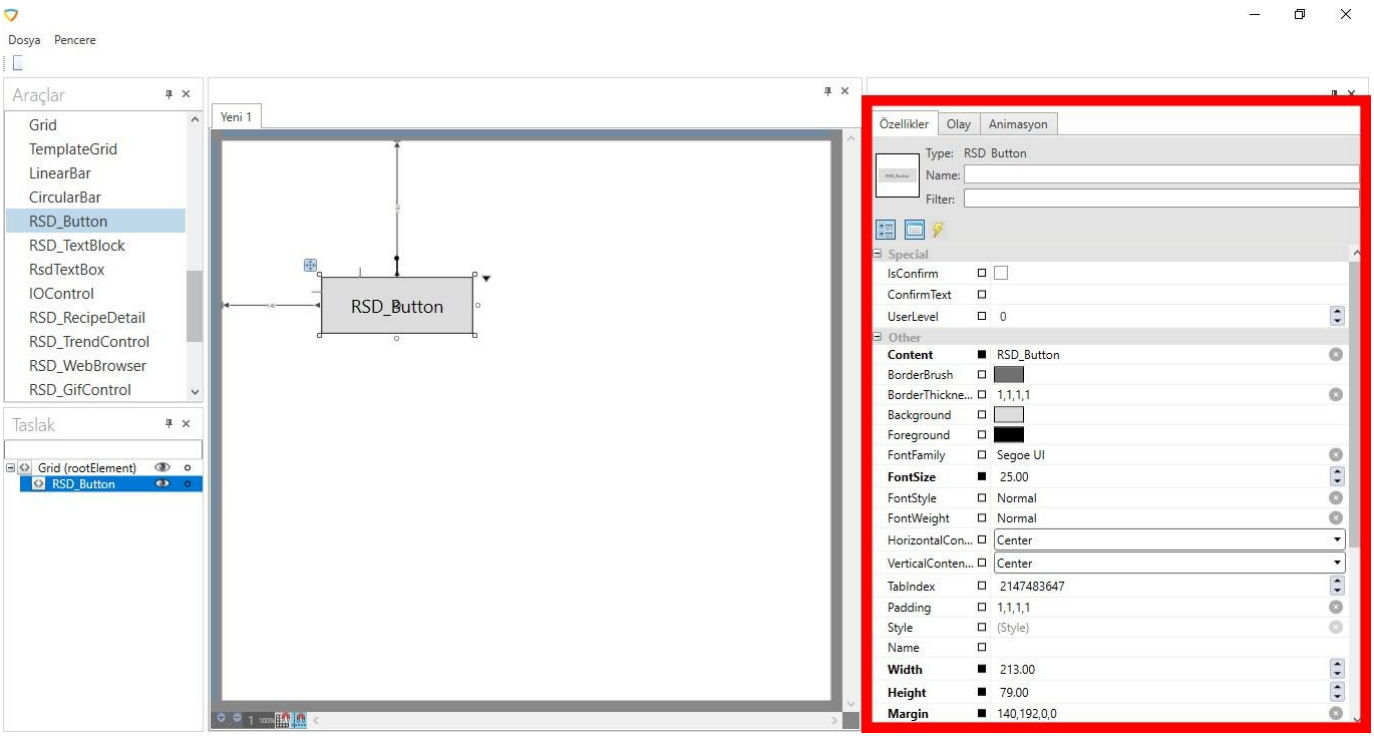


Control Features, Event and Animation Parts

It is the section on the right side of the Page Design screen. It consists of 3 sections.

- **Features**

It is the section where the properties of the selected control are listed and these properties can be changed.



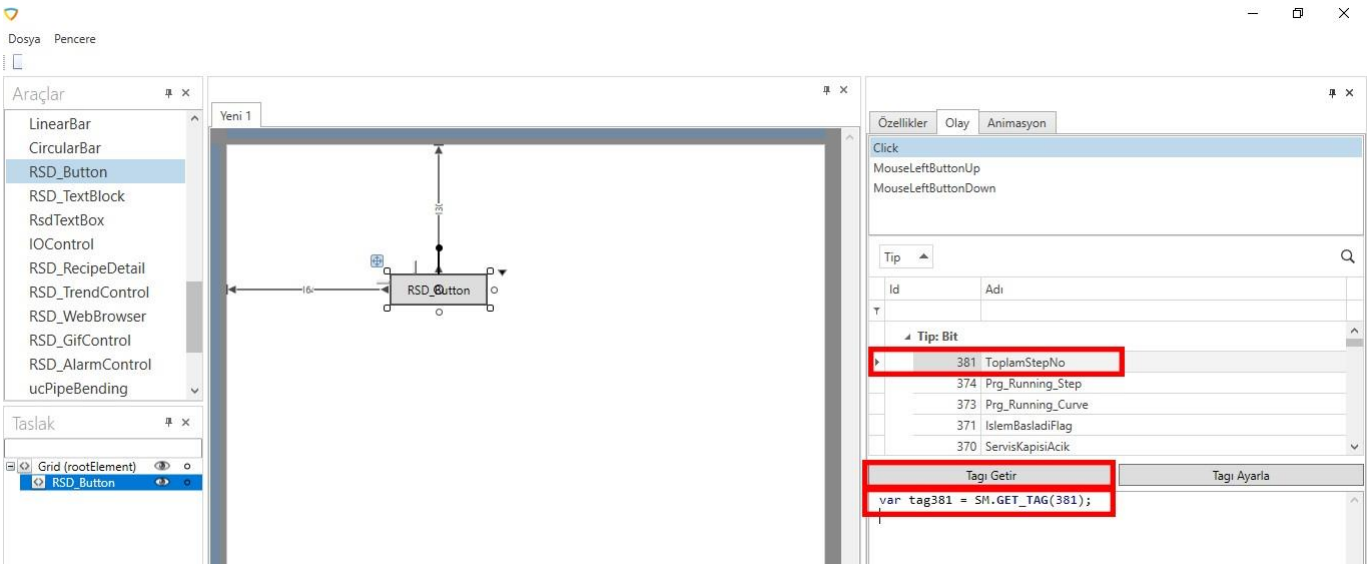
- **Event**

Thanks to the script written to the selected control, it is the part where an event is wanted to happen. Event-specific event name at the top of the event section (eg "Click" event),

Below it is a tag list where all tags in the database are listed by data type. Below it are the "Bring Tag" and "Set Tag" buttons.

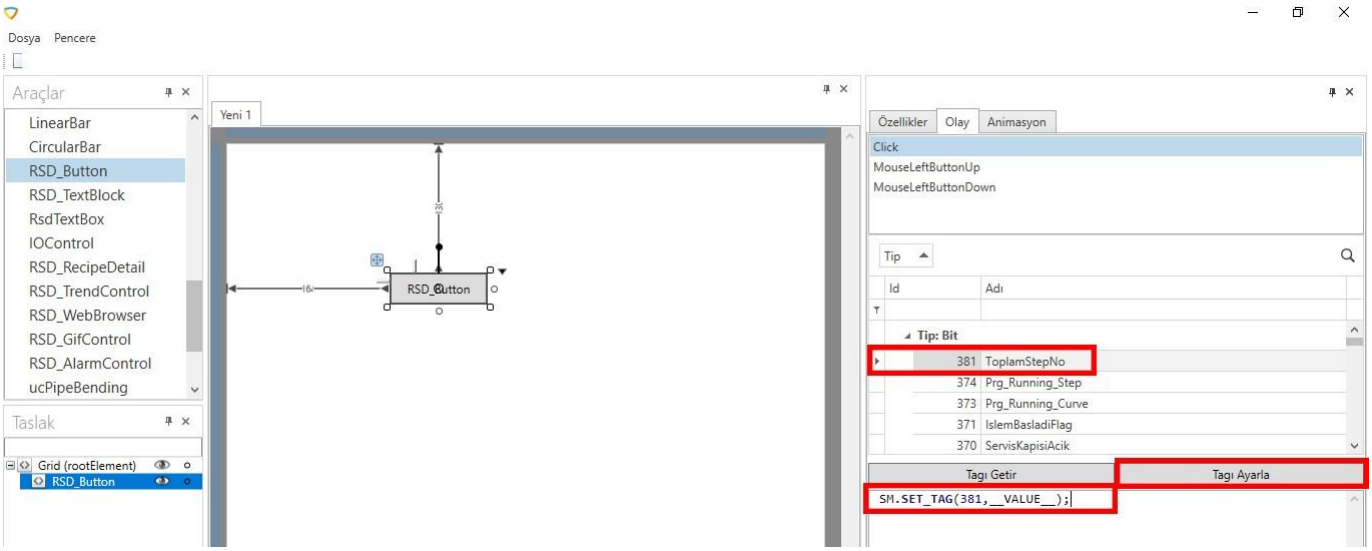
Get Tag Button

Get Tag Click the Get Tag button, the SM.GET_TAG (tag) method, which draws the value of a tag we select from the tag list above, assigns the tag value to a variable. And this piece of code is added to the script line.



Set Tag Button

With the Set Tag button, a new value is assigned to the tag related to the SM.SET_TAG (tag, "_ VALUE_") method, which assigns (sets) the value we will give to the tag we select from the upper tag list. This piece of code is added to the script line.



Script Language

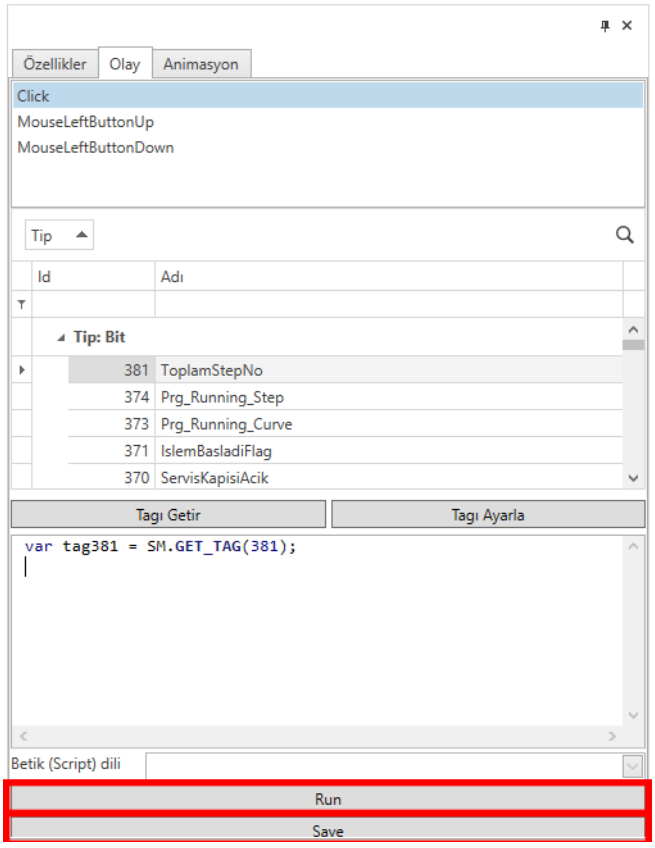
It is the section where we determine which programming language we will write the script we write in the script field.

Run Button

It is used to run the script written in the script field, that is, to test the code.

Save Button

It is used to save the script written in the script field. When we write a script for a control, it must be saved before moving to another control or leaving the page design module.

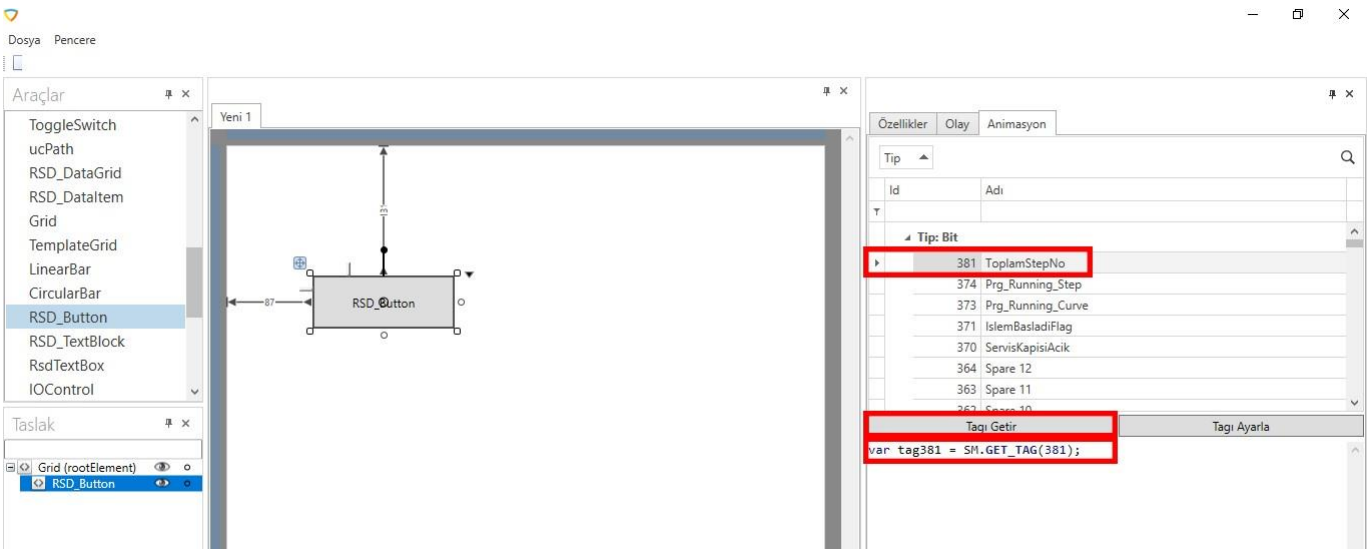


- **Animation**

Thanks to the script written to the selected control, the script is run as long as the program is running. At the top of the event section there is a tag list where all tags in the database are listed by data type. Below it are the "Get Tag" and "Set Tag" buttons.

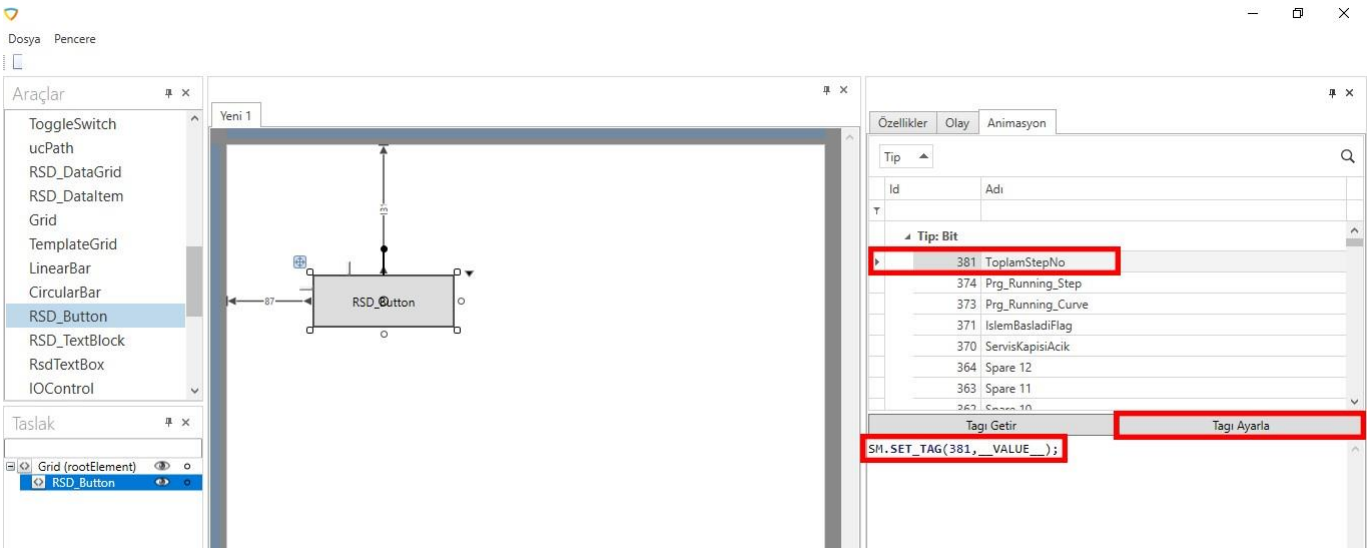
Get Tag Button

The SM.GET_TAG (tag) method, which draws the value of a tag we select from the tag list above, takes the relevant tag value and assigns it to a variable. And this piece of code is added to the script line.



Set Tag Button

With the Set Tag button, a new value is assigned to the tag related to the SM.SET_TAG (tag, "_VALUE_") method, which assigns (sets) the value we will give to the tag we select from the upper tag list. This piece of code is added to the script line.



Script Language

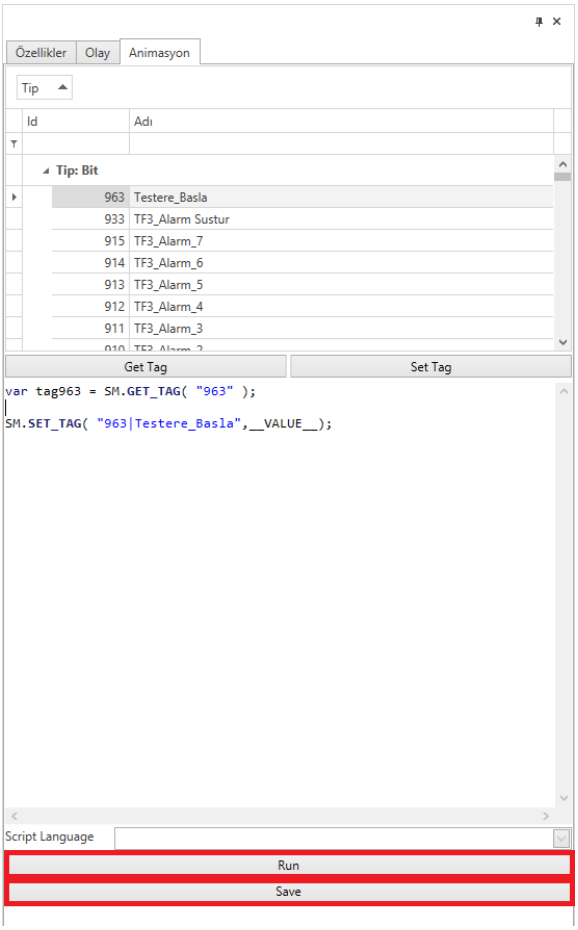
It is the section where we determine which programming language we will write the script we write in the script field.

Run Button

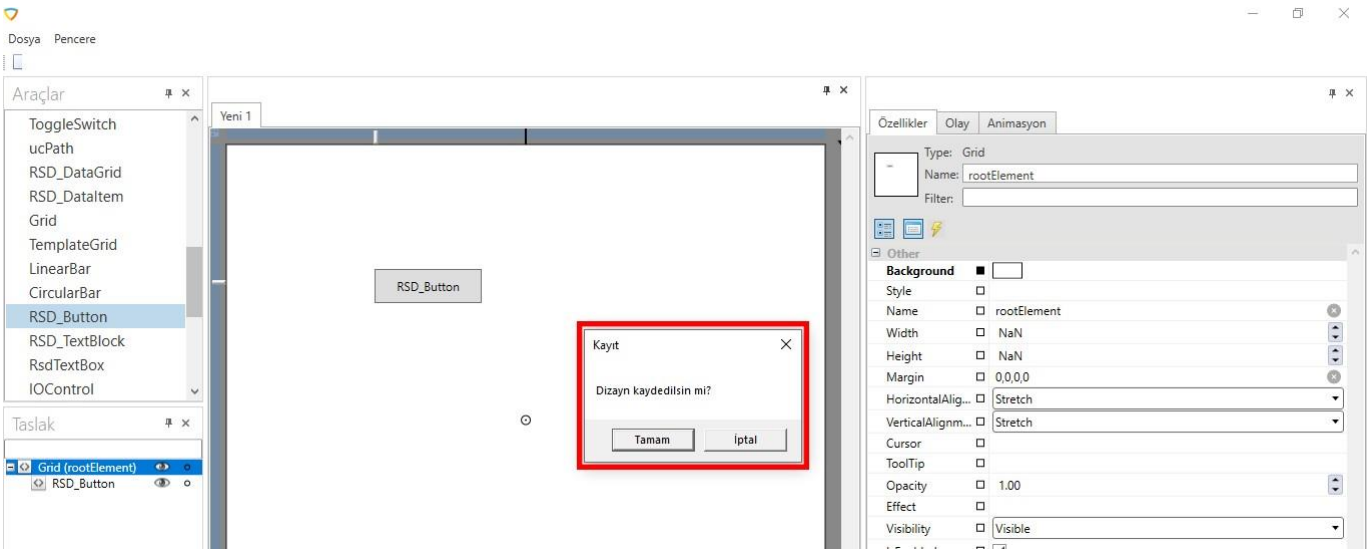
It is used to run the script written in the script field, that is, to test the code.

Save Button

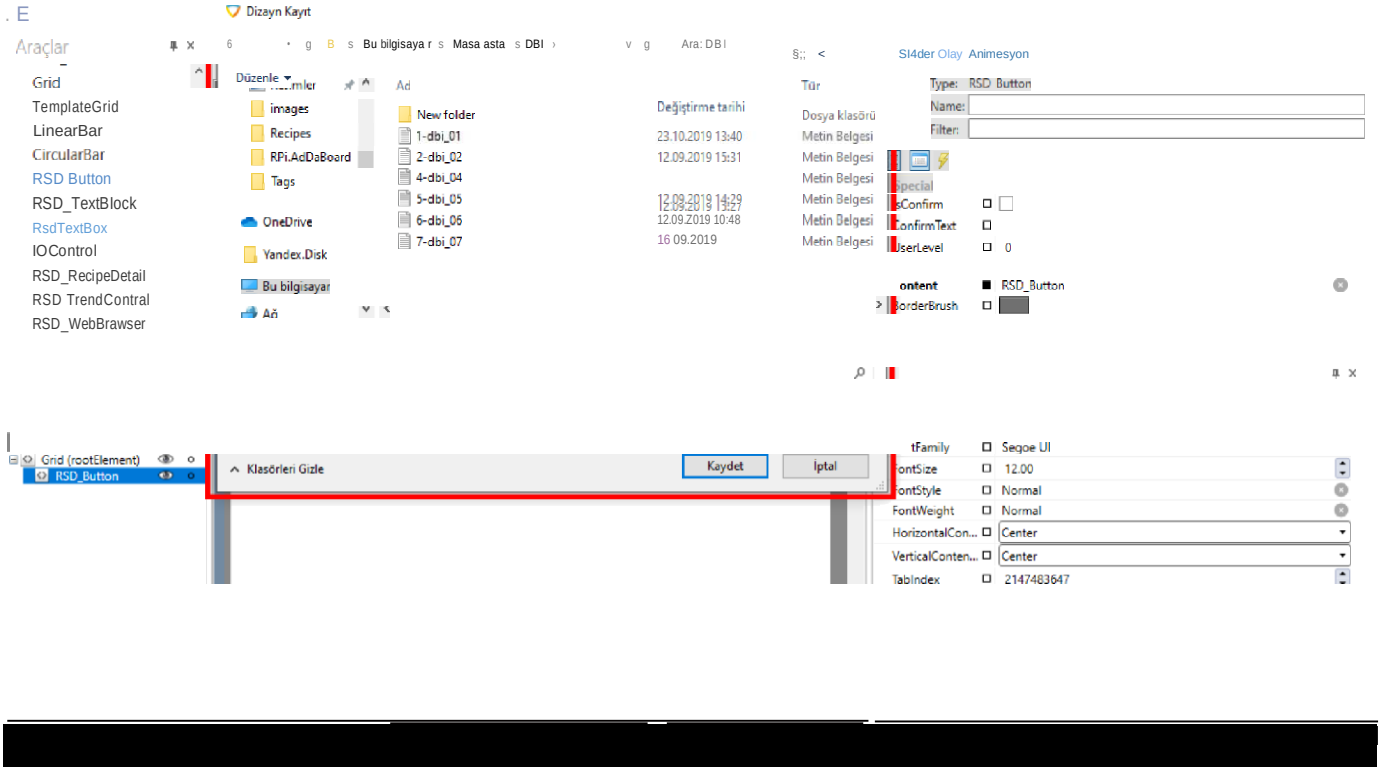
It is used to save the script written in the script field. When we write a script for a control, it must be saved before moving to another control or leaving the page design module.



When closing the page, the screen "Save Design?" If the design is not wanted to be saved, press the "Cancel" button or the cross
(x) mark at the top right of the warning box.

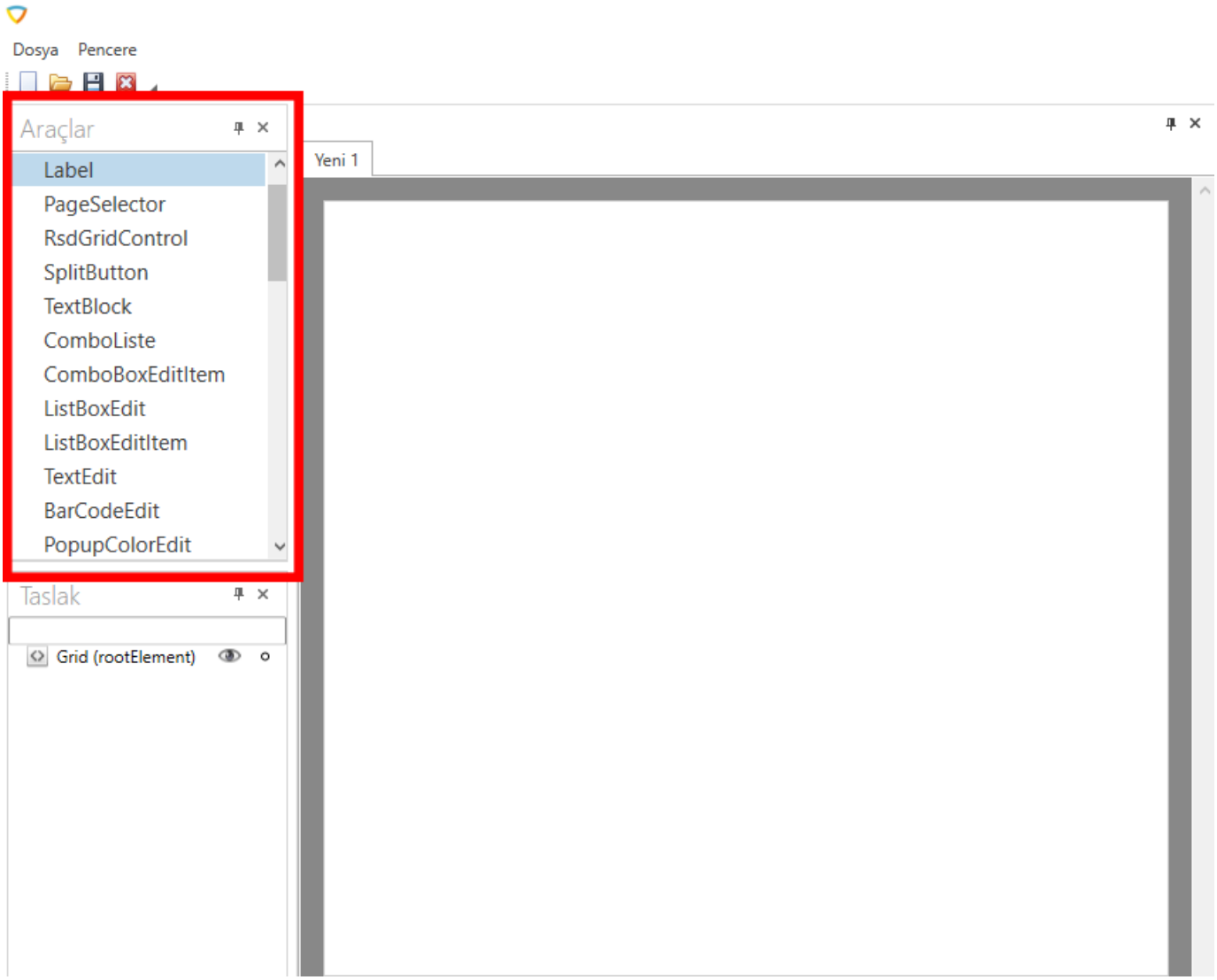


If it is desired to save the design, click "OK" button and in the window that opens, where and with which name the design will be saved is determined.


Dizayn Kayıt
Araçlar
Grid
TemplateGrid
LinearBar
CircularBar
RSD Button
RSD_TextBlock
RsdTextBox
IOControl
RSD_RecipeDetail
RSD TrendContral
RSD_WebBrawser
Düzenle
images
Recipes
RPi.AdDaBoard
Tags
OneDrive
Yandex.Disk
Bu bilgisayar
Ad
New folder
1-dbi_01
2-dbi_02
4-dbi_04
5-dbi_05
6-dbi_06
7-dbi_07
Değiştirme tarihi
23.10.2019 13:40
12.09.2019 15:31
12.09.2019 14:29
12.09.2019 13:27
12.09.2019 10:48
16 09.2019
Tür
Dosya klasörü
Metin Belgesi
Type: RSD_Button
Name:
Filter:
UserLevel
RSD_Button
Grid (rootElement)
RSD_Button
Klasörleri Gizle
Kaydet
İptal
FontSize
FontStyle
FontWeight
HorizontalCon...
VerticalConten...
TabIndex
Segoe UI
12.00
Normal
Normal
Center
Center
2147483647

DESIGN TOOLS

This is the area where examples of the functions and uses of the various tools used in screen design are given.

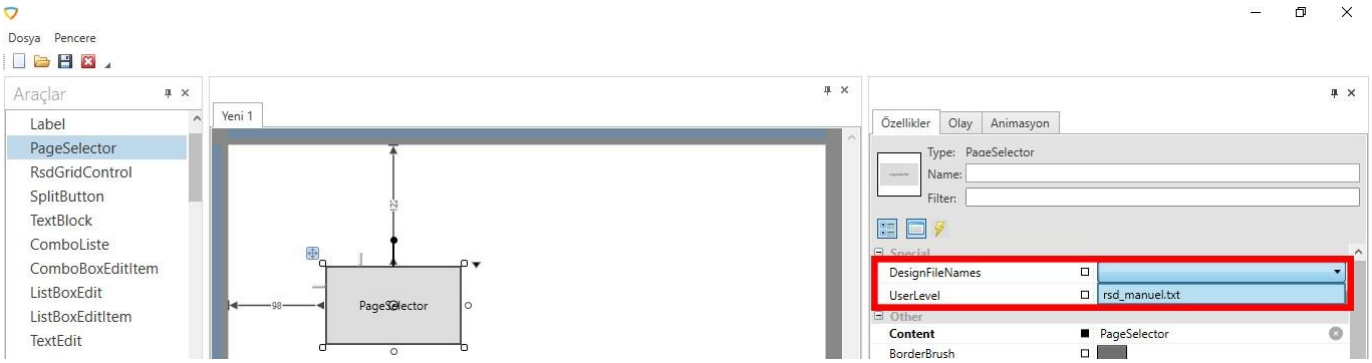


Label

- It is a tool in which the desired texts can be written easily within the label design screen.
- Background color, font color, font, font size, etc., from the Label properties tab. adjustments can be made
- easily. Sample Codes;
  1. Text Change: DesignObjects.LabelName.Content = "Text to be Written";
  2. Background Color Change: DesignObjects.LabelName.Background = Brushes. Desired Color;
  3. Font Color Change: DesignObjects.LabelName.Freground = Brushes. Desired Color;
  4. Font Size: DesignObjects.LabelName.FontSize = Desired SizeValue;
  5. Visibility: DesignObjects.LabelName.Visibility = Visibility. Desired Status (Visible = Visible - Hidden = Invisible)

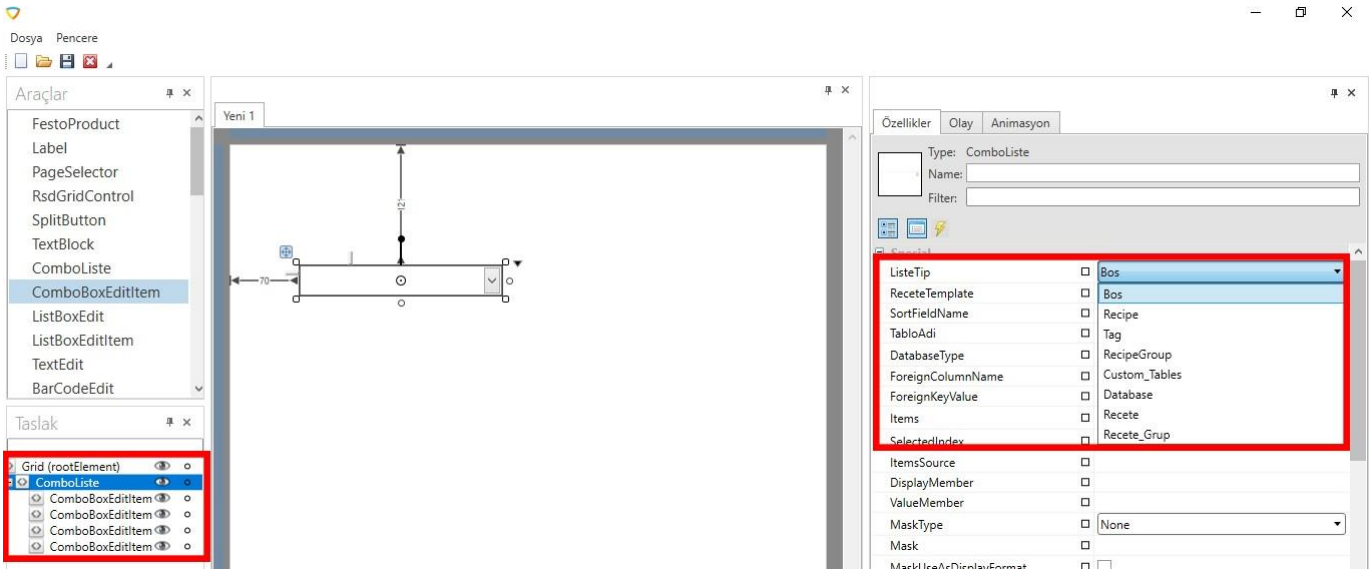
Page Selector

- Page Selector is a special button designed for easy page transitions within our design screen.
- You can easily go to the desired page when clicked by selecting the desired page from the DesignFileNames option on the Properties tab.
- With UserLevvel option on the Properties tab, clickable-non-clickable status can be set for different users in
- page transitions. With the same label, background color, font color, font, font size etc. adjustments can be made easily.



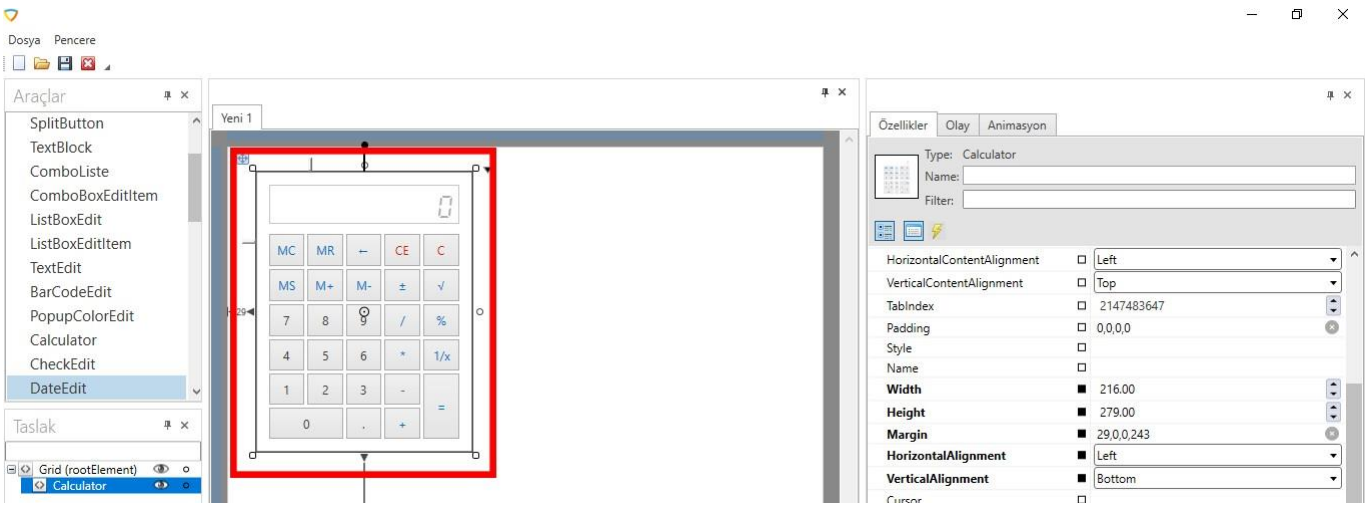
ComboListe

- It is a tool developed to provide a comfortable view and easy selection of a desired list with ComboListe tool.
- With the ListTip option on the Properties tab, you can easily call the lists such as Prescription, Tag, Database specified previously.
- You can create your own list by adding ComboBoxEditItem. You can find the coding examples of ComboList in sample scripts in sample 3 on the scripts tab.



Calculator

- In cases where calculations are required on the Design screen, you can use the calculator tool for convenience. Just drag and drop on the Design screen.



ChechEdit

- Depending on whether it is selected with our CheckEdit tool, transactions can be performed. EditValue False on the Properties tab will be unselected on the first page load. If this tab is set to True, it will be loaded in the selected state.
- With the same label, background color, font color, font, font size etc. adjustments can be made easily.
- You can access the information and codes in the sample 2 in the sample scripts tab on the Script examples tab regarding the

use of CheckEdit.

ToggleSwitch

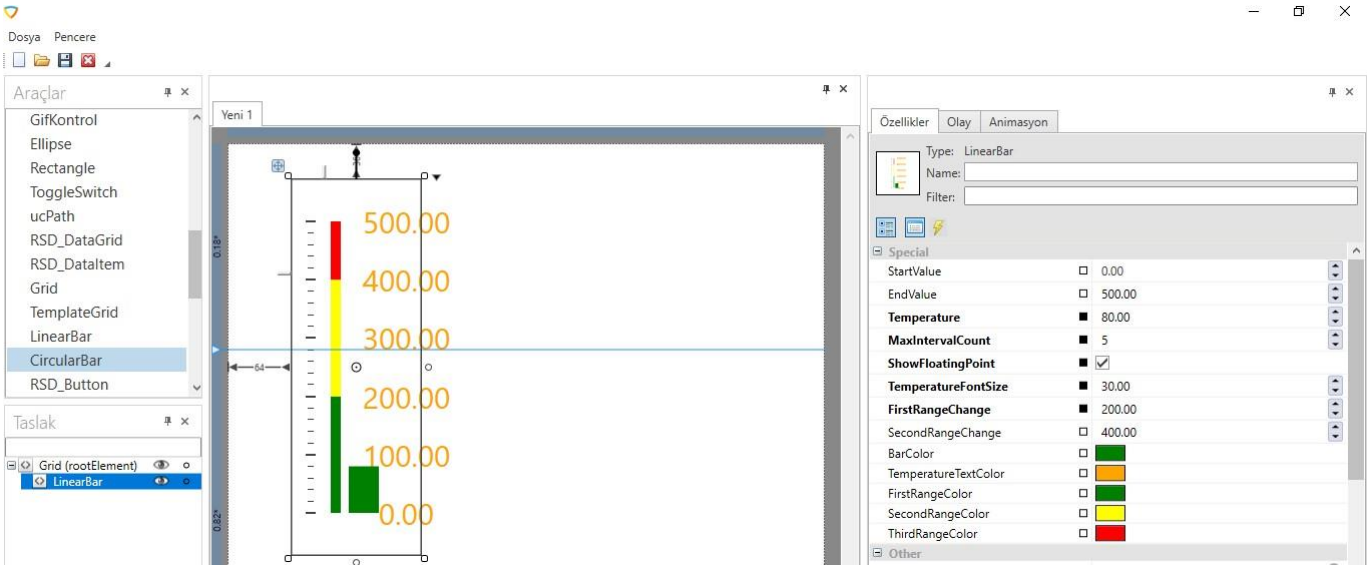
- Our ToggleSwitch tool has similar functionality to the CheckEdit tool. They are visually different. It has a visually key-like appearance.
- You can access the information and codes in the sample 2 in the sample scripts tab on the Script examples tab about using ToggleSwitch.

Grid

- Grid system is the process of aligning a page horizontally and vertically into columns in the field of graphics and
- design. Using Grid has many advantages for us. Thanks to Grid, it is ensured that our other vehicles that we use stop in the draft area collectively.
- If we make more than one of the same design, we can create it in a grid and reproduce it with the copy-paste
- operation. Likewise, when we want to change the position of our vehicles on the design screen, instead of changing them one by one, all the vehicles in the grid can be positioned in the same way.
- Note: If we align all vehicles positioned in the grid as Left-Top, we will not encounter positioning problems in the changes.

LinearBar

- LinearBar tool is a tool developed to display data graphically. Visuality and easy view can be used at
- desired points. Settings such as StartValue (Minimum value), EndValue (Maximum value),
- MaxIntervalCount (Value frequency),
- ShowFloatinPoint (Whether to show digits after comma), TemperatureFontSize (Font size) can be made in the
- Properties tab. LinearBar consists of 3 areas. These fields are referred to as First, Second, Third Range. It was made in order to observe the changes easily.
- From the FirstRangeChange and SecondRangeChange section, we can adjust the intervals.
- It can be set as BarColor (Graph bar color), TemperatureTextColor (Text color), FirstRangeColor (Color of first value range), SecondRangeColor (Color of second value range), ThirdRangeColor (Color of third value range).
- You can find sample usage related to LinearBar in sample scripts in sample 4 in the scripts tab.

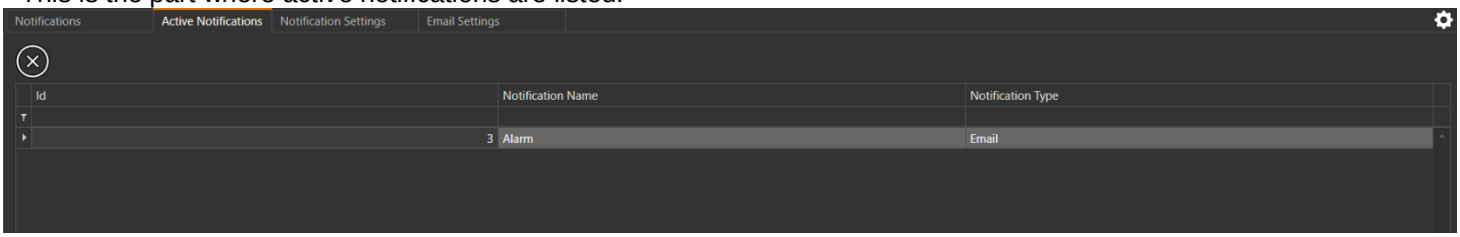


CircularBar

- Our CircularBar tool is a tool developed to display data in a circle. Visuality and easy view can be used at desired points.
- In the Properties tab, TextColor (IndicatorBrush (Full field color), BackgroundBrush (Background color), TotalValue (Maximum Value) properties can be easily set.
- LinearBar consists of 3 areas. These fields are referred to as First, Second, Third Range. It was made in order to observe the changes easily.
- From the FirstRangeChange and SecondRangeChange section, we can adjust the intervals.
- It can be set as BarColor (Graph bar color), TemperatureTextColor (Text color), FirstRangeColor (Color of first value range), SecondRangeColor (Color of second value range), ThirdRangeColor (Color of third value range).
- You can find example usage of CircukarBar in sample scripts in Example 4 on the Scripts tab.

ACTIVE NOTIFICATIONS

This is the part where active notifications are listed.



Active Notifications

- Id
- Notification Name
- Notification Type (SMS or Email)

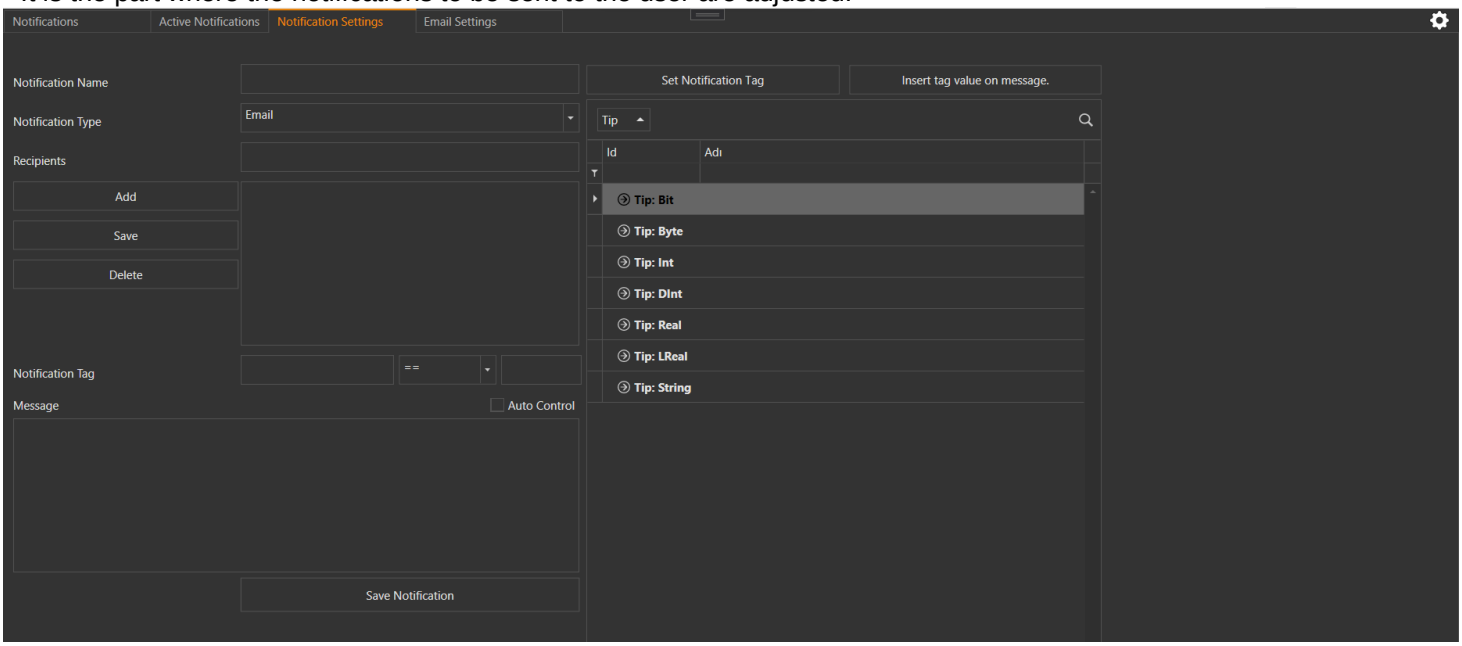
consists of sections.

ACTIVE NOTIFICATION DELETION

To delete the Active Notifications listed, press the button with the cross (x) sign. When the button is pressed, the selected notification is deleted from the list.

NOTIFICATION SETTINGS

It is the part where the notifications to be sent to the user are adjusted.



Notification Settings

- Notification Name
- Notification Type (SMS or EMAIL)
- Receivers
- Notification Tag (The Part Where the Condition of the Set Tag Value is Determined)
- Message (Notification Message to Send to User)

consists of sections.

SETTING UP FOR A NEW NOTICE

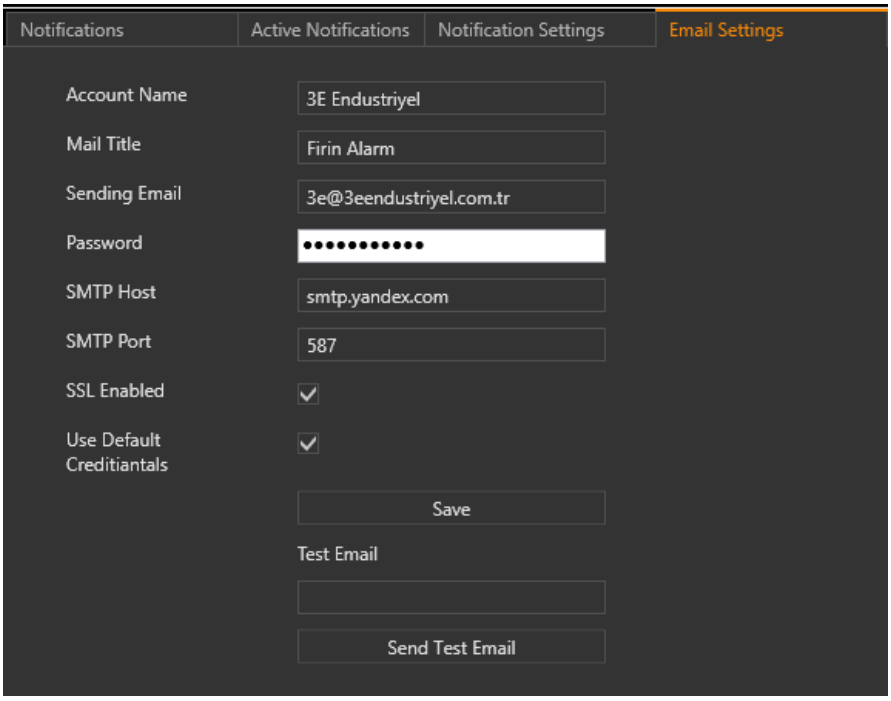
To set up a new notification;

1. A name is given to the notification name. This is the name that identifies the notification we will send to the user.
2. Notification Type is selected. This can be selected as either SMS or Email.
3. The phone number (for SMS) or Email address (for Email) of the user to whom we will send the notification is entered into the recipients box and added to the list by clicking the "Add" button. Click "Save" if we want to save this recipient and "Delete" if we want to delete this recipient from the list.
4. Notification Tag is the part where the condition of the Tag value set is determined. A tag selected from the Tag list on the right is set on the left side of the Notification Tag box by clicking the "Set Notification Tag" button. One of the symbol values that we want is selected from the middle box for comparison of this set tag value with the value we will write on the right side.
   These values are;
   - == (Equal)
   - !=
   - >
   - >=
   - <
   - <=

   spahped.
5. The message is the part where we write the notification message to be sent to the user. The value of a Tag that we select from the list can be added to the message with the "Enter Tag Value for Message" button in the upper right.

EMAIL SETTINGS

Email Settings is the section where the mail settings used to send E-mail notifications are made.



E-Mail Settings Section

- Account Name
- Mail Title
- Sending Email
- Password
- SMTP Host
- SMTP Port
- SSL Enabled
- Use Default Creditiantals

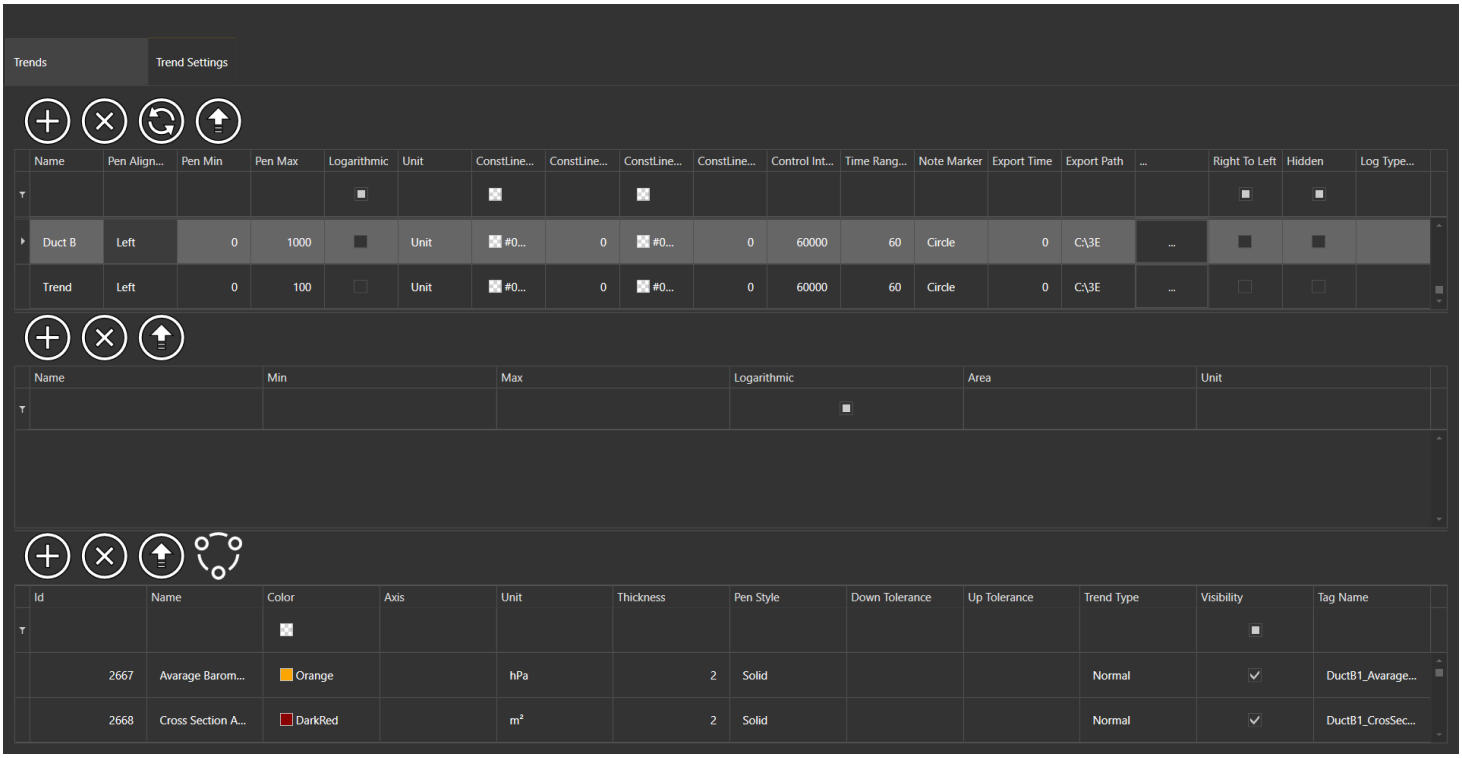
consists of sections.

In addition, the "Send Test Email" button that can be used to test the settings is also located in this section.

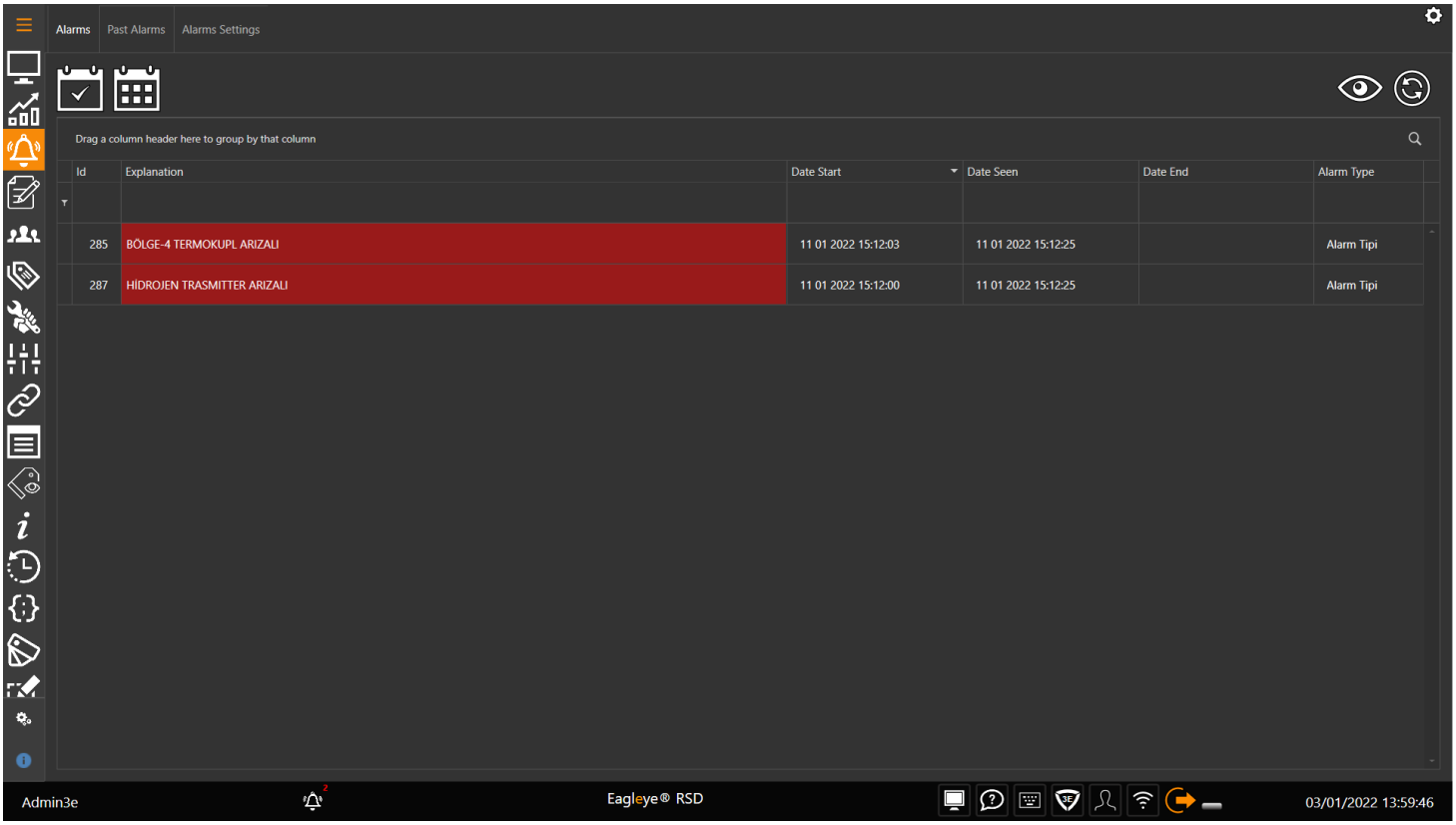
TOUCH SCREEN VİEW

TRENDS

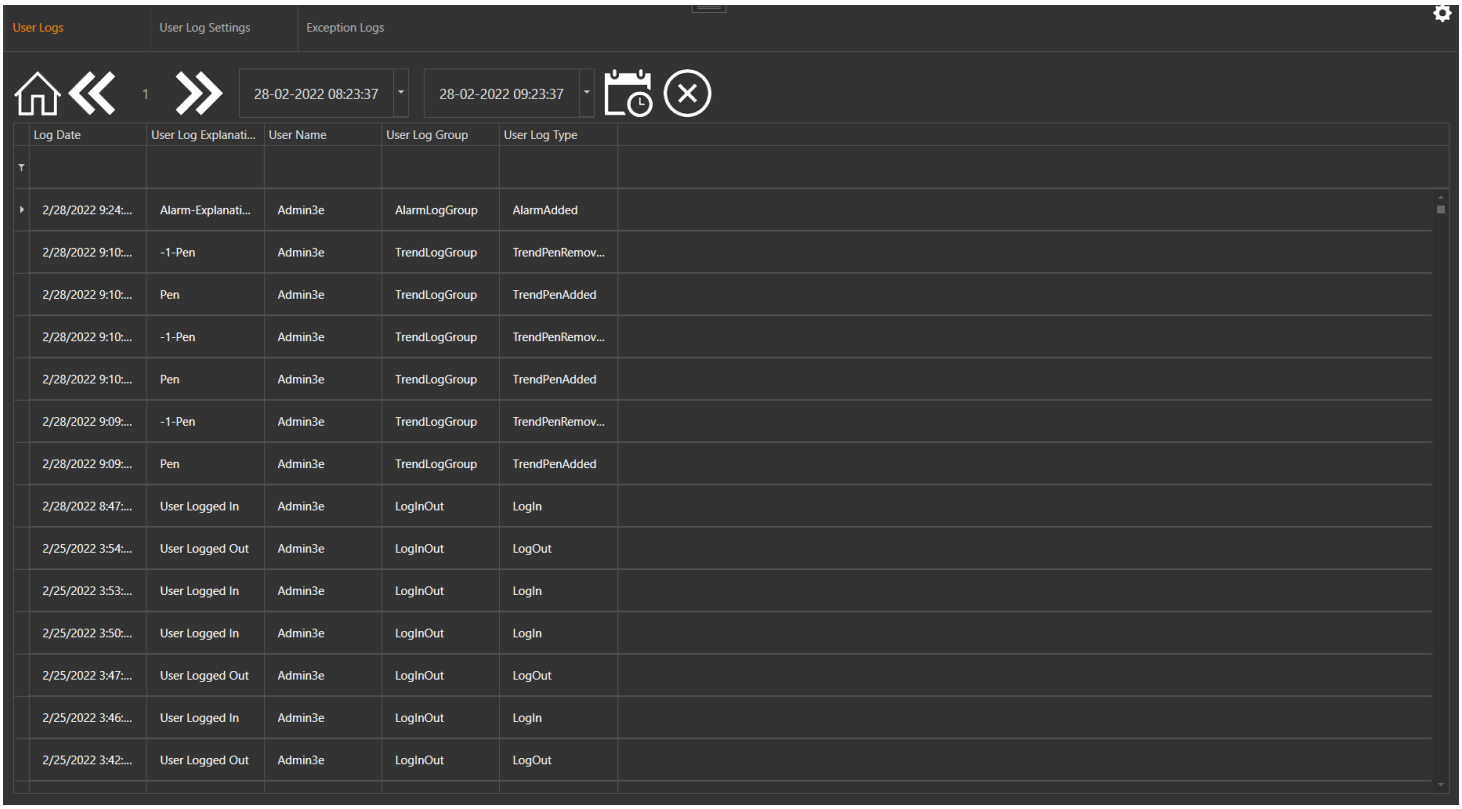
TREND SETTINGS



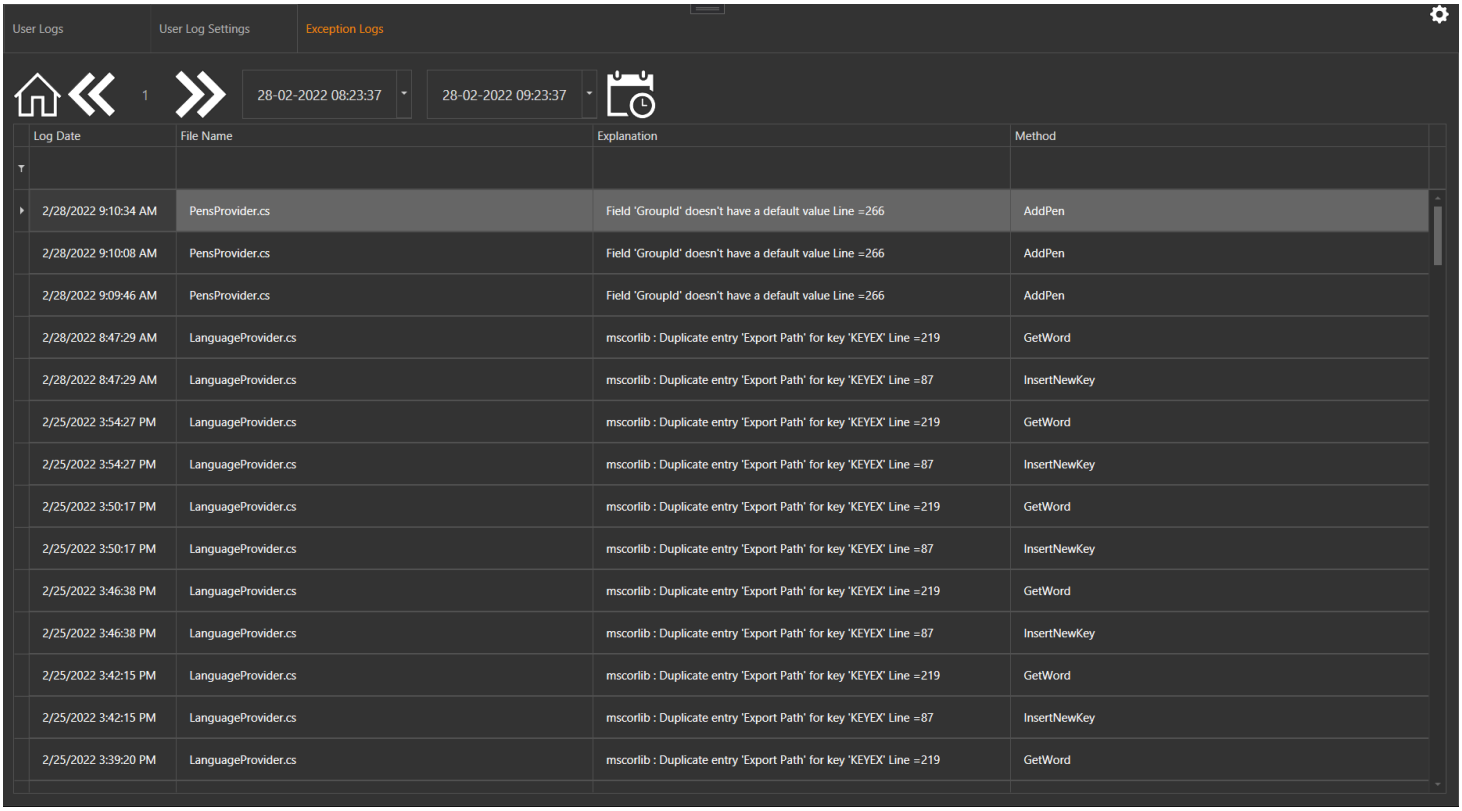
ALARMS



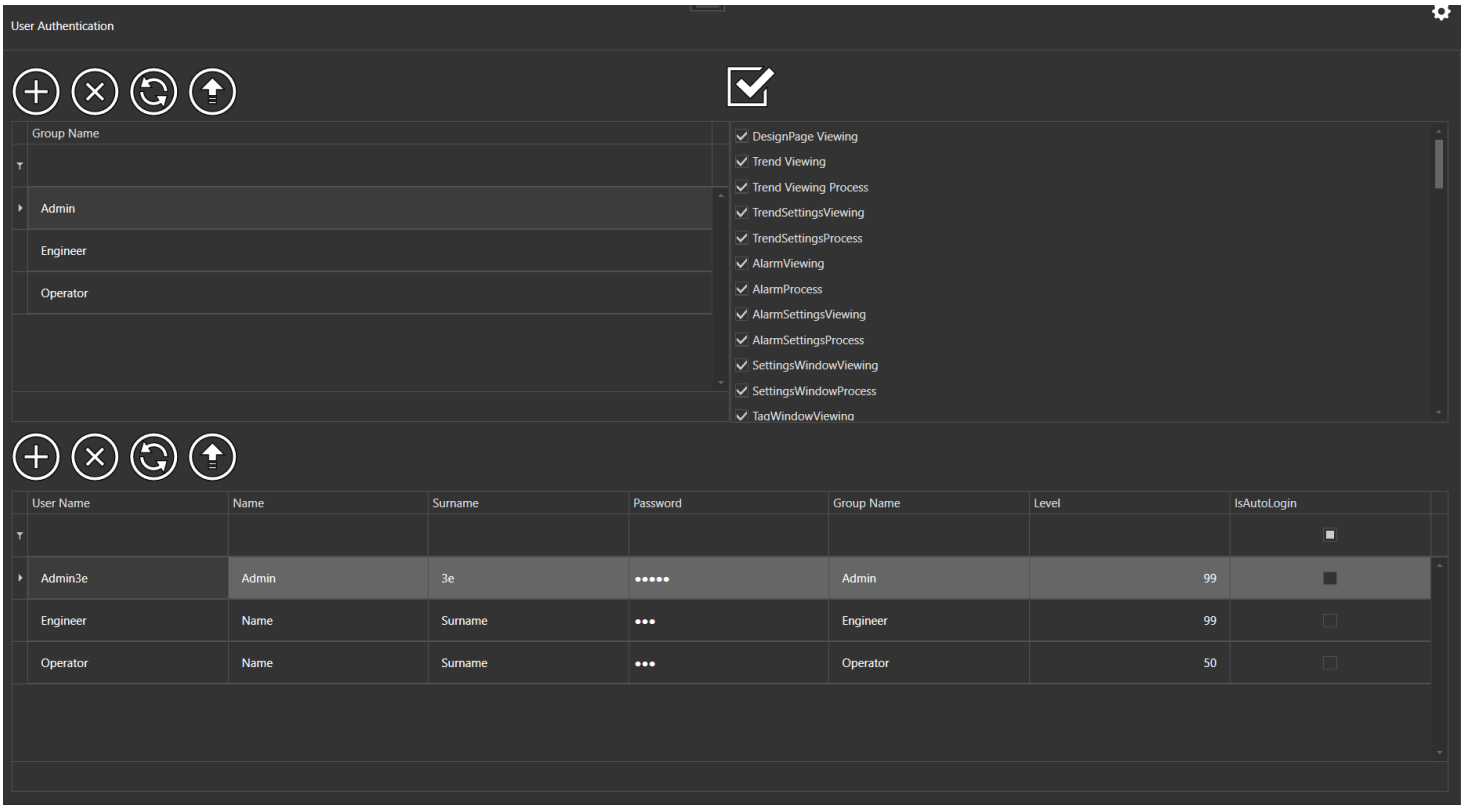
USER LOGS



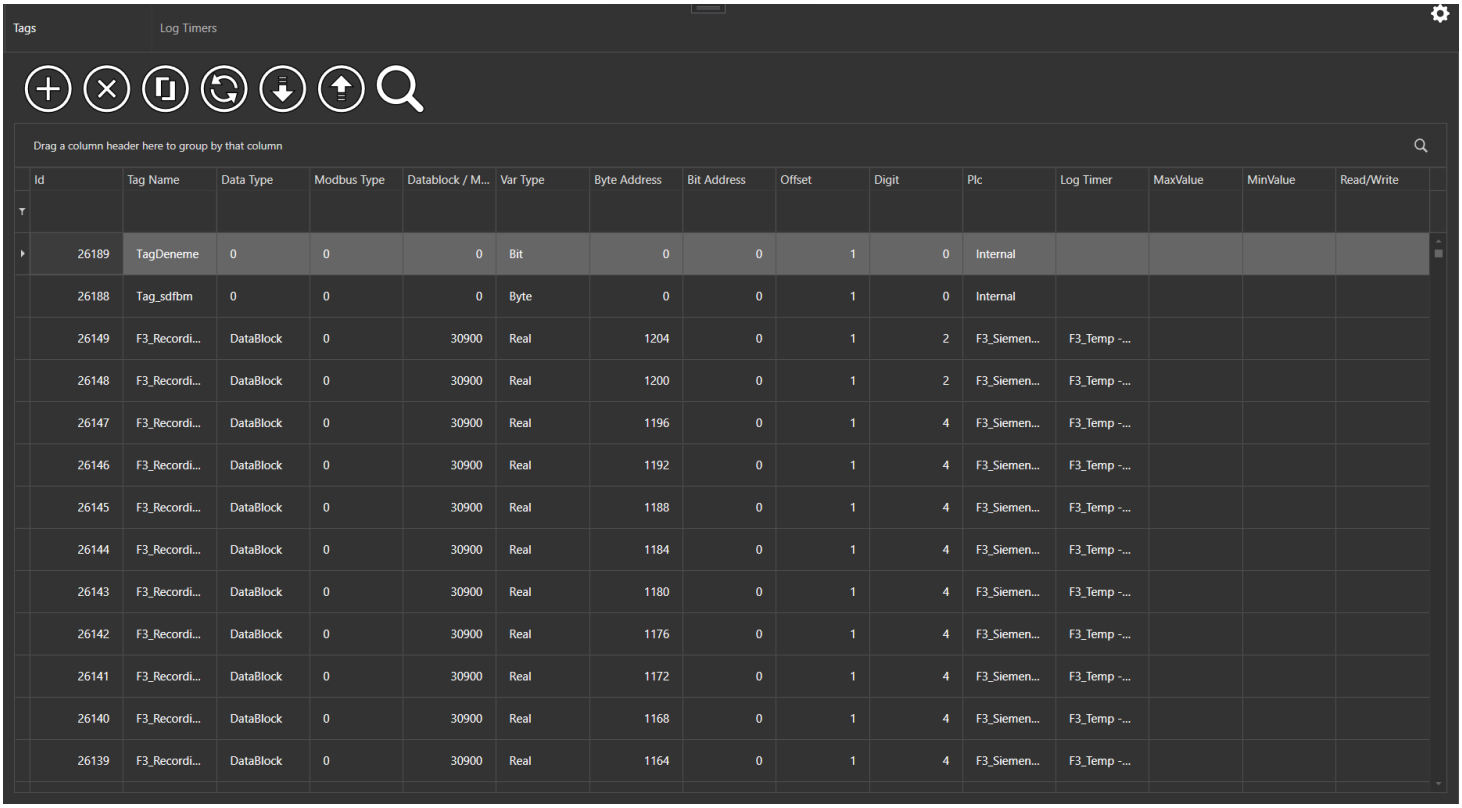
USER EXCEPTION LOGS



USERS

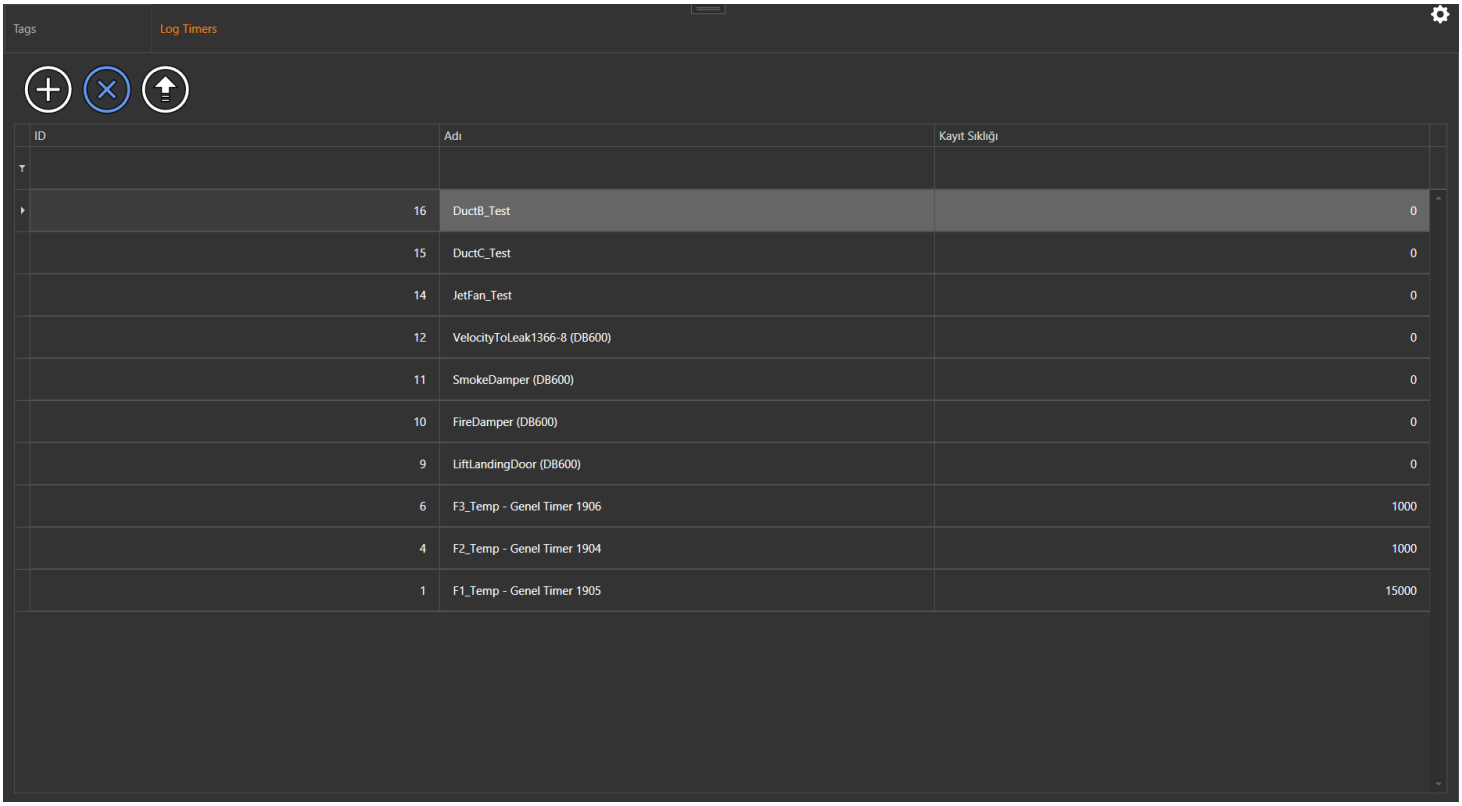


TAGS



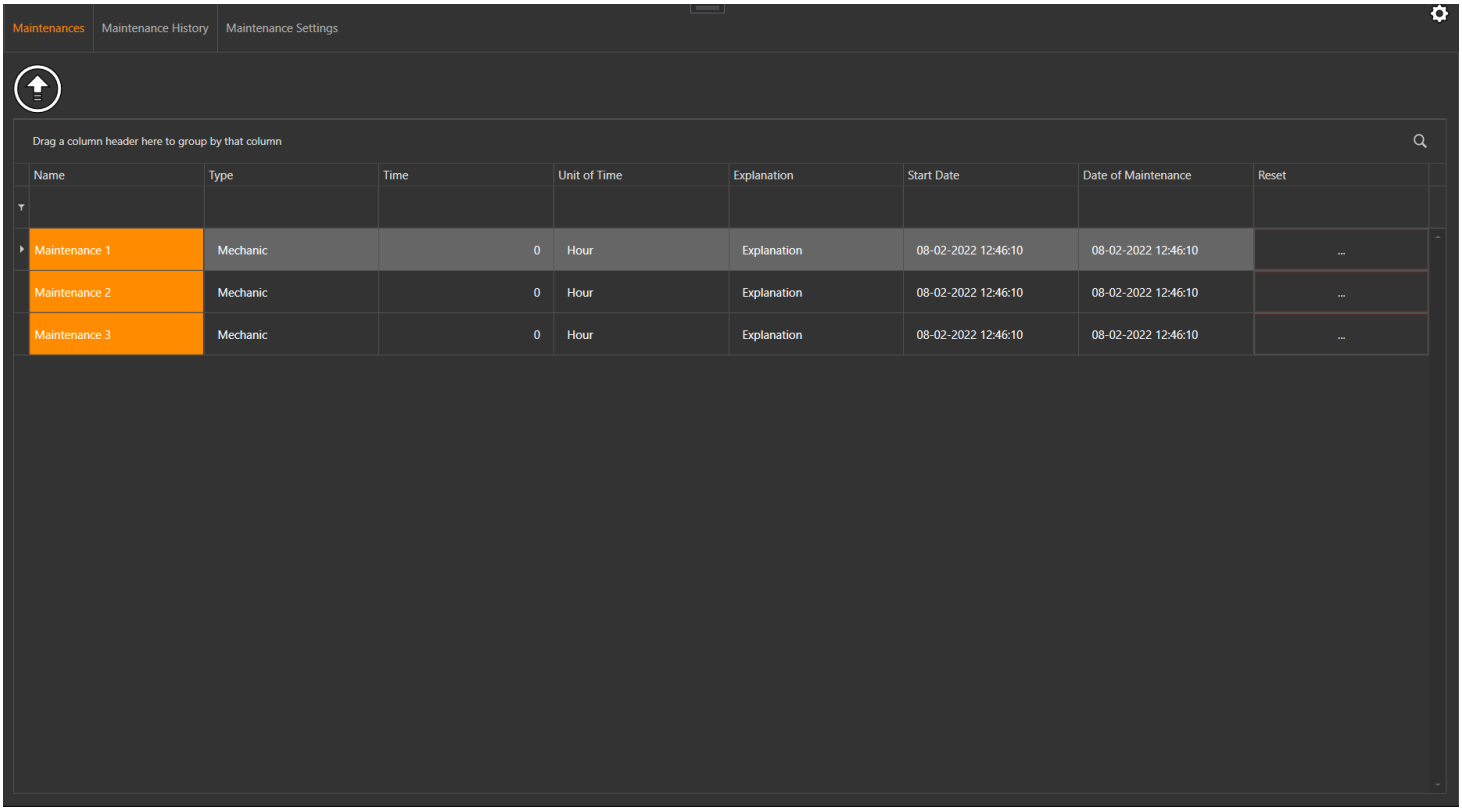
Id	Tag Name	Data Type	Modbus Type	Datablock / M...	Var Type	Byte Address	Bit Address	Offset	Digit	Plc	Log Timer	MaxValue	MinValue	Read/Write
26189	TagDeneme	0	0	0	Bit	0	0	1	0	Internal				
26188	Tag_sdfbm	0	0	0	Byte	0	0	1	0	Internal				
26149	F3_Recordi...	DataBlock	0	30900	Real	1204	0	1	2	F3_Siemen...	F3_Temp -...			
26148	F3_Recordi...	DataBlock	0	30900	Real	1200	0	1	2	F3_Siemen...	F3_Temp -...			
26147	F3_Recordi...	DataBlock	0	30900	Real	1196	0	1	4	F3_Siemen...	F3_Temp -...			
26146	F3_Recordi...	DataBlock	0	30900	Real	1192	0	1	4	F3_Siemen...	F3_Temp -...			
26145	F3_Recordi...	DataBlock	0	30900	Real	1188	0	1	4	F3_Siemen...	F3_Temp -...			
26144	F3_Recordi...	DataBlock	0	30900	Real	1184	0	1	4	F3_Siemen...	F3_Temp -...			
26143	F3_Recordi...	DataBlock	0	30900	Real	1180	0	1	4	F3_Siemen...	F3_Temp -...			
26142	F3_Recordi...	DataBlock	0	30900	Real	1176	0	1	4	F3_Siemen...	F3_Temp -...			
26141	F3_Recordi...	DataBlock	0	30900	Real	1172	0	1	4	F3_Siemen...	F3_Temp -...			
26140	F3_Recordi...	DataBlock	0	30900	Real	1168	0	1	4	F3_Siemen...	F3_Temp -...			
26139	F3_Recordi...	DataBlock	0	30900	Real	1164	0	1	4	F3_Siemen...	F3_Temp -...			

TAG LOG TIMER

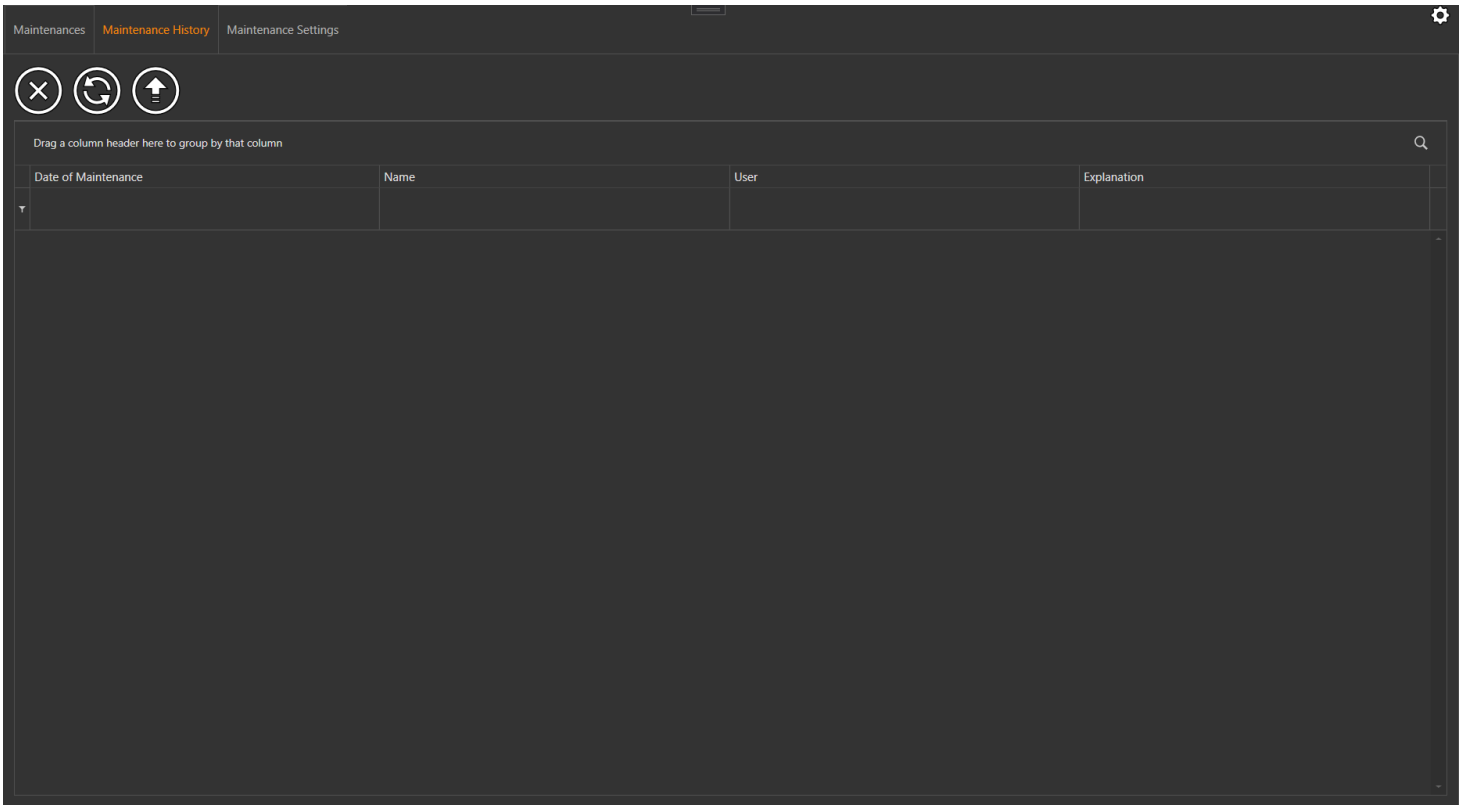


ID	Adı	Kayıt Sıklığı
16	DuctB_Test	0
15	DuctC_Test	0
14	JetFan_Test	0
12	VelocityToLeak1366-8 (DB600)	0
11	SmokeDamper (DB600)	0
10	FireDamper (DB600)	0
9	LiftLandingDoor (DB600)	0
6	F3_Temp - Genel Timer 1906	1000
4	F2_Temp - Genel Timer 1904	1000
1	F1_Temp - Genel Timer 1905	15000

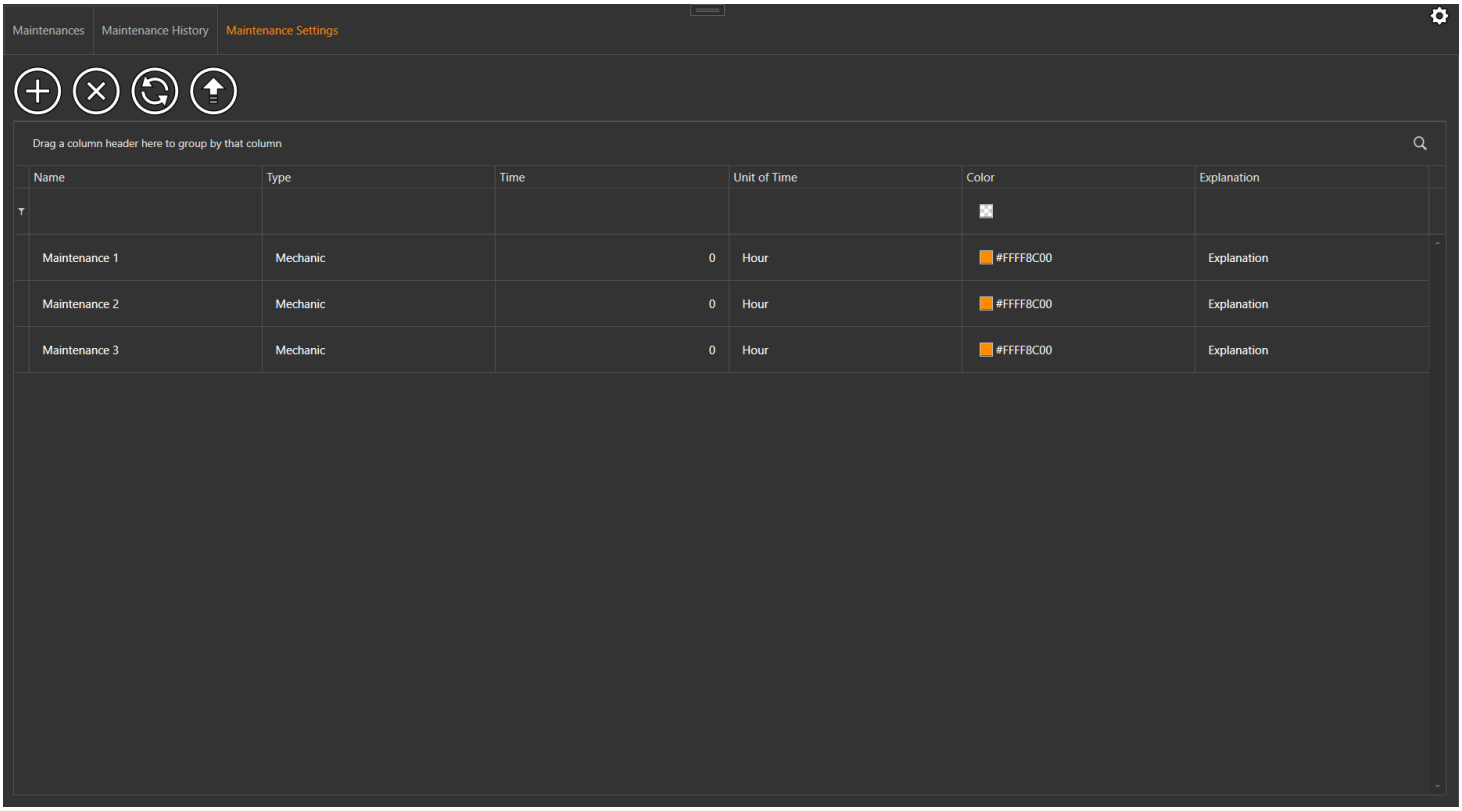
MAINTENANCES



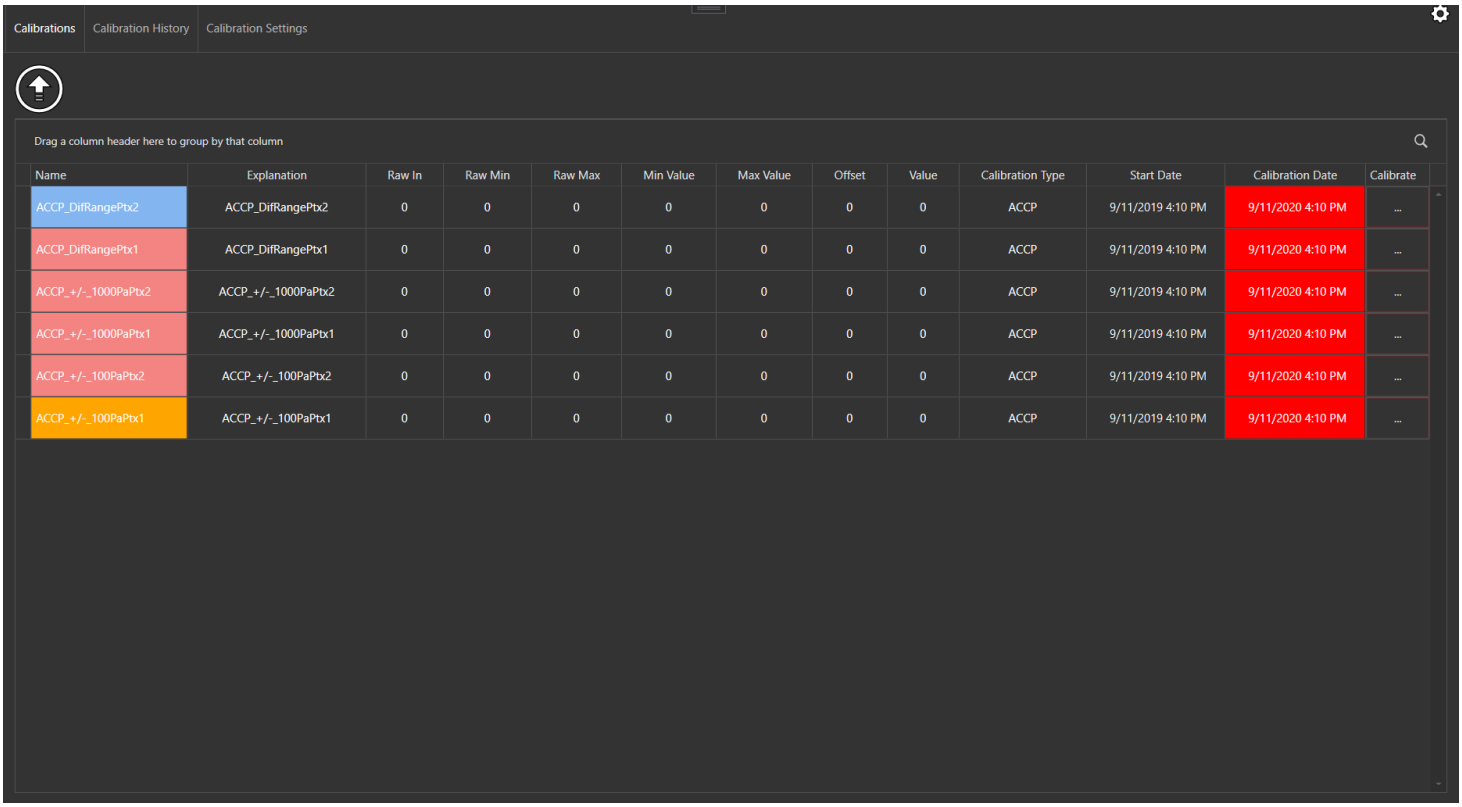
MAINTENANCE HISTORY



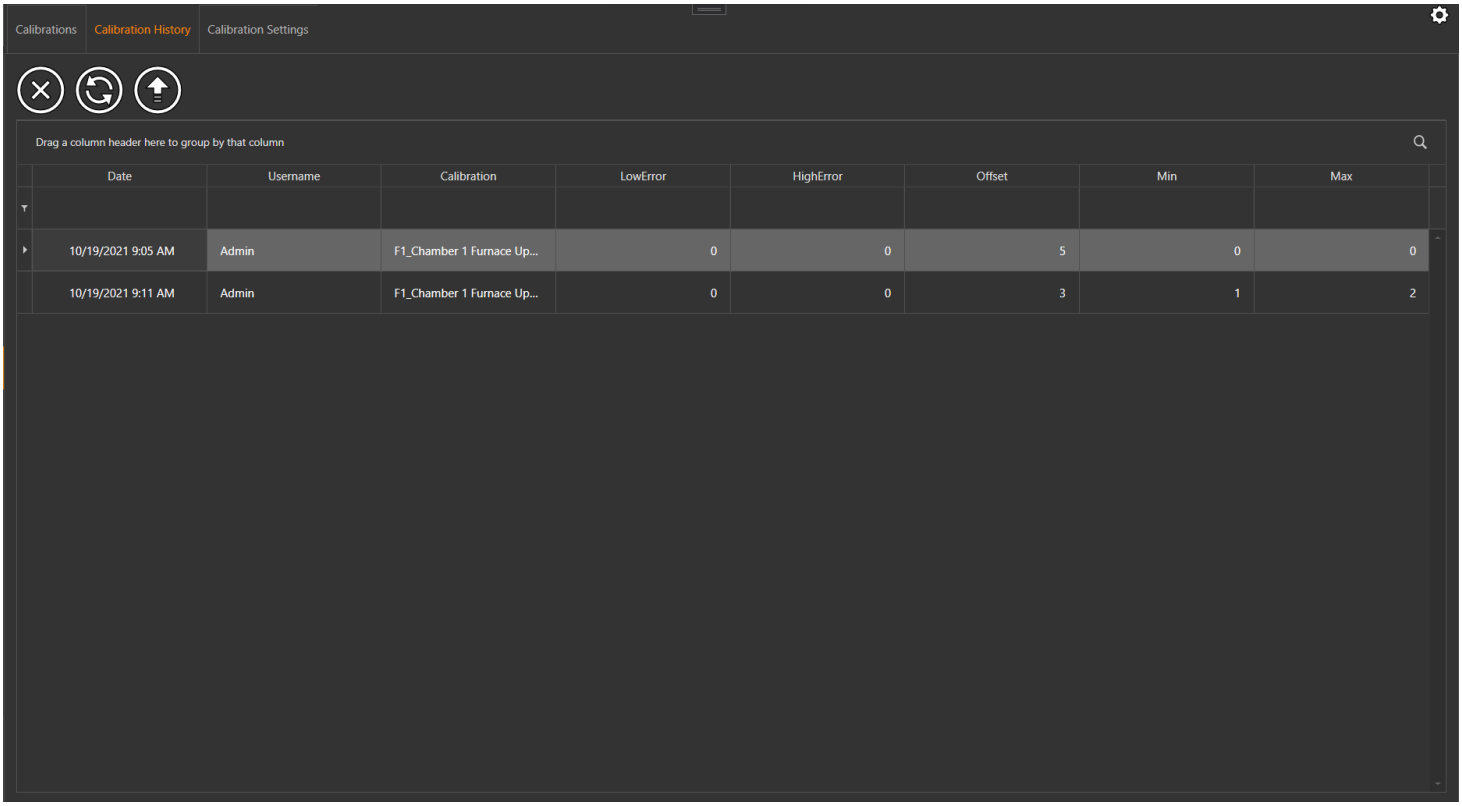
MAINTENANCE SETTINGS



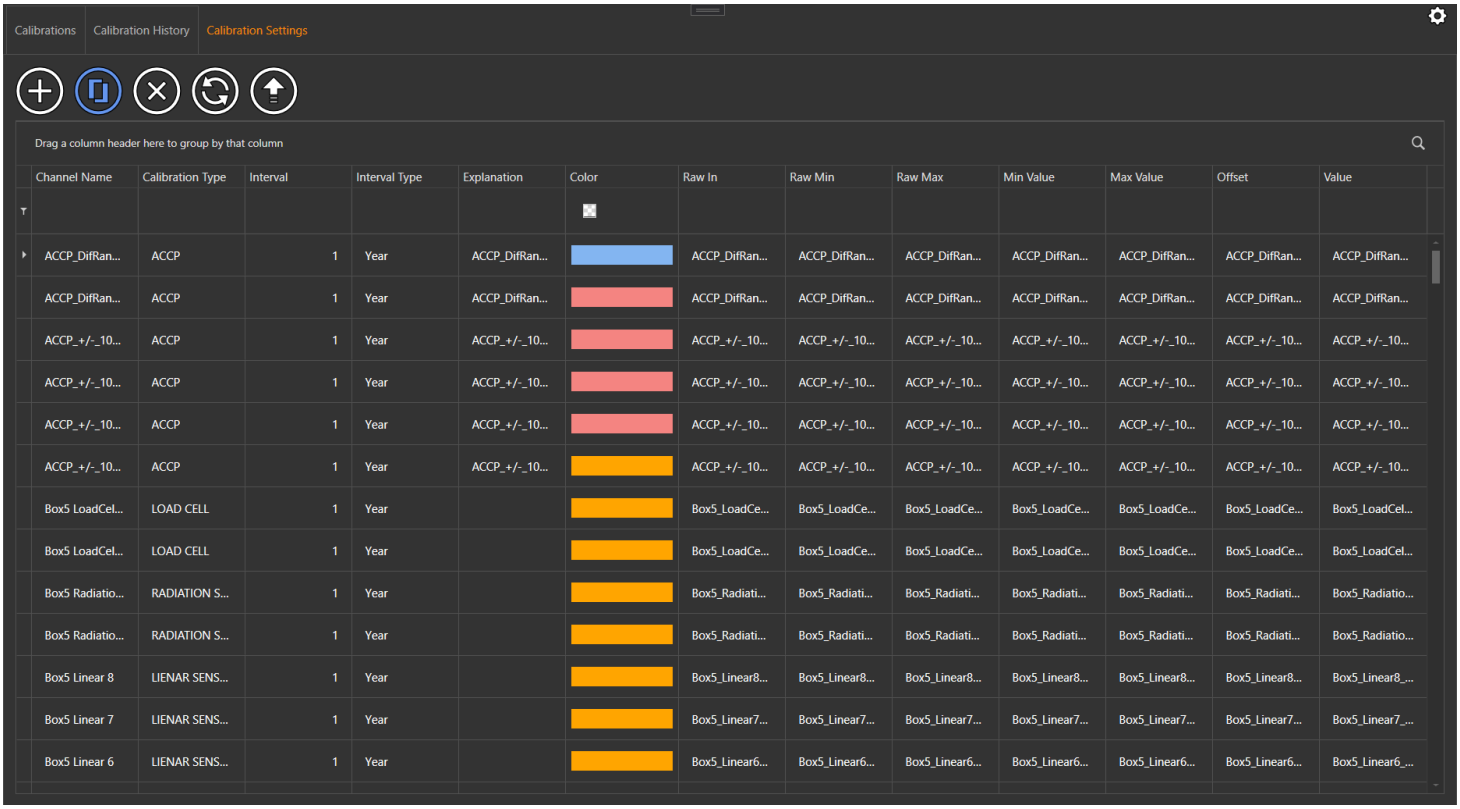
CALIBRATIONS



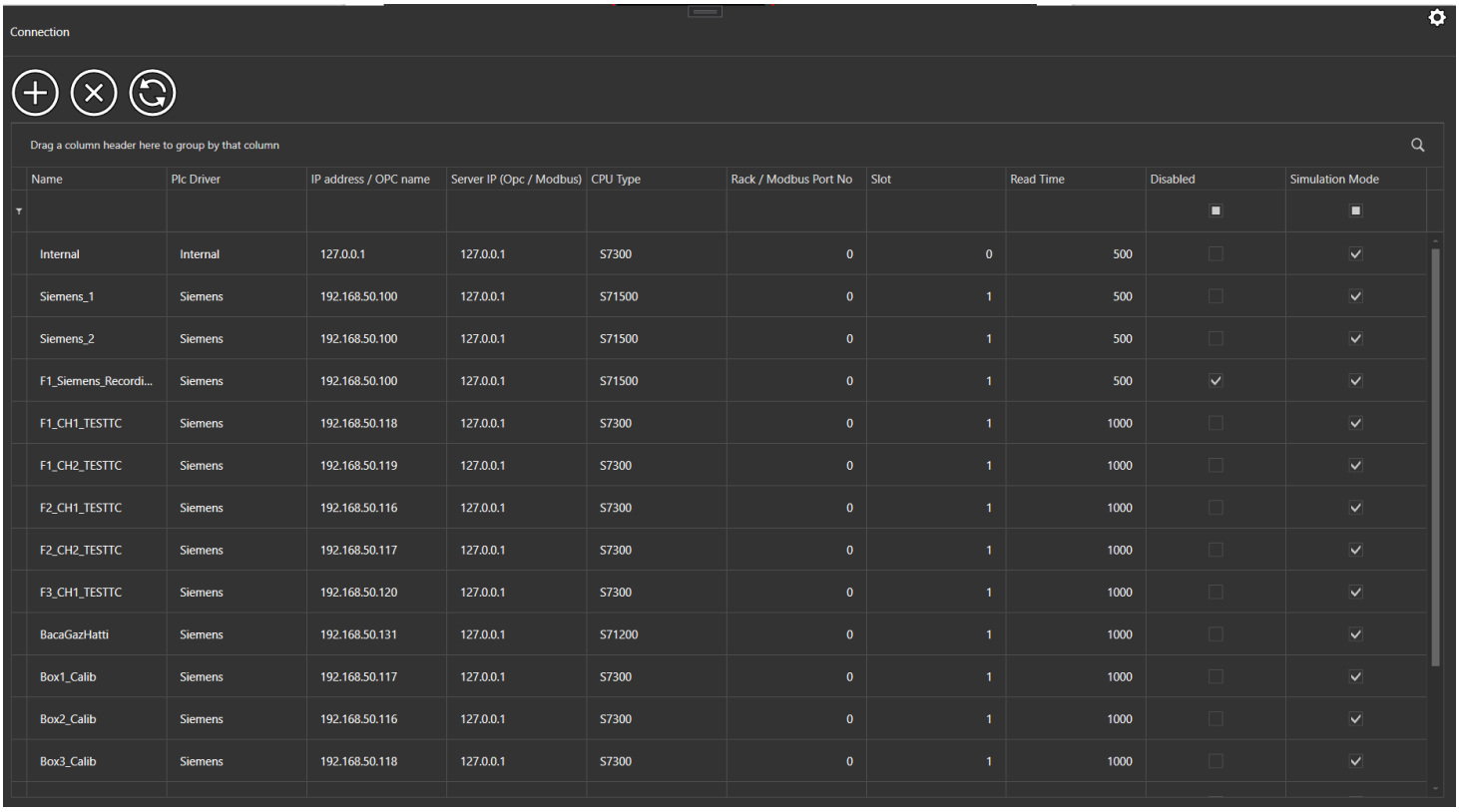
CALIBRATION HISTORY



CALIBRATION SETTINGS

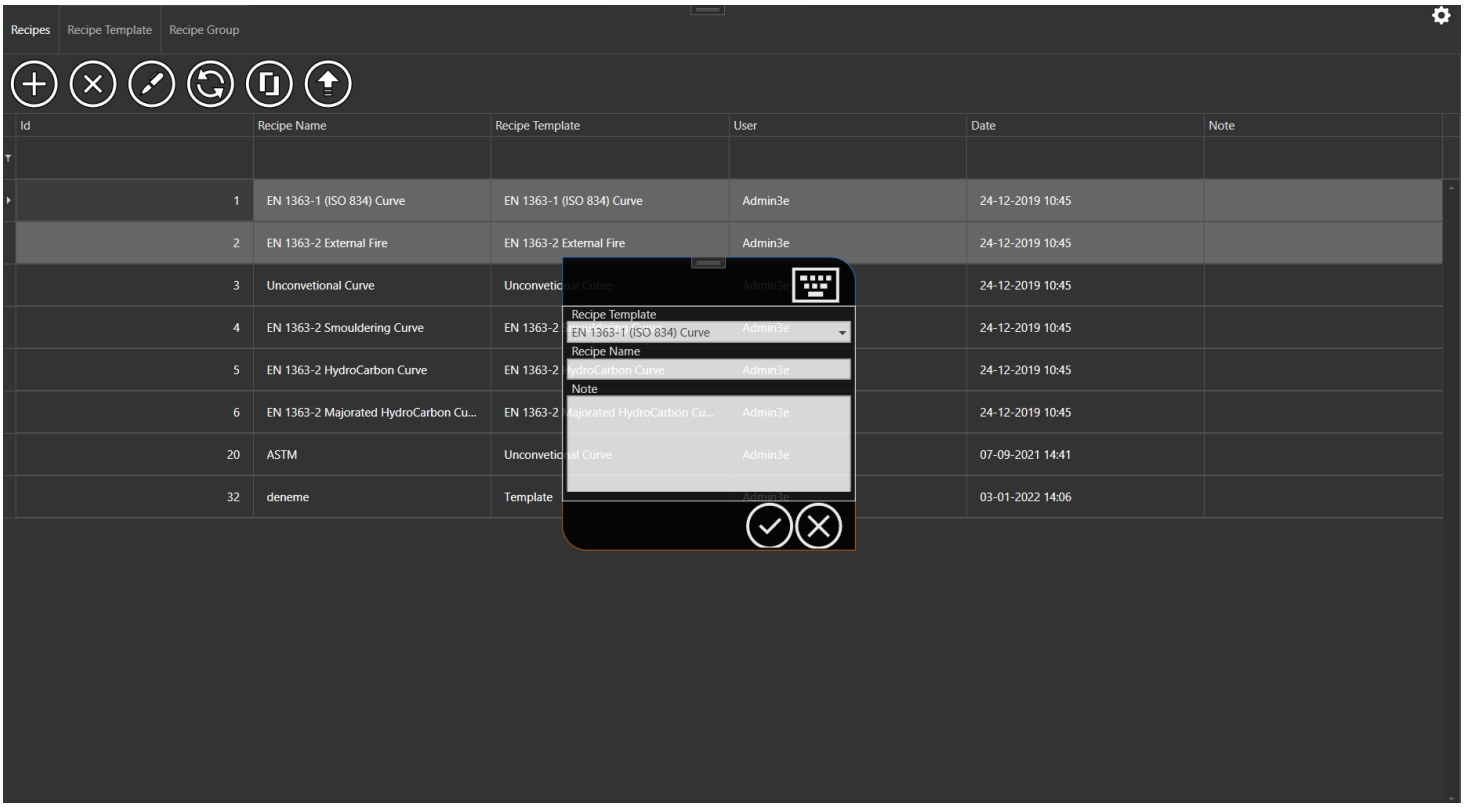


CONNECTIONS



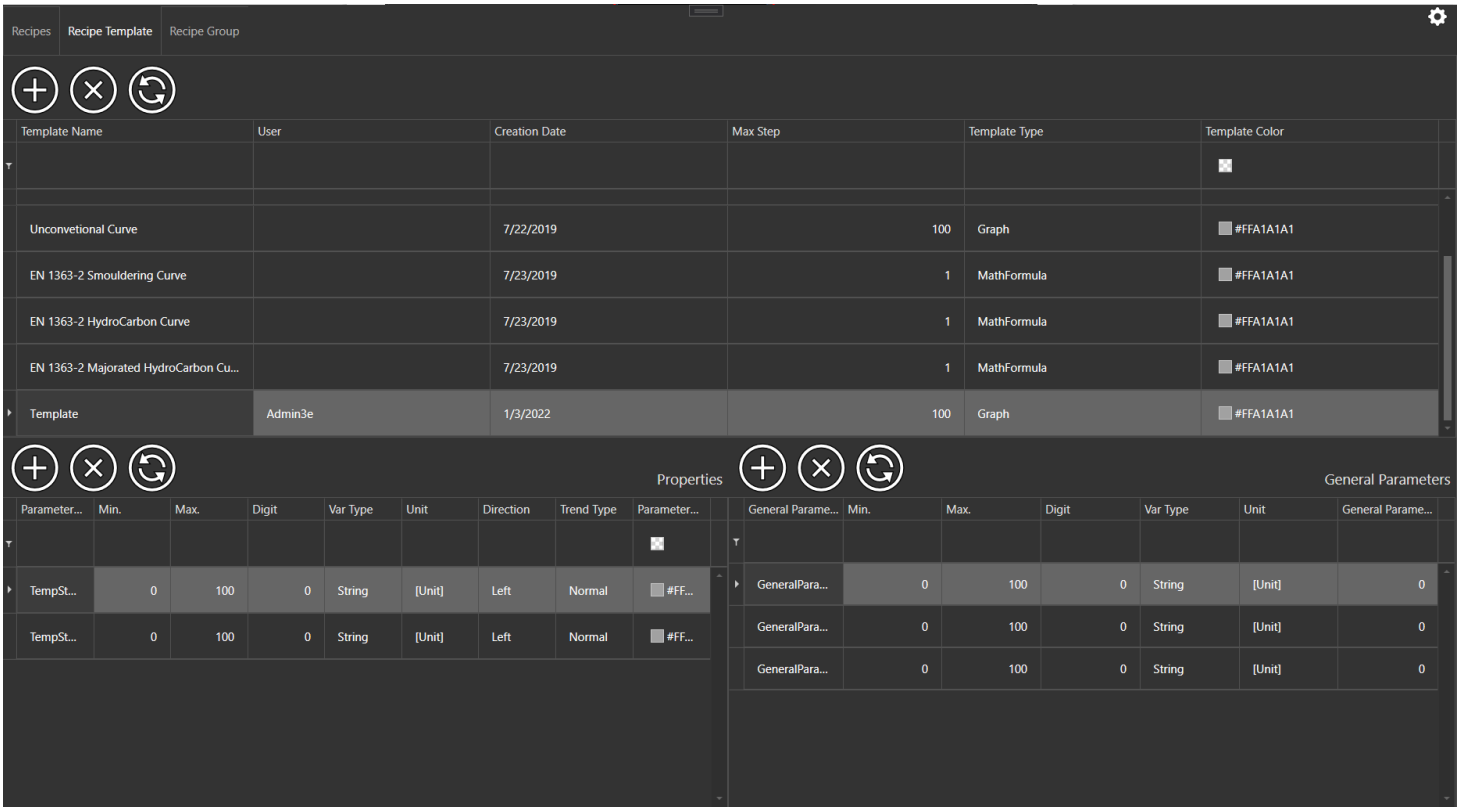
Name	Plc Driver	IP address / OPC name	Server IP (Opc / Modbus)	CPU Type	Rack / Modbus Port No	Slot	Read Time	Disabled	Simulation Mode
Internal	Internal	127.0.0.1	127.0.0.1	S7300	0	0	500	☐	☑
Siemens_1	Siemens	192.168.50.100	127.0.0.1	S71500	0	1	500	☐	☑
Siemens_2	Siemens	192.168.50.100	127.0.0.1	S71500	0	1	500	☐	☑
F1_Siemens_Recordi...	Siemens	192.168.50.100	127.0.0.1	S71500	0	1	500	☑	☑
F1_CH1_TESTTC	Siemens	192.168.50.118	127.0.0.1	S7300	0	1	1000	☐	☑
F1_CH2_TESTTC	Siemens	192.168.50.119	127.0.0.1	S7300	0	1	1000	☐	☑
F2_CH1_TESTTC	Siemens	192.168.50.116	127.0.0.1	S7300	0	1	1000	☐	☑
F2_CH2_TESTTC	Siemens	192.168.50.117	127.0.0.1	S7300	0	1	1000	☐	☑
F3_CH1_TESTTC	Siemens	192.168.50.120	127.0.0.1	S7300	0	1	1000	☐	☑
BacaGazHatti	Siemens	192.168.50.131	127.0.0.1	S71200	0	1	1000	☐	☑
Box1_Calib	Siemens	192.168.50.117	127.0.0.1	S7300	0	1	1000	☐	☑
Box2_Calib	Siemens	192.168.50.116	127.0.0.1	S7300	0	1	1000	☐	☑
Box3_Calib	Siemens	192.168.50.118	127.0.0.1	S7300	0	1	1000	☐	☑

RECIPES

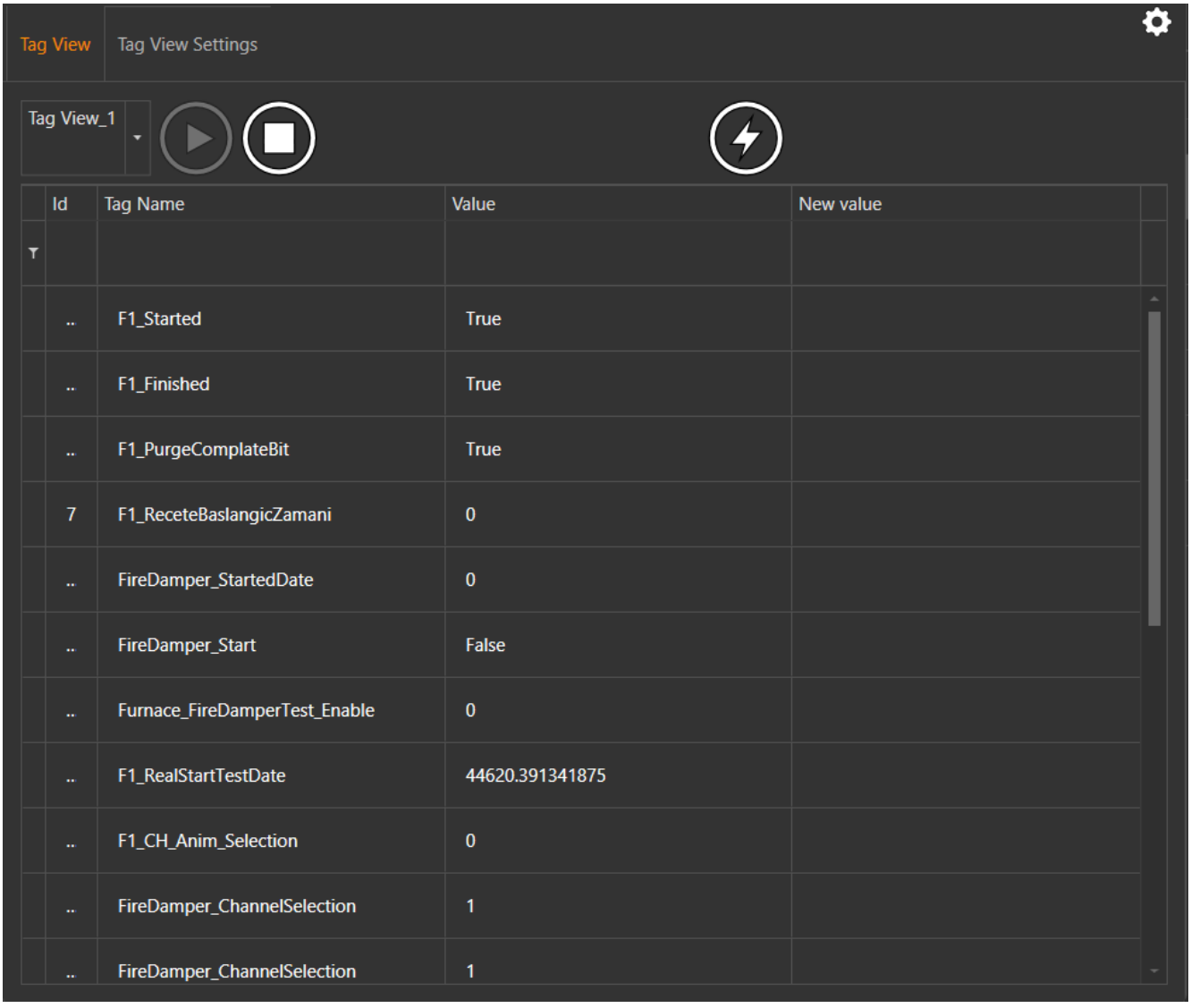


Id	Recipe Name	Recipe Template	User	Date	Note
1	EN 1363-1 (ISO 834) Curve	EN 1363-1 (ISO 834) Curve	Admin3e	24-12-2019 10:45	
2	EN 1363-2 External Fire	EN 1363-2 External Fire	Admin3e	24-12-2019 10:45	
3	Unconvetional Curve	Unconvetional Curve	Admin3e	24-12-2019 10:45	
4	EN 1363-2 Smouldering Curve	EN 1363-2	Admin3e	24-12-2019 10:45	
5	EN 1363-2 HydroCarbon Curve	EN 1363-2	Admin3e	24-12-2019 10:45	
6	EN 1363-2 Majorated HydroCarbon Cu...	EN 1363-2	Admin3e	24-12-2019 10:45	
20	ASTM	Unconvetional Curve	Admin3e	07-09-2021 14:41	
32	deneme	Template	Admin3e	03-01-2022 14:06	

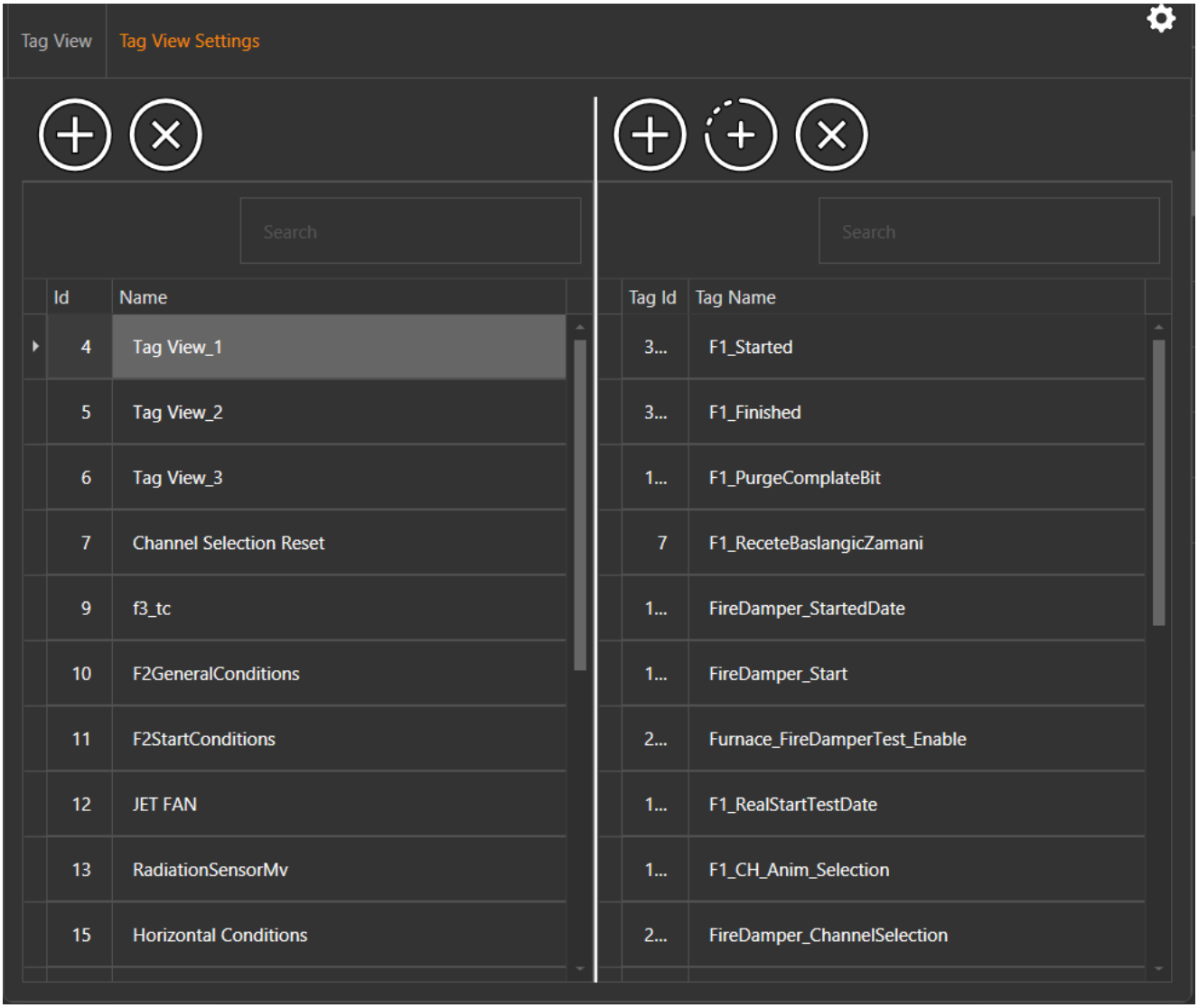
RECIPE TEMPLATE



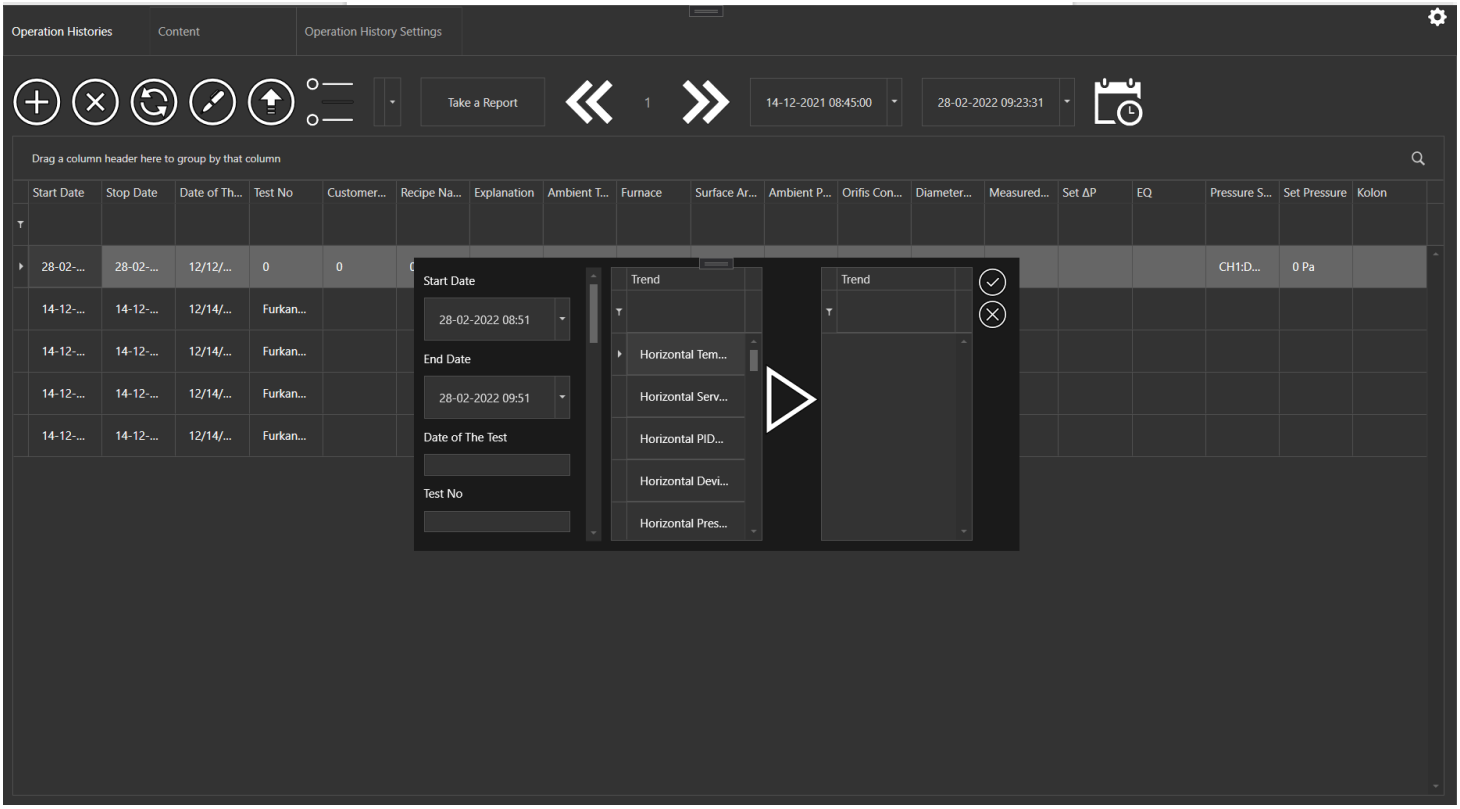
TAG VİEW



TAG VIEW SETTINGS



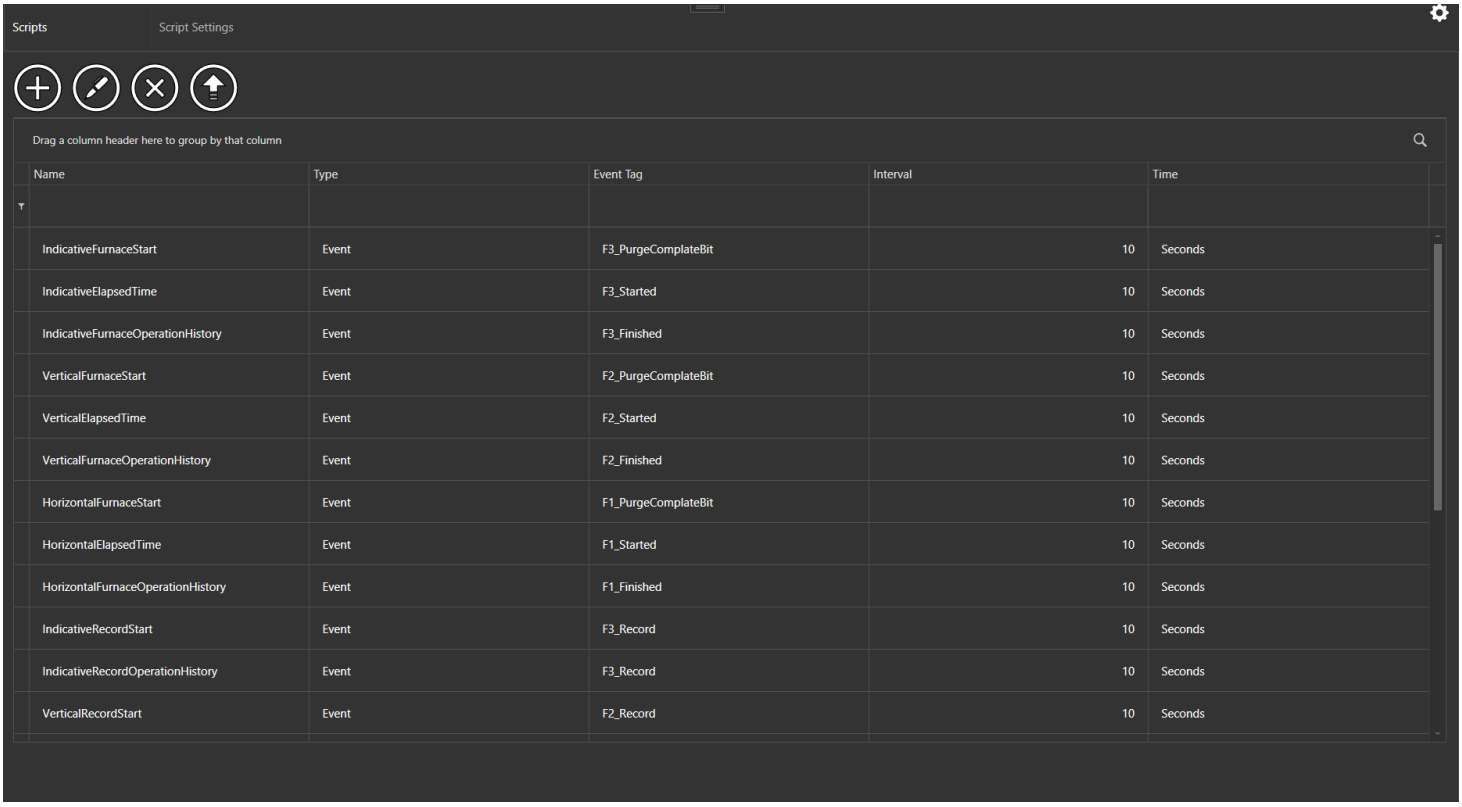
OPERATION HISTORIES



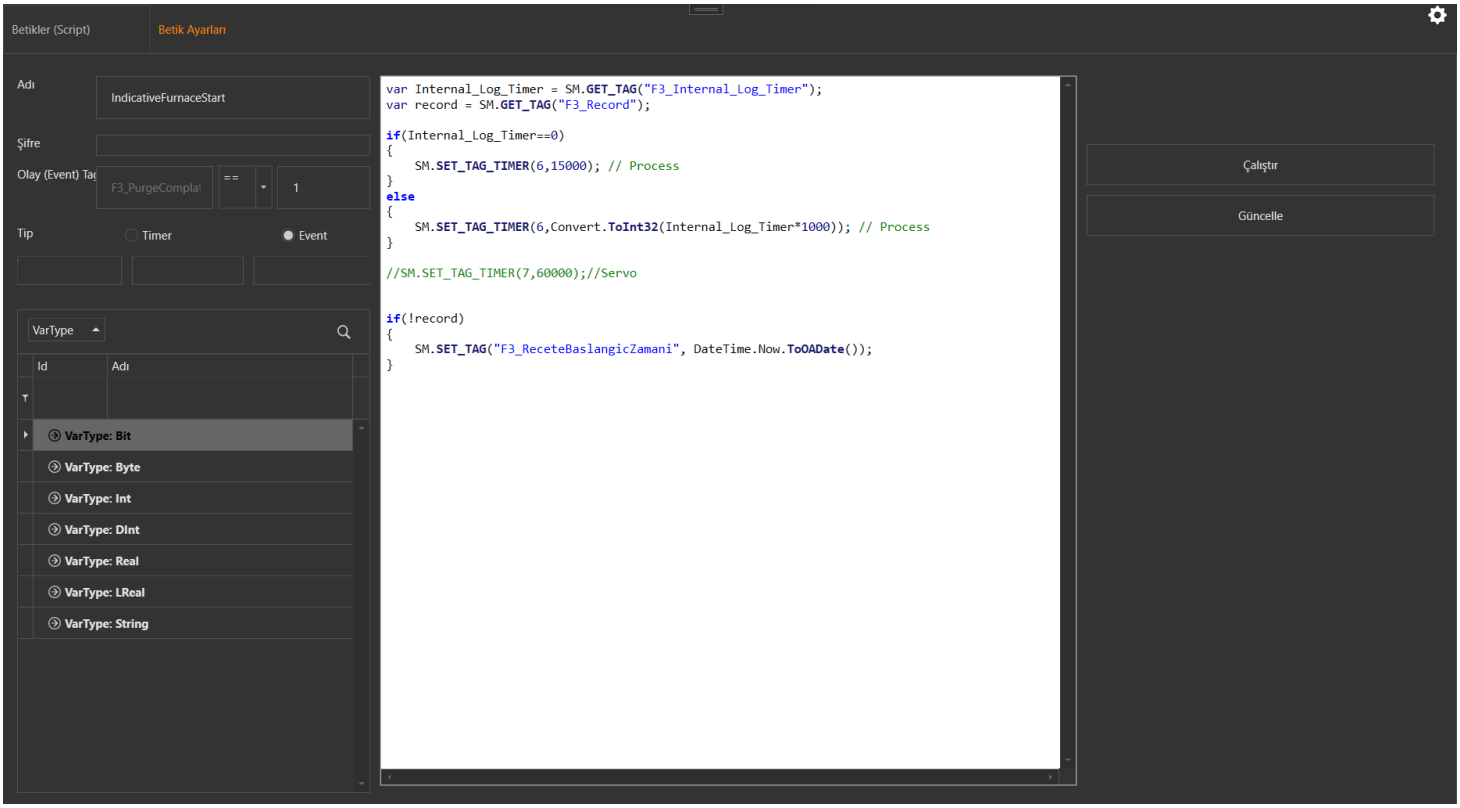
OPERATION HISTORY SETTINGS

OPERATION HISTORY CONTENT

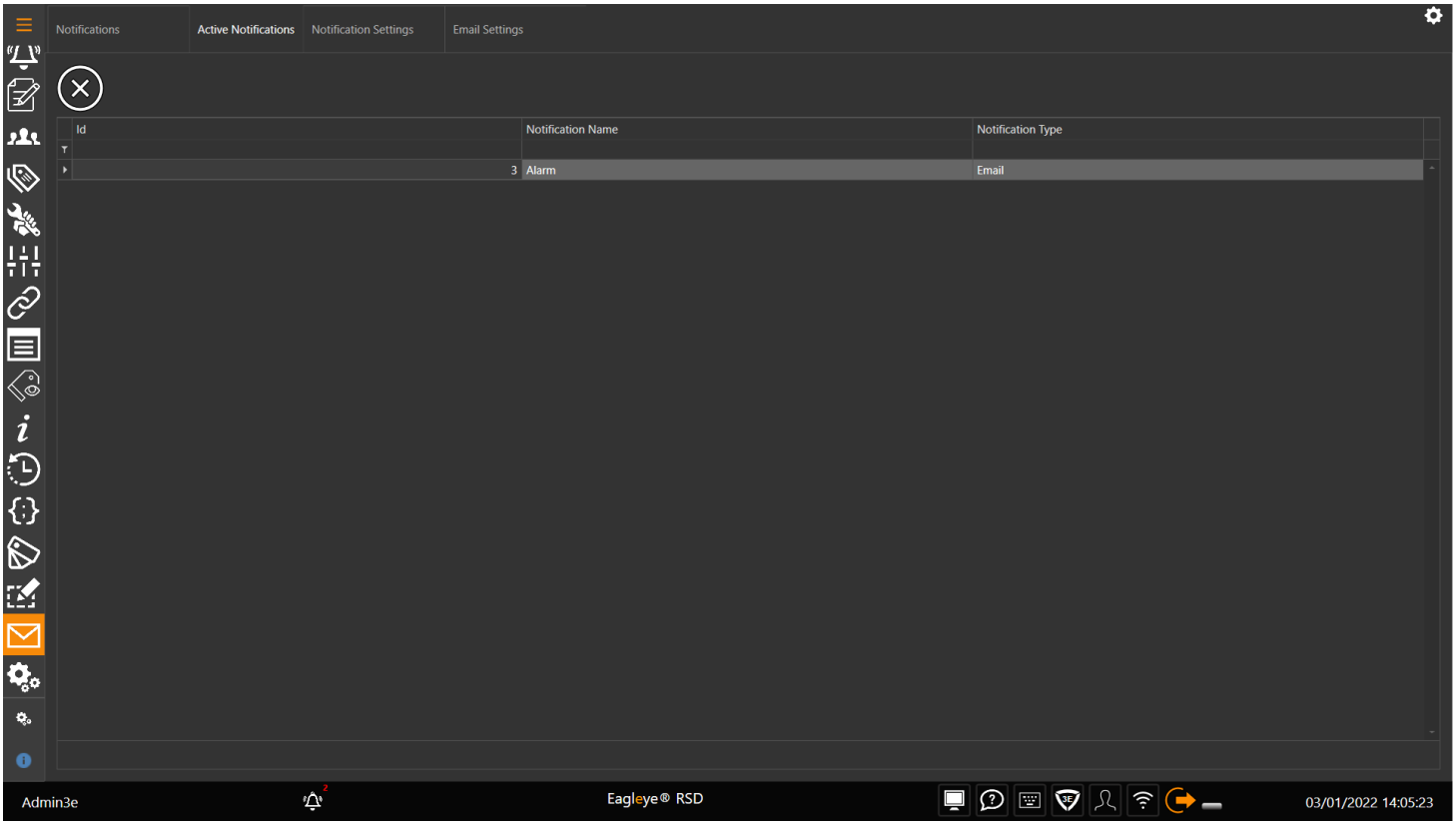
SCRIPTS



SCRIPTS SETTINGS



NOTIFICATIONS



NOTIFICATION SETTINGS