

# SIUS

 SWISS PRECISION

## **Range Cockpit - Functional description**

2024.2.x



## Table of contents

Intro .....	4
Range Cockpit Login .....	4
Range Board .....	5
Range Details (A) .....	5
Range Time (B).....	5
Shooting Sports Cloud (C).....	5
Change Password (D) .....	5
Statistic (E) .....	5
Backups (F).....	5
Mainmenu (G) .....	6
Range Configurator .....	7
Range Plans (A).....	7
Health Check (B).....	7
System Checks (C).....	7
Home (D).....	7
Configurations (E) .....	8
Devices (F).....	8
Services (G) .....	8
Wizard (H) .....	8
Range Settings .....	8
Range Update .....	9
Update Range .....	9
Clients.....	9
Store .....	9
Installation Jobs.....	9
Resource Server.....	10

Packages (A) .....	10
Exercises (B) .....	10
User (C).....	11
User Filters (D) .....	11
Countries (E).....	11
Flag Images (F).....	11
Target Definitions (G).....	11
Weapons (H).....	11
Mappings (I) .....	11
Sensor Data Analysis .....	12
STYX Service .....	12
STYX Tree.....	12
Network Connectors .....	12
Watchtower .....	13
Range Control (A).....	13
Assign (B) .....	13
Competitions (C).....	13
Lane View (D).....	13
Results (E).....	13
Maintenance (F).....	13

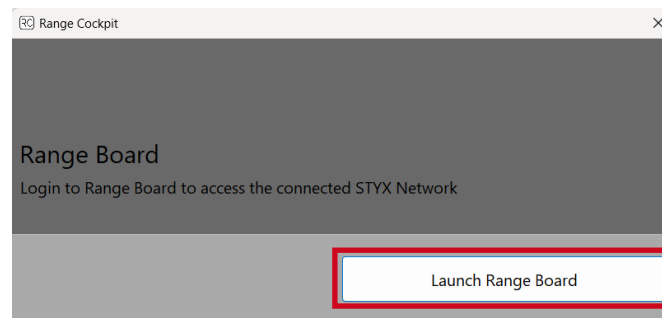
## Intro

The SIUS Cockpit was replaced by Range Cockpit with version 2024.1.0, the range of functions remains the same.

### Range Cockpit Login

Open Range Cockpit with a double click on the desktop icon.

Click “Open”, to open the Range Cockpit.

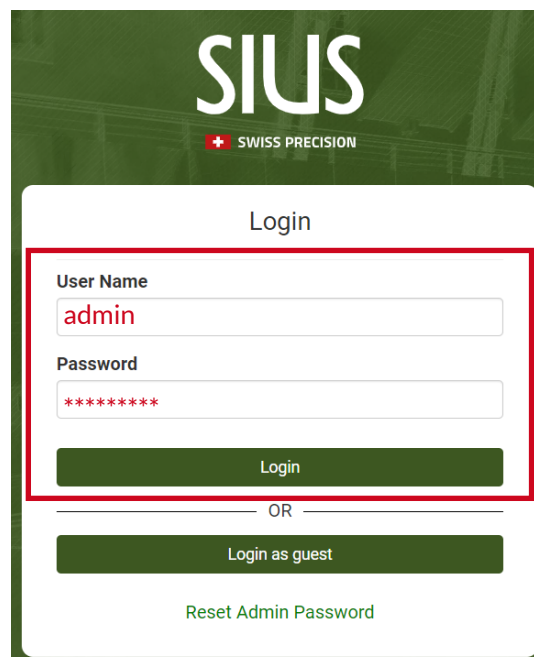


**Login as Guest:** Grants access to Watchtower and Health Check (No password required)

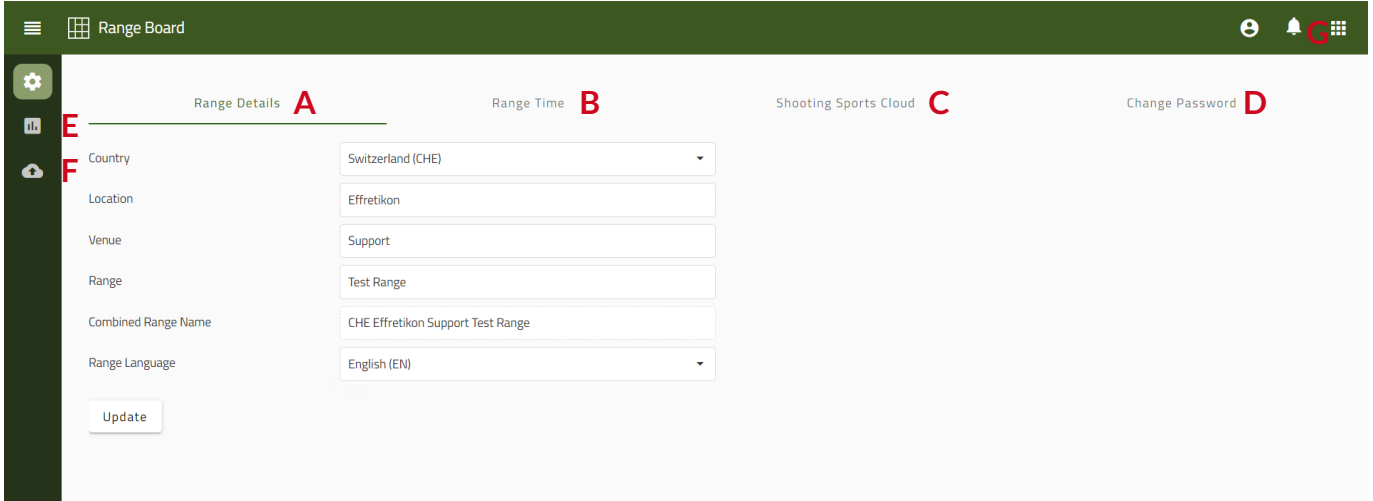
#### Administrator Login:

Username: admin

Password: The password is provided by SIUS, it can be requested from support. The adminpassword can be changed.

A screenshot of the SIUS login page. The page has a green header with the SIUS logo and "SWISS PRECISION" text. Below the header is a white login form titled "Login". The form contains two input fields: "User Name" with the text "admin" and "Password" with asterisks. Below the fields are two buttons: "Login" and "Login as guest". At the bottom of the form is a link "Reset Admin Password". A red rectangular border highlights the "User Name" and "Password" input fields.

## Range Board



The screenshot shows the Range Board interface with the following elements:

- Range Board** header with navigation icons.
- Range Details (A)**: A form with fields for Country (Switzerland (CHE)), Location (Effretikon), Venue (Support), Range (Test Range), Combined Range Name (CHE Effretikon Support Test Range), and Range Language (English (EN)). An **Update** button is at the bottom.
- Range Time (B)**: A section for time settings.
- Shooting Sports Cloud (C)**: A section for online data publishing.
- Change Password (D)**: A section for password management.
- Statistic (E)**: A section for viewing shot statistics.
- Backups (F)**: A section for creating system backups.

### Range Details (A)

The homepage of the Range Boards shows the range details. General information about the system is displayed here (e.g. Country, Location, Language, etc.). The Data can be customised.

### Range Time (B)

Time setting for the range (time zone or manual timing)

### Shooting Sports Cloud (C)

If the function "Range Live Results" is activated, data will be published online on Shootingsportscloud.

### Change Password (D)

The password of the Admin User can be changed here.

### Statistic (E)

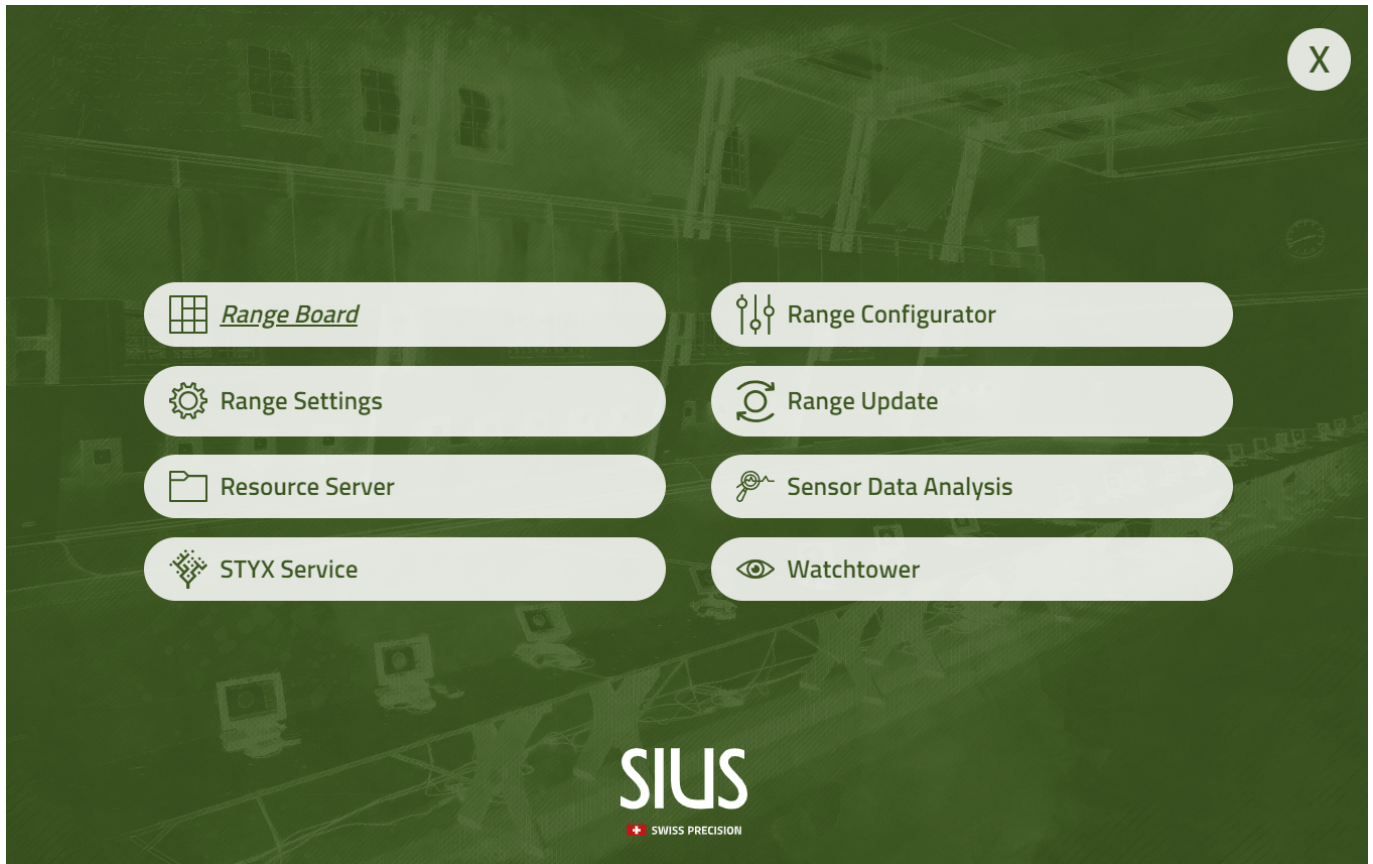
Number of shots per line and for the entire range. Further statistics such as the number of logins can be viewed.

### Backups (F)

Backups of the Kanopus and Infrastructure can be created here. To use this function USB sticks validated by SIUS are recommended.

## Mainmenu (G)

Menu to navigate to the different services of the range.



## Range Configurator

The screenshot shows the Range Configurator interface. On the left is a vertical navigation menu with icons and letters A through H. The main area is divided into two panels. The top panel contains controls for 'Delete All Data', 'Wink Interval', and a search bar. Below this is a table with columns for 'Device/Service', 'Serial Number', and 'Actions'. The table is currently empty, with a message 'Select a group to view its children' at the bottom.

### Range Plans (A)

Space for range plans.

### Health Check (B)

In the Health Check Warnings and Errors of the entire range (STYX components) are listed.

The screenshot shows the Range Configurator interface with the 'Health Check' section active. The top navigation bar includes 'Warnings', 'No Connection', and 'Not Configured' tabs. Below the tabs are buttons for 'Expand all', 'Collapse all', and 'Refresh all'. A table displays the health check results for 'athletemonitor.application (1)'. The table has columns for 'Service', 'Main Groups', 'Serial Number', 'IP Address', 'Warnings', and 'Options'. A red box highlights the 'Warnings' column header.

Service	Main Groups	Serial Number	IP Address	Warnings	Options
athletemonitor.application	Lane_001.Service	44:b4:12:03:29:7d	172.20.14.25	<ul style="list-style-type: none"> <li>146: Log files can not be written -&gt; Normal operation is still possible at 5/22/2024, 8:22:09 AM <b>i</b> Custom description: The defined LogDirectory /opt/sius/logs does not exist</li> <li>172: SD-Card could not be found -&gt; no SD-Card is present or the SD-Card is broken at 5/22/2024, 8:16:59 AM <b>i</b> Custom description: No working SD-Card could be found. Formatting of the SD-Card is aborted.</li> </ul>	

### System Checks (C)

Field tests can be executed.

### Home (D)

Homepage of the Range Configurator.

## Configurations (E)

The active configuration is shown. The configuration can be uploaded to the cloud.

## Devices (F)

All devices and their status are listed.

There are also simplified functions for carrying out tests or replacing devices.

## Services (G)

All services of servers and devices are listed here.

## Wizard (H)

The Wizard is used to configure the range at initial installation.

The Wizard is only performed by Sius staff or on instruction.

An accidentally started Wizard can lead to a non functional range.

## Range Settings

Settings of devices.

The screenshot displays the 'Range Settings' application interface. On the left, a sidebar shows a list of devices under the heading 'athletemonitor (1)'. The main area is divided into two panels. The top panel shows a table of device details, and the bottom panel shows a detailed configuration for the selected device, 'athletemonitor.application'.

Serial Number	IP Address	Hostname	Service Name	Actions
44:b4:12:03:29:7d	172.20.14.25	athletemonitor-lane...	athletemonitor.appli...	[Refresh] [Reconnect clients]

ConfigurationSource	Value	Information
ProductSettings		
ConfigurationSource	RangeConfigurator	[Refresh]
LaneBehaviorSettings		
CrossShotIndicationTimeInSeconds	120	[Refresh] Min: 0
TargetHidingKind	Rotate	[Refresh]
TreatRicochetLikeMisses	<input checked="" type="checkbox"/>	[Refresh]
PrintSettings		
NumberOfLineFeedsAfterExercise	10	[Refresh] Min: 0
RangeTimerCommonSettings		
RangeTimerIndex	1	[Refresh] Min: 1
TimerUnsetString	--:--	[Refresh]
TimerVisible	<input type="checkbox"/>	[Refresh]
ShotValidatorSettings		
ActivateCrossShotValidationViaRangeShotVa	<input checked="" type="checkbox"/>	[Refresh]
TargetLightSettings		
BGLightActive	<input type="checkbox"/>	[Refresh]
BGLightIntensity	41	[Refresh] Min: 0 Max: 100
TargetPictureGuiComponentSettings		
DrawShotNumbers	<input checked="" type="checkbox"/>	[Refresh]



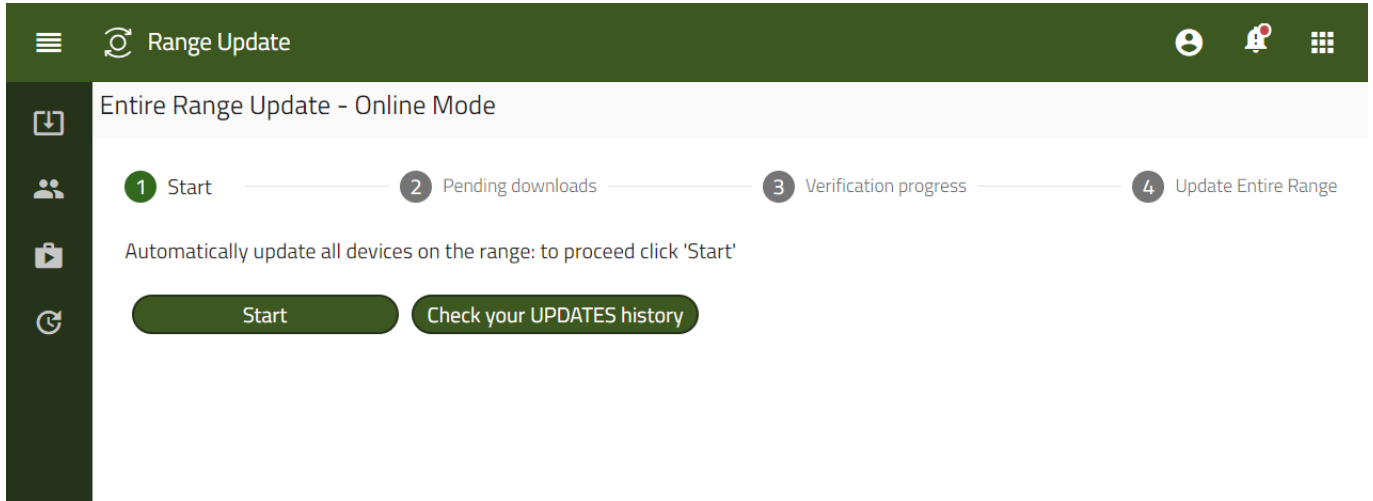
## Range Update

### Update Range

The whole range can be updated online with just a few clicks.

**Requirements:** The Network Master must be connected to the internet.

Also an offline update is possible.



Entire Range Update - Online Mode

1 Start — 2 Pending downloads — 3 Verification progress — 4 Update Entire Range

Automatically update all devices on the range: to proceed click 'Start'

Start    Check your UPDATES history

### Clients

List of all devices and servers with their current software version.



SERIAL NUMBER	IP ADDRESS	HOSTNAME	COMPONENTS	ACTIONS
44:b4:12:02:43:37	172.20.14.27	acousticbar-lane001-300m	acousticbar.application (2.6.19)	Details
44:b4:12:03:29:7d	172.20.14.25	athletemonitor-lane001	athletemonitor.application (2024.1.4) limani-browser (3.1.3)	Details
44:b4:12:03:11:5e	172.20.14.26	bd95-lane001	bd95.application (2024.1.4) limani-browser (3.1.3)	Details

### Store

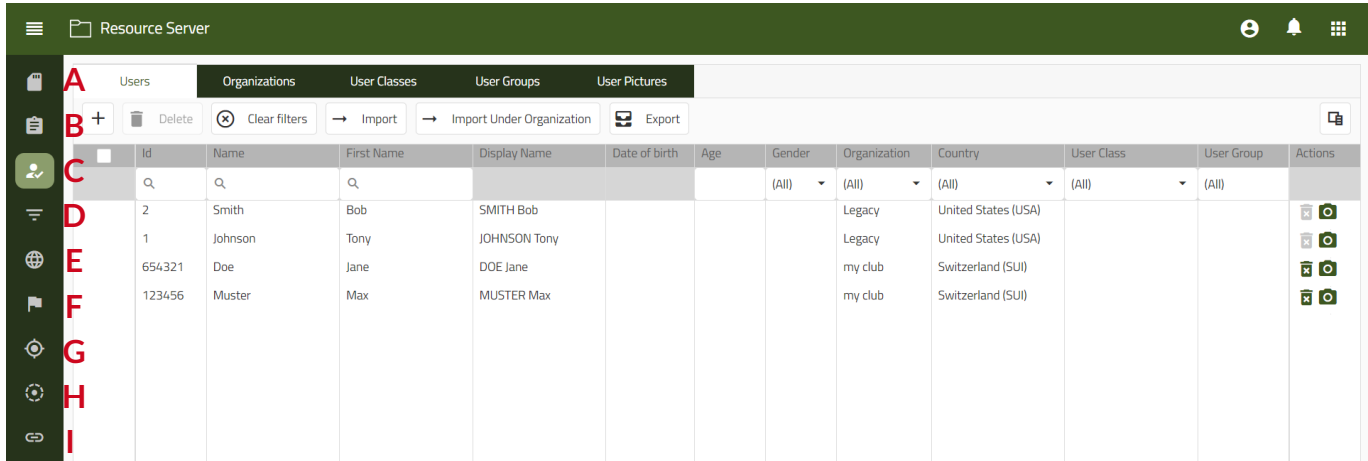
Software packages that have been installed in the current version are stored here.

Software packages can be manually uploaded to the store and then installed individually.

### Installation Jobs

List of current and previous installations.

## Resource Server



Id	Name	First Name	Display Name	Date of birth	Age	Gender	Organization	Country	User Class	User Group	Actions
2	Smith	Bob	SMITH Bob			(All)	Legacy	United States (USA)	(All)	(All)	[Icons]
1	Johnson	Tony	JOHNSON Tony			(All)	Legacy	United States (USA)	(All)	(All)	[Icons]
654321	Doe	Jane	DOE Jane			(All)	my club	Switzerland (SUI)	(All)	(All)	[Icons]
123456	Muster	Max	MUSTER Max			(All)	my club	Switzerland (SUI)	(All)	(All)	[Icons]

### Packages (A)

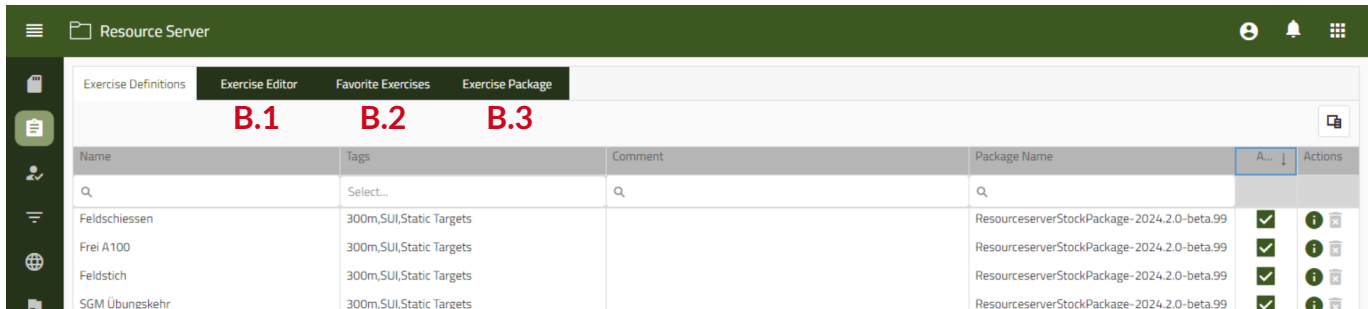
Here various packages can be imported, created or exported.

### Exercises (B)

List of all exercises.

The exercises can be activated or deactivated.

Only active exercises can be selected at the lanes.



Name	Tags	Comment	Package Name	Actions
Feldschiessen	300m,SUI,Static Targets		ResourceserverStockPackage-2024.2.0-beta.99	[Icons]
Frei A100	300m,SUI,Static Targets		ResourceserverStockPackage-2024.2.0-beta.99	[Icons]
Feldstich	300m,SUI,Static Targets		ResourceserverStockPackage-2024.2.0-beta.99	[Icons]
SGM Übungskehr	300m,SUI,Static Targets		ResourceserverStockPackage-2024.2.0-beta.99	[Icons]

### Exercises Editor (B.1)

In the Exercise Editor you can create your own individual exercises.

### Favorite Exercises (B.2)

Favorite Exercises can be used to define which exercises are available for selection on the athlete monitors at the lanes. Different favorites can be defined depending on the organization of the users.

### Exercise Package (B.3)

Several exercises can be combined with the Exercise Packages. These Exercise Packages are intended for use in the "Competitions" section of the Watchtower. They are not used for any other purpose.

**User (C)**

List of users that have been created on the range.  
Users can be created, edited or exported.

**User Filters (D)**

Here, your own user filters can be created.

**Countries (E)**

List of nations.  
Customised nations can be added.

**Flag Images (F)**

List of several flags.  
The list can be extended by importing packages.

**Target Definitions (G)**

List of available target images with their scoring methods.

**Weapons (H)**

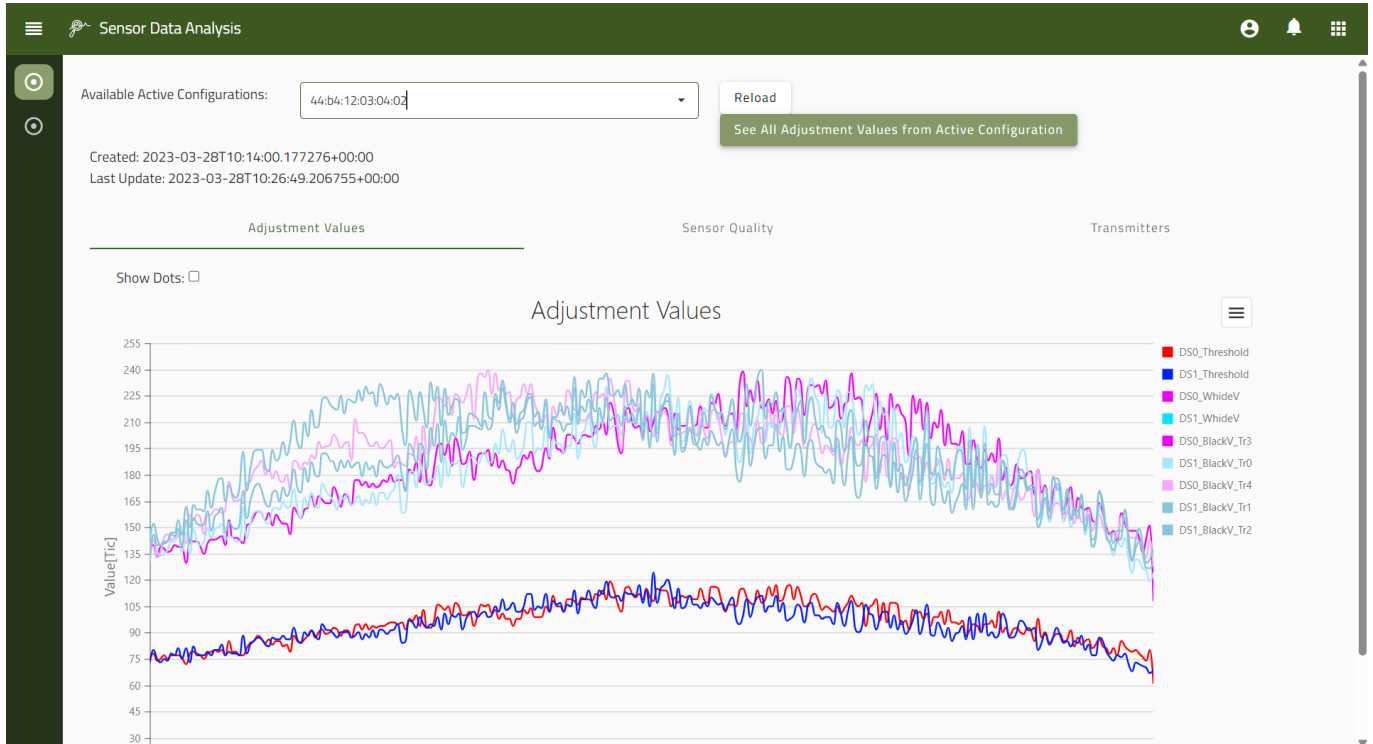
List of various weapons.  
The list can be extended by importing packages.

**Mappings (I)**

Various relationships are displayed here.

## Sensor Data Analysis

Data of specific optical targets can be analysed here.



## STYX Service

### STYX Tree

Topology of connected devices.

The cable tester can be executed here.

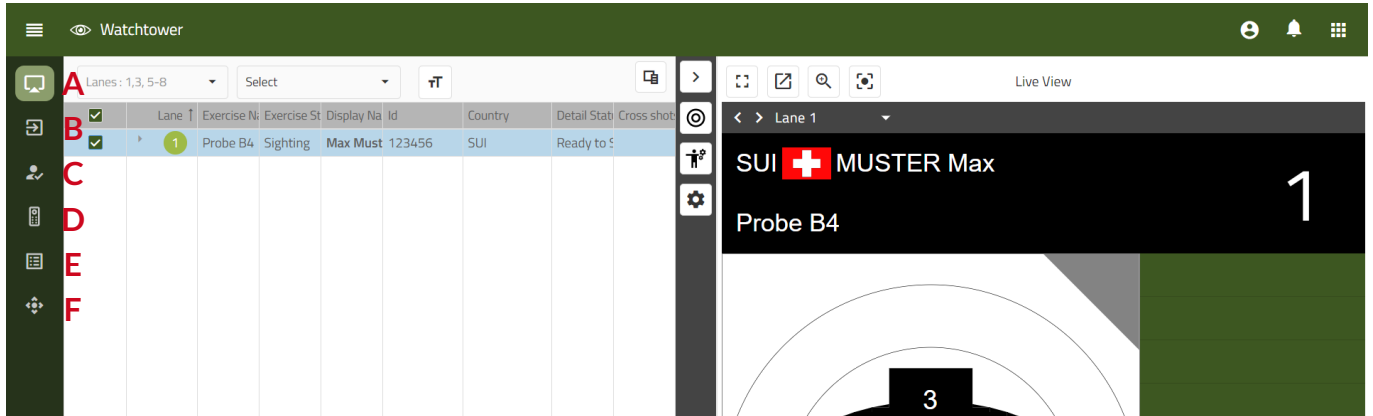
The screenshot shows the 'Styx Service' interface with a table of network devices. The table has the following columns: MAC, Port, TYPE, VCT, HOSTNAME, IP ADDRESS, ORGANIZATION NAME, and TOPOLOGY ID. The data is as follows:

MAC	Port	TYPE	VCT	HOSTNAME	IP ADDRESS	ORGANIZATION NAME	TOPOLOGY ID
44:b4:12:02:21:21	-	(All)				(All)	
44:b4:12:02:43:37	CH1			acousticbar-lane001-300m	172.20.14.27	SIUS AG	1
44:b4:12:03:29:7d	CH2			athletemonitor-lane001	172.20.14.25	SIUS AG	2
44:b4:12:03:11:5e	CH3			bd95-lane001	172.20.14.26	SIUS AG	3
44:b4:12:02:06:d7	OUT					SIUS AG	0
98:e7:43:09:19:9d	CH3			Joelle-STYX	172.20.14.29		03
00:0d:b9:56:bca0	CH4			themelia	172.20.10.139	PC Engines GmbH	04

## Network Connectors

List of all used network connectors.

## Watchtower



### Range Control (A)

Overview and control the range.  
Various settings for exercise control.

### Assign (B)

Assignment of exercises, users and lanes.  
Several options for assignment, like direct assignment, assignment list or flexible assignment list.

### Competitions (C)

Flexible assignment lists can be controlled remotely here.

### Lane View (D)

An athlete monitor can be displayed here and exercises can be started.

### Results (E)

Results are stored here.

### Maintenance (F)

Exercise data (Results) can be deleted here.