

## ARCHERY SCORING SYSTEM

### What is it?

It is a system that identifies the very exact point of the arrow in the target. It calculates the value of the score from these identified coordinates and after assessing the result it displays it on a screen (Computer screen, projector, etc). It enables the archer to see the score immediately after the shooting, even creates statistics and diagrams about the shoots and identifies the competitor's current position after each and every shoot.

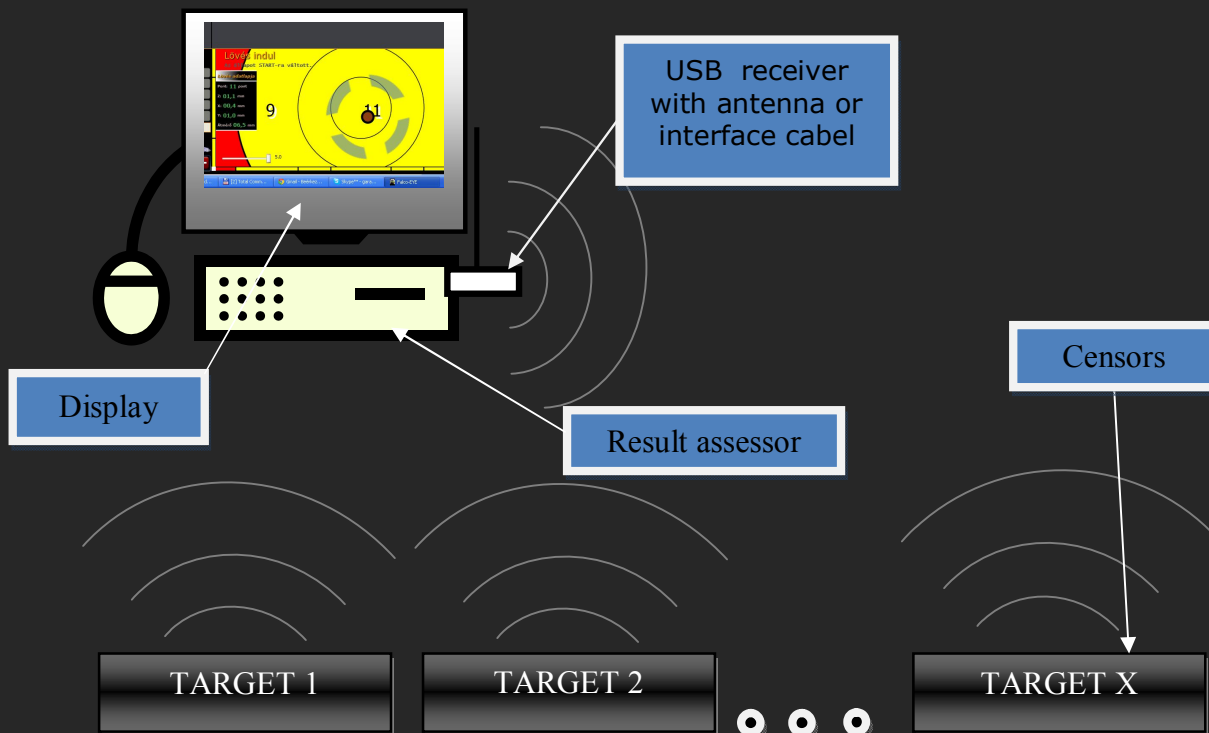
### Why is it good?

The system identifies the coordinates with optical solutions not with physical or mechanical sensors. Most of the systems built so far had tried to identify the arrow with built in sensors, but the huge disadvantage of these machines was that they did not work properly after a couple of shoots because of the physical effect of the arrows imploding in the target. Very fast display speed, 1,5 sec currently. It identifies the diameter of the arrows and their exact distance from the center point also.

### The struction of the system

- Target in which the arrows are shot in
- Assessing device (Computer)
- Screen ( Computer screen or any other display)

### Centralized mode



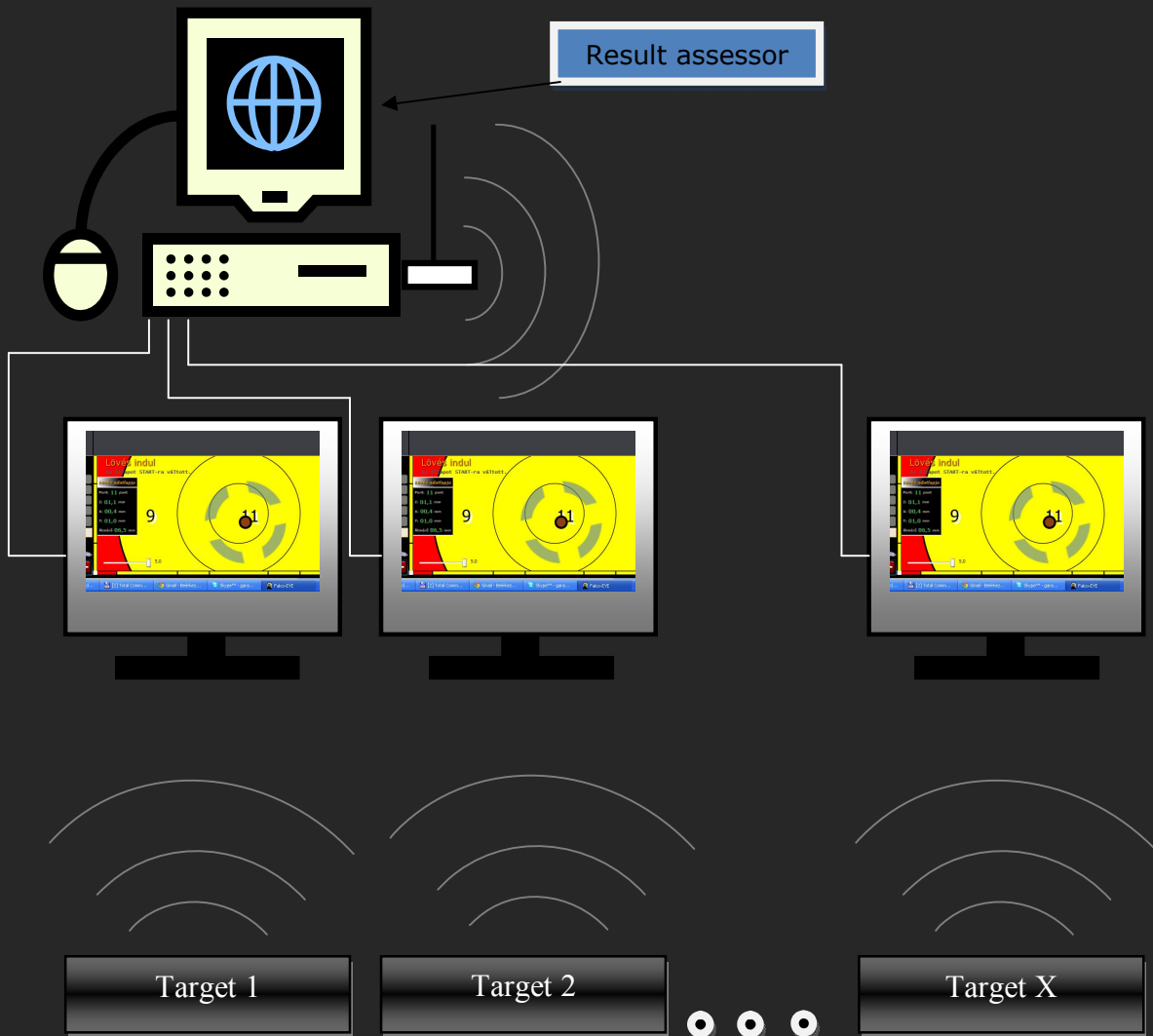
Picture 1.

**Android client** is an extra feature which displays the scores on the screen of the competitor/ audience's phone making it even more interesting and interactive. They can choose the target they would like to watch and are able to compare the results. For the competitors with Tablets it might replace the usage of the telescopes.

The system is able to save and store the results, this way interesting statistics can be made by home users for home practise.

There are 2 main using possibilities. One of them is using one screen for all the assessed results from the different targets and displays them on one device. (Picture 1) The other possibility is to use as many displays as many targets are used, this is mainly useful in target fields. All the results which belong to one target get displayed on one of the screens. (Picture 2)

### Series mode



Picture 2.



A radio and a cabled version is also available. Radio version is mostly recommended for places where cables cannot be placed. Cabled version is faster because of the data transfer. However, radio version offers a wider usage possibility as it can be used anywhere regardless of the field and can be easily used with an accumulator.