POLET LED

POLET SPORT

It provides dynamism and atmosphere to every sports facility

POLET Sport

In times when attendance at sports halls and stadiums is declining, digital communication with customers becomes essential. LED display screens provide a fresh atmosphere in stadiums and sports halls, adding value to visitors and enabling the enhancement of their stadium experience in the stands by delivering customized content to viewers through television broadcasts or through live video messages.

Content

External Scoreboards

Compared to traditional scoreboards, digital scoreboards have significant advantages: much faster and more reliable response to score changes, the ability to display video advertisements during game breaks, animated presentations of the club and players. External scoreboards enable the club to connect with their fans during moments when stadium attendance is declining and provide a fresh impetus for bringing the audience back to the stands due to a different match experience from the stands.

Polet has designed and delivered the majority of new screens in the Southeast European region. Our robust Polet Sport software with a control console can meet the demands of all sports.

The most common dimensions are 6 x 3.2, 5 x 3, and 8 x 4 meters

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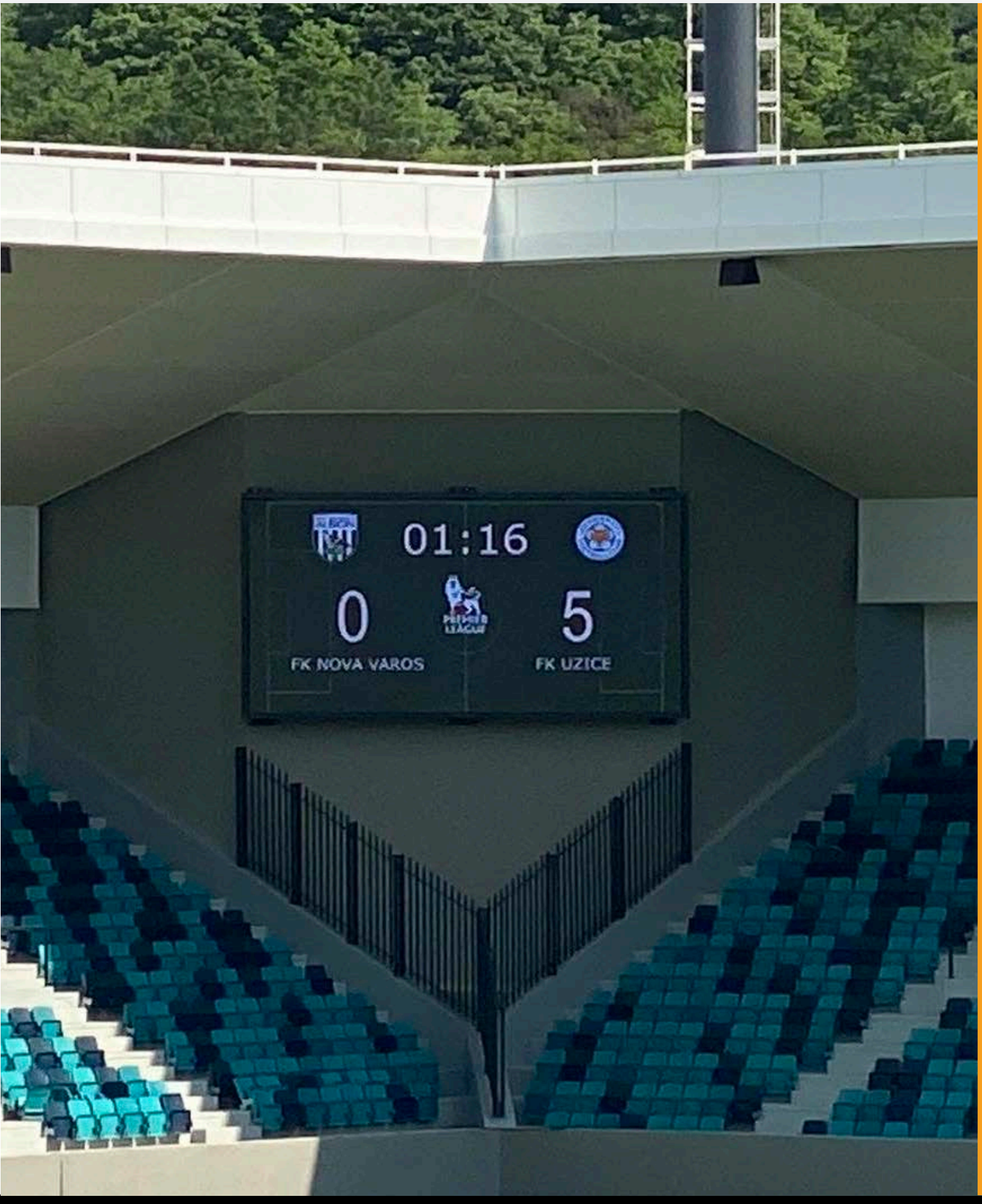

Fine Pitch | HD | RoHS COMPLIANT | Hight Refresh Rate | Front Service | PWS Power Saving | POLET.Cloud

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Technical Specification

The most common dimensions 6.4 x 3.2 m

Model	Polet FP5		Polet FP5.98		Polet FP8	
Distance Between Pixels (mm)	5		5.98		8	
Number of Pixels on m²	40 000		27 963		15 625	
Brightnes (cd/m²)	5500 nits		5500 nits		5500 nits	
Angel of View (Level 50% Brightnes)	Horizontal: 140° (70° from center); Vertical: 140° (70° from center)		Horizontal: 140° (70° from center); Vertical: 140° (70° from center)		Horizontal: 140° (70° from center); Vertical: 140° (70° from center)	
Refresh Rate	1920-3840		1920-3840		1920-3840	
Ingress Protection Rating	IP 65		IP 65		IP 65	
Working Temperature	-30~+65′		-30~+65′		-30~+65′	
Power Consumption (W/SQM)	650		700		650	
Average Power Consumption (W/SQM)	350		350		350	
Modul Dimension (mm)	Lenght	6400	Lenght	6400	Lenght	6400
	Height	3200	Height	3200	Height	3200
	Deepness	0.1	Deepness	0.1	Deepness	0.1
Recommended Screen View Distance (m)	5		6		8	
Screen Resolution	Lenght	1280	Lenght	1080	Lenght	800
	Height	640	Height	540	Height	400
Aspect Ratio H:V	2:1		2:1		2:1	

Indoor Scoreboards

Indoor sports, especially basketball, volleyball, and water polo, are highly dynamic, making it considerably complex and challenging to present all game parameters effectively. In addition to displaying scores and remaining time in halves or quarters, our solutions also support countdown timers for attacks in basketball and water polo. Combined with a media cube (mentioned in the following section), they provide an unforgettable experience for fans attending the match, which is incomparable to the traditional game watching at home.

Scoreboards are designed in accordance with the size of the sports hall, a new installation and construction are carried out. With our Polet Sport software and control console, the main scoreboards and countdown timers are seamlessly controlled. The main scoreboard can display the player information upon scoring, rewind the attack at the moment of scoring, show game statistics, or feature video advertisements from sponsors during special moments in the match.

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Technical Specification

The most common dimensions 2.9 x 1.6 m

Model	Polet FP2.5		Polet FP5	
Distance Between Pixels (mm)	2.5		5	
Number of Pixels on m²	160 000		40 000	
Brightnes (cd/m²)	1000 nits		1000 nits	
Angel of View (Level 50% Brightnes)	Horizontal: 140° (70° from center); Vertical: 140° (70° from center)		Horizontal: 140° (70° from center); Vertical: 140° (70° from center)	
Refresh Rate	1920-3840		1920-3840	
Ingress Protection Rating	IP 25		IP 25	
Working Temperature	-30～+65'		-30～+65'	
Power Consumption (W/SQM)	650		650	
Average Power Consumption (W/SQM)	350		350	
Modul Dimension (mm)	Lenght	2880	Lenght	2880
	Height	1600	Height	1600
	Deepness	0.1	Deepness	0.1
Recommended Screen View Distance (m)	2.5		5	
Screen Resolution	Lenght	1152	Lenght	576
	Height	640	Height	320
Aspect Ratio H:V	1.8 : 1		1.8 : 1	

Media Cubes

Media cubes occupy a central position in sports halls, allowing fans to view match information at any given moment. They provide an incredible visual identity to the venue and directly connect the sponsor with a fan.

Media cubes are directly connected to the scoreboard and results using Polet LED software. They enable the display of scores, sponsor advertisements, specific moments from the match, or playback of the last attack, creating a unique live match viewing experience.

Dimensions: 6 x 2.4 meters + 0.4 x 2.4 meters

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Technical Specification

The most common dimensions 6 x 2,4 m

Model	Polet FP2.5 N		Polet FP4	
Distance Between Pixels (mm)	2.5		4	
Number of Pixels on m2	160 000		62 500	
Brightnes (cd/m²)	1000 nits		1000 nits	
Angel of View (Level 50% Brightnes)	Horizontal: 140° (70° from center); Vertical: 140° (70° from center)		Horizontal: 140° (70° from center); Vertical: 140° (70° from center)	
Refresh Rate	1920-3840		1920-3840	
Ingress Protection Rating	IP 25		IP 25	
Working Temperature	-30～+65′		-30～+65′	
Power Consumption (W/SQM)	650		650	
Average Power Consumption (W/SQM)	350		350	
Modul Dimension (mm)	Lenght	5760	Lenght	5760
	Height	2400	Height	2400
	Deepness	0.1	Deepness	0.1
Recommended Screen View Distance (m)	2.5		5	
Screen Resolution	Lenght	2304	Lenght	1440
	Height	960	Height	600
Aspect Ratio H:V	2.5 : 1		2.5 : 1	

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Technical Specification for Indoor Strip Banner for Media Cube

The most common dimensions 0,4 x 2 m

Display	Polet FP2.5N		Polet FP4	
Distance Between Pixels (mm)	2.5		4	
Number of pixels on m²	160 000		250 000	
Brightnes (cd/m2)	1000 nits		1000 nits	
Angel of View (Level 50% Brightnes)	Horizontal: 140° (70° frm center); Vertical: 140° (70° from center)		Horizontal: 140° (70° frm center); Vertical: 140° (70° from center)	
Refresh Rate	1920-3840		1920-3840	
Ingress Protection Rating	IP 25		IP 25	
Working Temperature	-30~+65’		-30~+65’	
Power Consumption (W/SQM)	650		650	
Average Power Consumption (W/SQM)	280		280	
Screen Dimension (mm)	Length	320	Length	320
	Height	1920	Height	1920
	Deepness	0.1	Deepness	0.1
Recommended Screen View Distance (m)	2.2		4	
Screen Resolution	Length	128	Length	80
	Height	768	Height	480
Aspect Ratio H:V	6:1		6:1	

Perimeter and Banner LED Display Screens

Perimeter LED displays are placed alongside the field and display sponsor advertisements. They are the norm for basketball, football, and volleyball matches, allowing clubs to monetize game broadcasts through sponsor advertising. They are designed for live broadcasts and are always positioned on the opposite side of the camera. The standard dimensions for football matches are 24 meters, and for basketball matches, they are 42 meters. These are mobile rental screens that can be moved from one location to another.

The difference between perimeter and banner displays is that banners are fixed and typically have a width of 1 meter. They can be positioned anywhere inside the sports hall or football field. In addition to displaying sponsor advertisements and connecting fans with sponsors, their role is to create an atmosphere during the match by conveying messages such as a goal or basket scored, the name of the scorer, team or country colors, or other visual messages.

Polet's screens cover some of the largest clubs in the region, and they are also used by national teams in the region.

Dimensions: 6 x 2.4 meters + 0.4 x 2.4 meters

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Technical Specification

Football 240 x 1 m

Model	Polet FP4		Polet FP5		Polet FP5.98	
Distance Between Pixels (mm)	4		5		5.98	
Number of Pixels on m²	62 500		40 000		27 963	
Brightnes (cd/m²)	5500 nits		5500 nits		5500 nits	
Angel of View (Level 50% Brightnes)	Horizontal: 140° (70° from center); Vertical: 140° (70° from center)		Horizontal: 140° (70° from center); Vertical: 140° (70° from center)		Horizontal: 140° (70° from center); Vertical: 140° (70° from center)	
Refresh Rate	1920-3840		1920-3840		1920-3840	
Ingress Protection Rating	IP 65		IP 65		IP 65	
Working Temperature	-30～+65′		-30～+65′		-30～+65′	
Power consumption (W/SQM)	650		700		650	
Average Power Consumption (W/SQM)	350		350		350	
Modul Dimension (mm)	Lenght	240 000	Lenght	240 000	Lenght	240000
	Height	960	Height	960	Height	960
	Deepness	0.1	Deepness	0.1	Deepness	0.1
Recommended Screen View Distance (m)	4		5		6	
Screen Resolution	Lenght	60 000	Lenght	48 000	Lenght	40 134
	Height	240	Height	192	Height	160
Aspect Ratio H:V	250:1		250:1		250:1	

Technical Specification

Basketball 42 x 1 m

Model	Polet FP4		Polet FP5		Polet FP5.98	
Distance Between Pixels (mm)	4		5		5.98	
Number of Pixels on m²	62 500		40 000		27 963	
Brightnes (cd/m²)	5500 nits		5500 nits		5500 nits	
Angel of View (Level 50% Brightnes)	Horizontal: 140° (70° from center); Vertical: 140° (70° from center)		Horizontal: 140° (70° from center); Vertical: 140° (70° from center)		Horizontal: 140° (70° from center); Vertical: 140° (70° from center)	
Refresh Rate	1920-3840		1920-3840		1920-3840	
Ingress Protection Rating	IP 65		IP 65		IP 65	
Working Temperature	-30～+65′		-30～+65′		-30～+65′	
Power consumption (W/SQM)	650		700		650	
Average Power Consumption (W/SQM)	350		350		350	
Dimenzije ekrana u (mm)	Lenght	41280	Lenght	41280	Lenght	41280
	Height	960	Height	960	Height	960
	Deepness	0.1	Deepness	0.1	Deepness	0.1
Recommended Screen View Distance (m)	4		5		6	
Screen Resolution	Lenght	10320	Lenght	8256	Lenght	6966
	Height	240	Height	192	Height	160
Aspect Ratio H:V	43:1		43:1		43:1	

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Diagram of Polet Sport Installation for Football

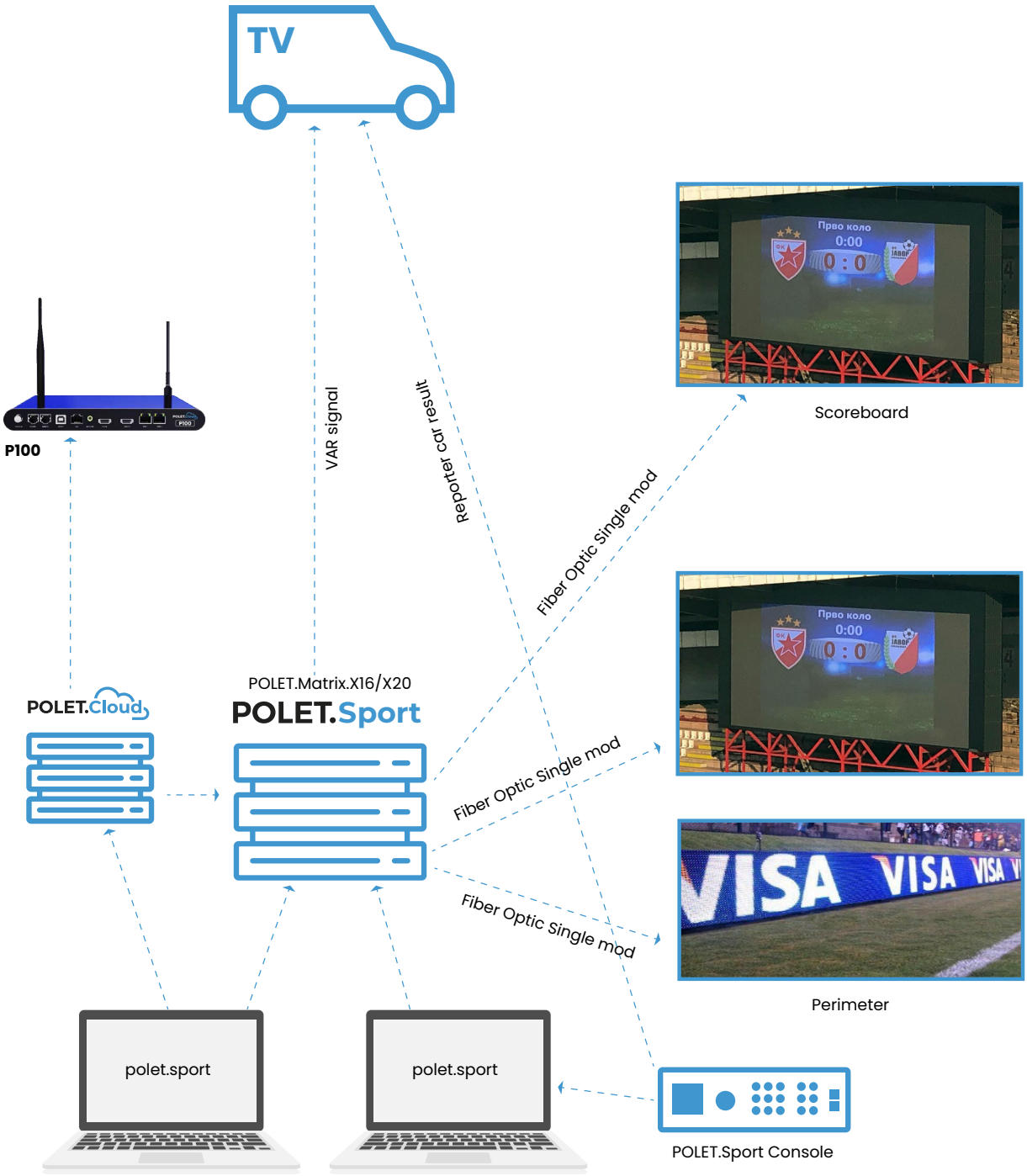

Diagram of Polet Sport Installation for Basketball

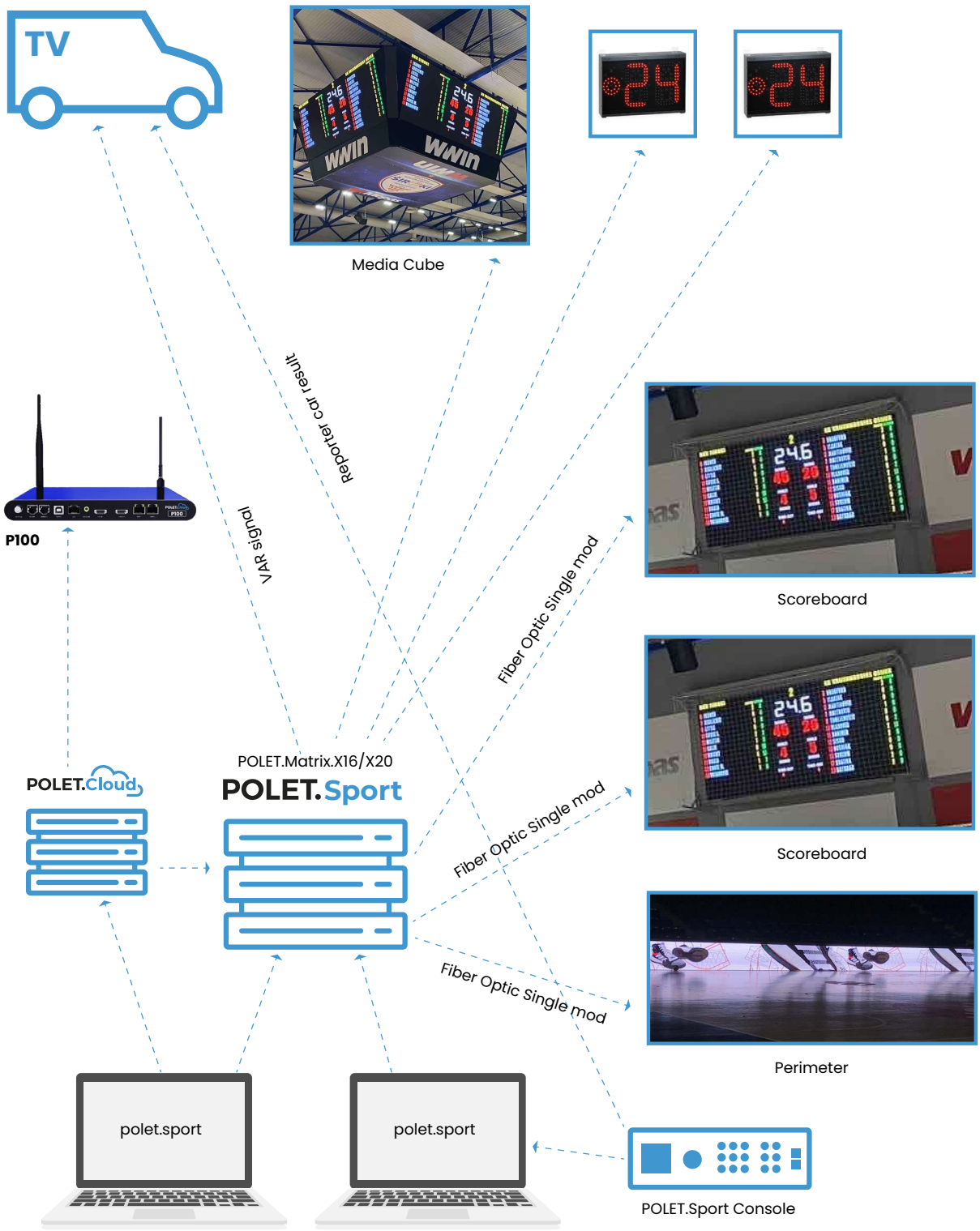

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Diagram of Polet Sport Installation for Wather polo

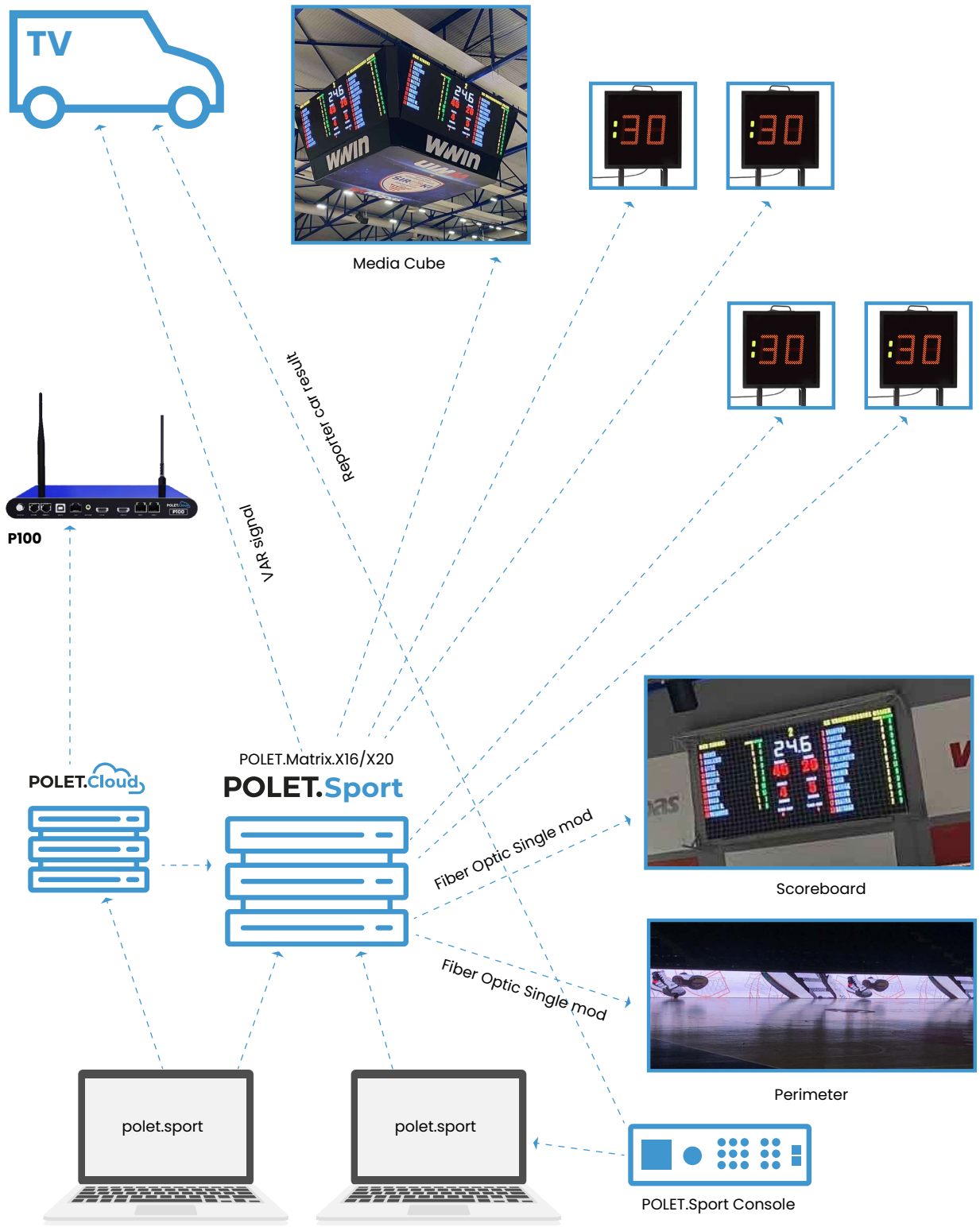

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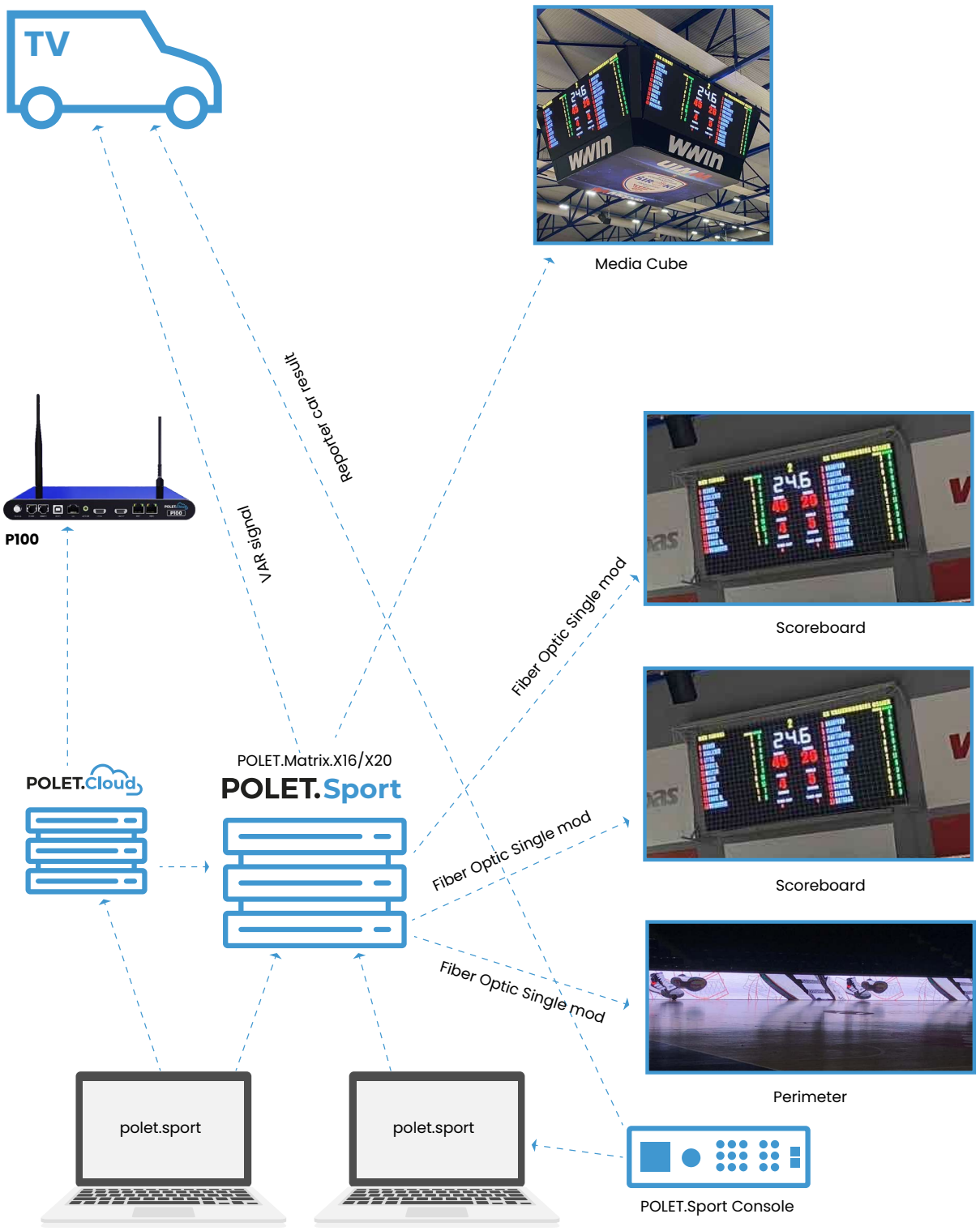
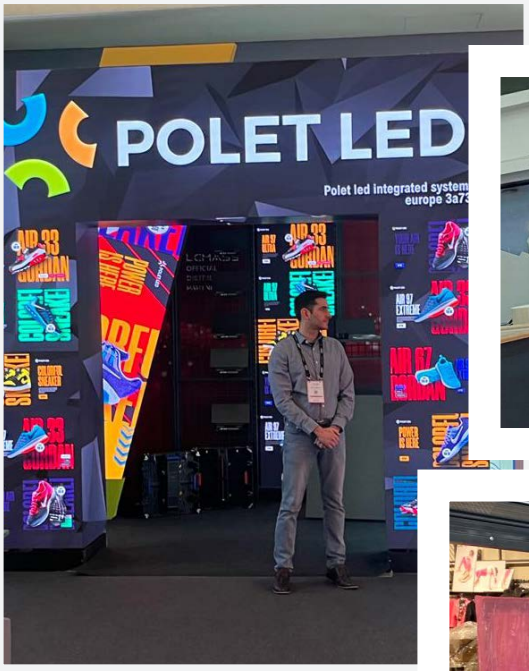
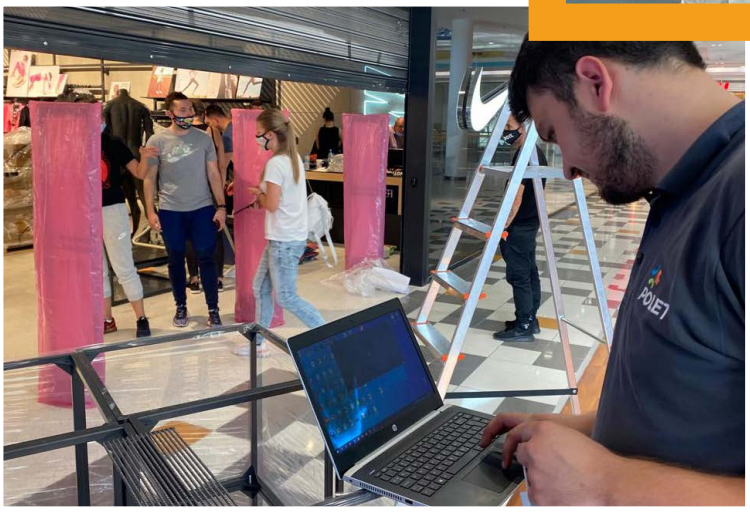
Diagram of Polet Sport Installation for Handball and Voleyball



POLET Sport

For over 30 years, we have been delivering impeccable engineering, design, and implementation. At present, Polet has over 100 products, at least half of which can be delivered within a timeframe of less than 15 days to any location in Europe.





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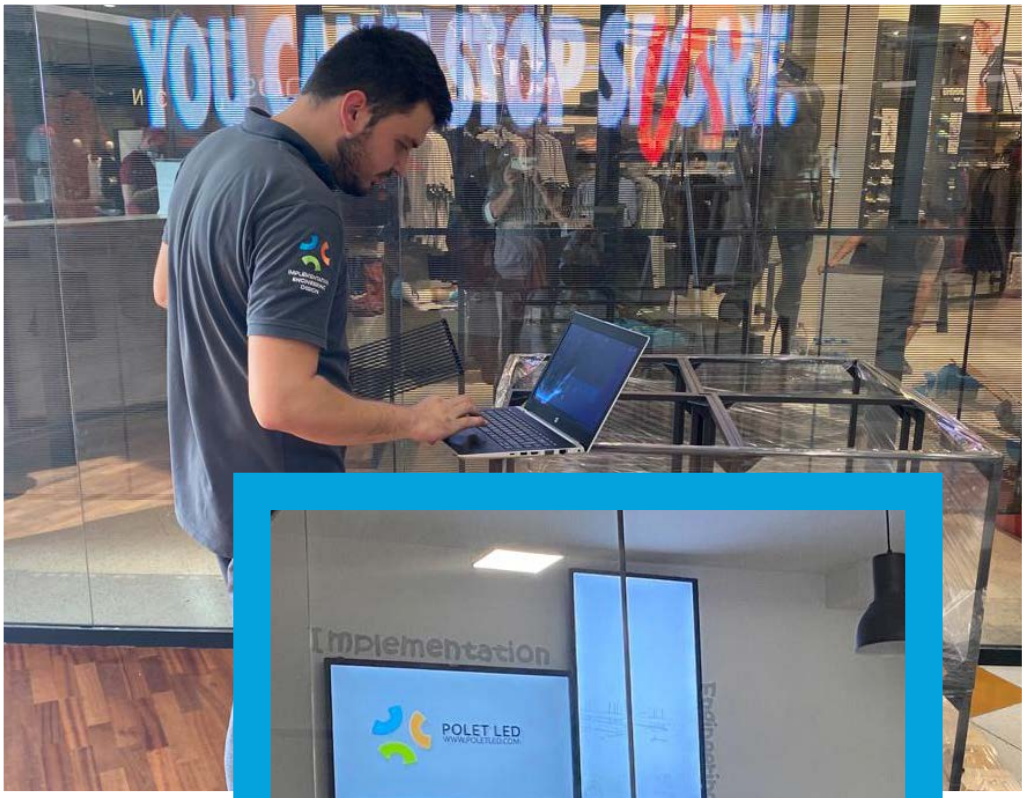


Implementation
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Designe

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GO GREEN

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In 2023, on its 30th anniversary, Polet adopted the GoGreen agenda formed in two directions:

- Polet will support the recycling of old display screens and provide customers with a discount for the option of purchasing new devices by trading in their old ones. Additionally, free recycling will be offered to all third-party users. In the course of its development and design, Polet aims to give new life to as many components from old devices as possible, particularly in the creation of new lighting products. The focus of the GoGreen agenda is on reducing electricity consumption through the further development of PWS (Power Save) LED display screens, as well as the development of outdoor display screens with a solar-powered system.
- The second part of this agenda will involve supporting events that promote people's engagement with nature. Since the Polet development center is located in Zlatibor, the focus will be on supporting programs that encourage staying in Zlatibor and the Tornik Ski Center.

As part of this agenda, it is planned that by 2025, the production in Braneško polje will have been covered by energy from its own solar power plant for at least nine months. Furthermore, the production line in the new headquarters (administrative) building, which is currently in the design phase, will have zero emission of harmful gases and dirty water, ensuring complete energy independence.