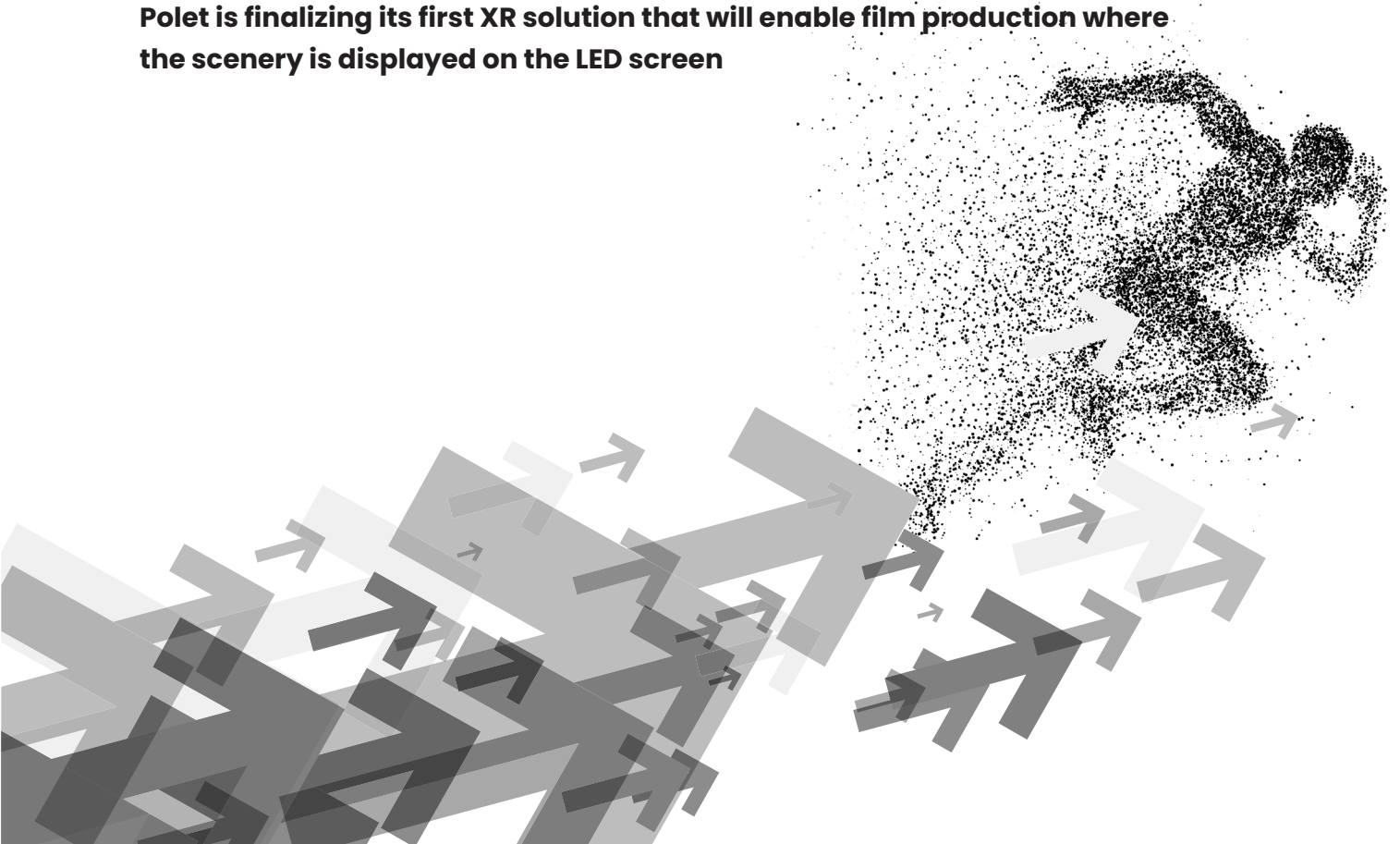# POLET LED

POLET CONFERENCE, PRESENTATION AND MEETING ROOMS, TV STUDIOS, XR (EXTENDED REALITY), AND CONTROL ROOMS

Over the past ten years, Polet has delivered numerous displays for national television networks in the region, as well as a significant number of small TV stations, starting with their first project for RTS Zagreb. Also, Polet is finalizing its first XR solution that will enable film production where the scenery is displayed on the LED screen

Polet conference, presentation and meeting rooms, TV studios, XR (Extended Reality), and control rooms

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During the last three ISE Europe trade fairs, Polet showcased POLET 1.5T Pro solution, designed specifically for control rooms and TV stations. Due to its unparalleled price-to-quality ratio compared to any TV option, the focus of development and sales will be on control rooms, not only for monitoring and managing critical situations in local administrations, police, following traffic congestion and violations, surveillance of CCTV cameras, but also for production monitoring.

Content

Conference, Presentation, and Meeting rooms

Modern TV production has become impossible without TV displays for set design. With our Polet C1.25, C1.54, and C1.86 curved display screens, it is possible to achieve stunning effects and set up the scenery at any angle and in any shape.

What's more, in the cost-effective option, it is possible to use Polet P2 and Polet P2.5 Pro, which allow for a smaller degree of curvature. Both series enable flicker-free and ghost-free recording in the highest quality.

With our incredible delivery deadlines, it is possible to get a completely new digital studio within two weeks.

CCE | Fine Pitch | E HD | RoHS COMPLIANT | High Refresh Rate | Front Service | PWS Power Saving | POLET.Cloud
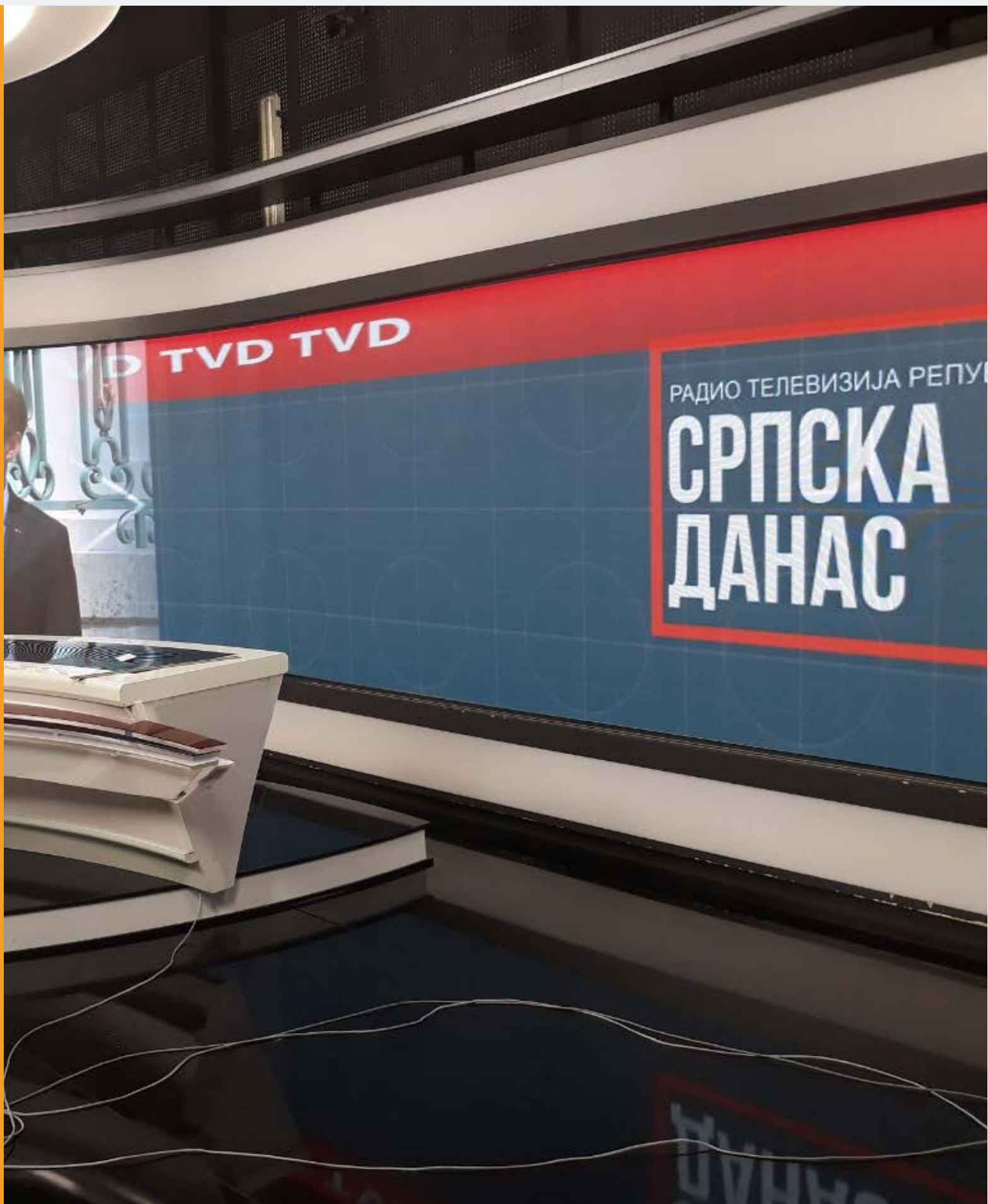
TV Studios

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

Control Rooms

The foundation of this system is the POLET P1.54 or Polet 1.86 LED display, along with the POLET video Matrix X16/X20. These displays are used for monitoring and receiving external camera feeds, data from PLC in production, or external/internal IP streams. The system is configured to operate 24/7 and has a significant advantage over traditional TFT/LCD solutions in terms of image contrast, color depth, brightness, and the absence of a bezel between two screens.

Additionally, with our delivery and design deadline of 2 weeks and a price that is half of LCD solutions, this is certainly a much better option than LCD and TFT solutions. These video walls are available in resolutions ranging from 4K to 16K.

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XR Studios

The Polet XR studio represents the latest innovation that enables Hollywood-style film and advertisement production in a studio setting. The entire set design is represented by an LED display, and the cameras are connected to a media player. Polet, in partnership with ColorLight, has enabled itself to be a one-stop provider for complete solutions from project to realization.

Munich, Germany HYPERBOWL studio

Polet conference, presentation and meeting rooms, TV studios, XR (Extended Reality), and control rooms

Technical Specification PH 1.25 Pro

POLET C1.25 Pro Indoor			
Distance Between Pixels (mm)	1.25		
Number of Pixels on m²	640 000		
Brightnes (cd/m²)	1000 nits		
HUE Color Saturnation	R: G: B = 30%:60%:10%		
Color Temperature	3,500° — 9,500° K		
Contrast	4,500:1		
Projected IC Mode	1/32		
Angel of View (Level 50% Brightnes)	Horizontal: 140° (70° from center); Vertical: 140° (70° from center)		
Led Dioda Brand	Nationstar/Kinglight		
Refresh Rate	1920–3840		
Ingress Protection Rating	IP 25		
LED Life Time (on 50% brightnes)	80,000		
Signal Path	Horizontal		
Working Temperature	−30∼+65'		
Power	240 V AC jednofazno (50-60Hz)		
Power Consumption (W/SQM)	650		
Average Power Consumption (W/SQM)	350		
Modul Configuration	Lenght	256	
	Height	128	
Modul Dimension (mm)	Lenght	320	
	Height	160	
Screen Configuration Number of Cabinets	Lenght	1	
	Height	1	
Screen Dimension (mm)	Lenght	960	
	Height	960	
	Deepness	0.1	
Recommended Screen View Distance (m)	Min	1.2	
	Max	250	
Screen Resolution	Lenght	768	
	Height	768	
Aspect Ratio H:V	1:1		

Polet conference, presentation and meeting rooms, TV studios, XR (Extended Reality), and control rooms

Technical Specification PH 1.54 Pro

POLET C1.54 Pro Indoor		
Distance Between Pixels (mm)	1.54	
Number of Pixels on m²	421 656	
Podešeno osvetljenje(cd/m)	1000 nits	
HUE Color Saturnation	R: G: B = 30%:60%:10%	
Color Temperature	3,500º — 9,500º K	
Contrast	4,500:1	
Projected IC Mode	1/32	
Angel of View (Level 50% Brightnes)	Horizontal: 140º (70º from center); Vertical: 140º (70º from center)	
Led Dioda Brand	Nationstar/Kinglight	
Refresh Rate	1920-3840	
Ingress Protection Rating	IP 25	
LED Life Time (on 50% brightnes)	80,000 hours	
Signal Path	Horizontal	
Working Temperature	–30～+65'	
Power	240 V AC jednofazno (50-60Hz)	
Power Consumption (W/SQM)	650	
Average Power Consumption (W/SQM)	350	
Modul Configuration	Lenght	208
	Height	104
Modul Dimension (mm)	Lenght	320
	Height	160
Screen Configuration Number of Cabinets	Lenght	1
	Height	1
Screen Dimension (mm)	Lenght	960
	Height	960
	Deepness	0.1
Recommended Screen View Distance (m)	Min	1.5
	Max	250
Screen Resolution	Lenght	624
	Height	624
Aspect Ratio H:V	1:1	

Technical Specification PH 1.86 Pro

POLET C1.86 Pro Indoor		
Distance Between Pixels (mm)	1.86	
Number of Pixels on m²	288 906	
Podešeno osvetljenje(cd/m²)	1000 nits	
HUE Color Saturnation	R: G: B = 30%:60%:10%	
Color Temperature	3,500° — 9,500° K	
Contrast	4,500:1	
Projected IC Mode	1/32	
Angel of View (Level 50% Brightnes)	Horizontal: 140° (70° from center); Vertical: 140° (70° from center)	
Led Dioda Brand	Nationstar/Kinglight	
Refresh Rate	1920-3840	
Ingress Protection Rating	IP 25	
LED Life Time (on 50% brightnes)	80,000 hours	
Signal Path	Horizontal	
Working Temperature	–30～+65′	
Power	240 V AC jednofazno (50-60Hz)	
Power Consumption (W/SQM)	650	
Average Power Consumption (W/SQM)	350	
Modul Configuration	Lenght	172
	Height	86
Modul Dimension (mm)	Lenght	320
	Height	160
Screen Configuration Number of Cabinets	Lenght	1
	Height	1
Screen Dimension (mm)	Lenght	960
	Height	960
	Deepness	0.1
Recommended Screen View Distance (m)	Min	1.8
	Max	250
Screen Resolution	Lenght	516
	Height	516
Aspect Ratio H:V	1:1	

Polet conference, presentation and meeting rooms, TV studios, XR (Extended Reality), and control rooms

Technical Specification PH 2 Pro

POLET F2 Pro Indoor			
Distance Between Pixels (mm)	2		
Number of Pixels on m²	250 000		
Podešeno osvetljenje(cd/m²)	1000 nits		
HUE Color Saturnation	R: G: B = 30%:60%:10%		
Color Temperature	3,500° — 9,500° K		
Contrast	4,500:1		
Projected IC Mode	1/32		
Angel of View (Level 50% Brightnes)	Horizontal: 140° (70° from center); Vertical: 140° (70° from center)		
Led Dioda Brand	Nationstar/Kinglight		
Refresh Rate	1920-3840		
Ingress Protection Rating	IP 25		
LED Life Time (on 50% brightnes)	80,000 hours		
Signal Path	Horizontal		
Working Temperature	–30～+65'		
Power	240 V AC jednofazno (50-60Hz)		
Power Consumption (W/SQM)	650		
Average Power Consumption (W/SQM)	350		
Modul Configuration	Lenght	160	
	Height	80	
Modul Dimension (mm)	Lenght	320	
	Height	160	
Screen Configuration Number of Cabinets	Lenght	1	
	Height	1	
Screen Dimension (mm)	Lenght	960	
	Height	960	
	Deepness	0.1	
Recommended Screen View Distance (m)	Min	2	
	Max	250	
Screen Resolution	Lenght	480	
	Height	480	
Aspect Ratio H:V	1:1		

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

Technical Specification PH 2.5 Pro

POLET F2.5 Pro Indoor		
Distance Between Pixels (mm)	2.5	
Number of Pixels on m²	160 000	
Podešeno osvetljenje(cd/m²)	1000 nits	
HUE Color Saturnation	R: G: B = 30%:60%:10%	
Color Temperature	3,500° — 9,500° K	
Contrast	4,500:1	
Projected IC Mode	1/32	
Angel of View (Level 50% Brightnes)	Horizontal: 140° (70° from center); Vertical: 140° (70° from center)	
Led Dioda Brand	Nationstar/Kinglight	
Refresh Rate	1920–3840	
Ingress Protection Rating	IP 25	
LED Life Time (on 50% brightnes)	80,000 hours	
Signal Path	Horizontal	
Working Temperature	−30～+65'	
Power	240 V AC jednofazno (50-60Hz)	
Power Consumption (W/SQM)	650	
Average Power Consumption (W/SQM)	350	
Modul Configuration	Lenght	128
	Height	64
Dimenzija modula (mm)	Lenght	320
	Height	160
Screen Configuration Number of Cabinets	Lenght	1
	Height	1
Screen Dimension (mm)	Lenght	960
	Height	960
	Deepness	0.1
Recommended Screen View Distance (m)	Min	2.5
	Max	250
Screen Resolution	Lenght	384
	Height	384
Aspect Ratio H:V	1:1	

Polet conference, presentation and meeting rooms, TV studios, XR (Extended Reality), and control rooms

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.
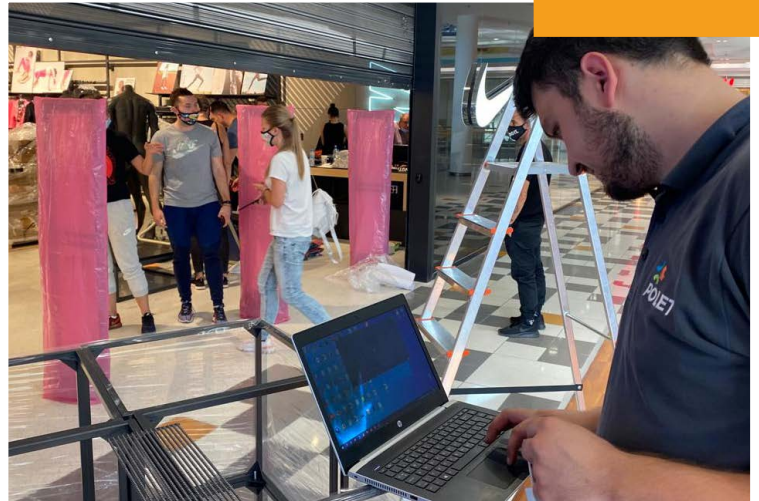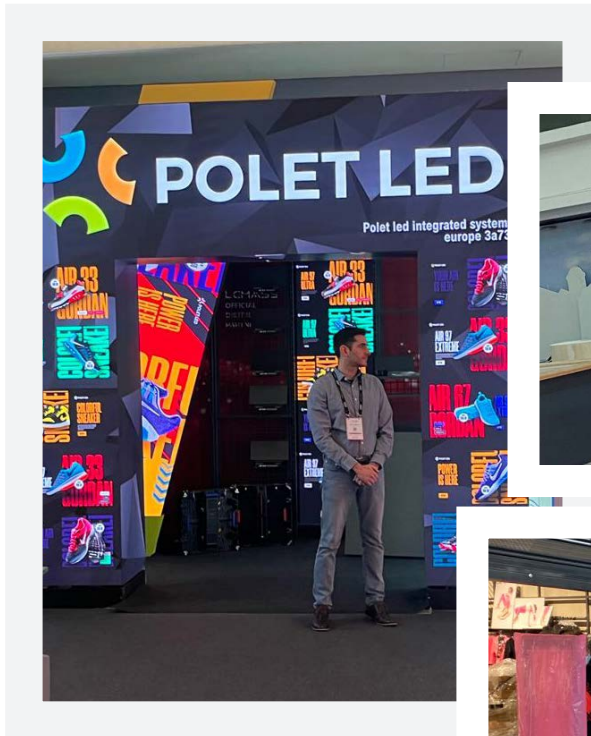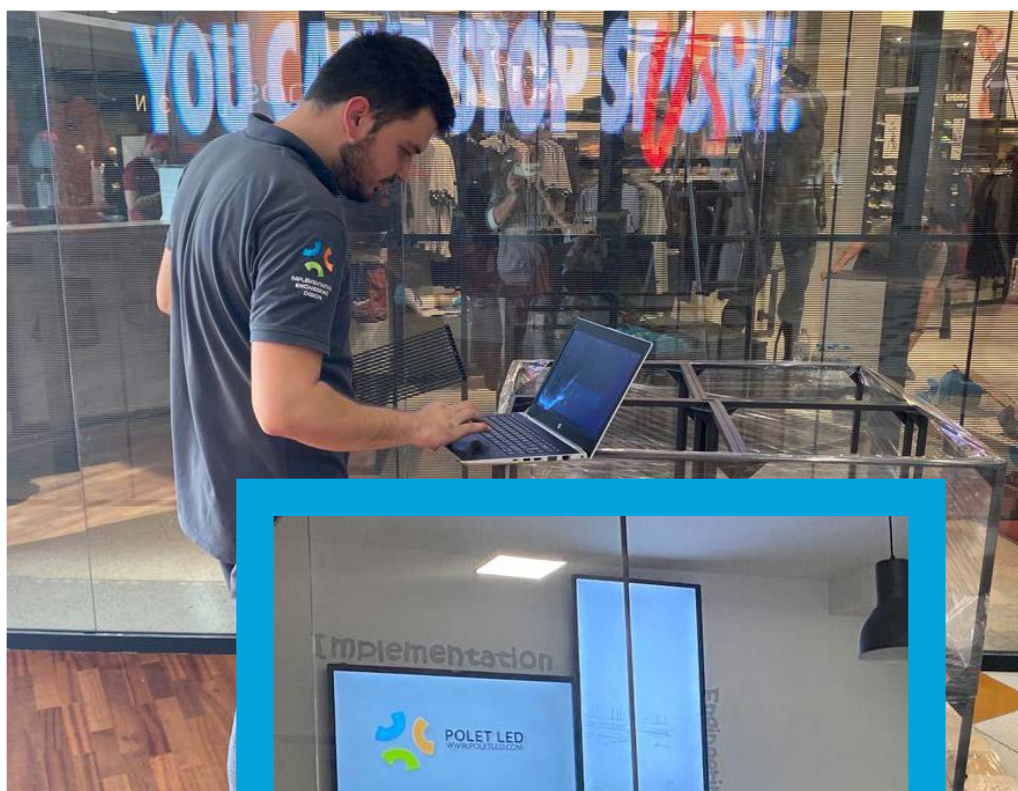
GO GREEN

POLET LED

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.