



# LOW EMISSIONS POWERTRAIN

Product catalogue 2023







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**Photos**

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Urbino 12 CNG		● standard ○ option
Driveline	<b>Engine</b>	
	Cummins L9NE6DII320 (235kW)	●
	<b>Transmission</b>	
	Voith DIWA.6	●
	ZF-EcoLife	○
	Voith Diwa NXT + CRU (mild hybrid)	○
	<b>Gas tanks</b>	
	composite gas cylinder 4 x 315 l	●
	composite gas cylinder 5 x 315 l	○
	composite gas cylinder 5 x 340 l	○
Chassis	<b>Front axle</b>	
	ZF independent axle	●
	ZF rigid axle	○
	<b>Drive axle</b>	
	ZF portal axle	●
	<b>Central lubrication</b>	
	central lubrication point - solid lubricating grease	●
	central lubrication system with self-diagnostic - semi-fluid lubrication grease	○
	<b>Steering system</b>	
	RB Servocom	●
<b>Braking system</b>		
EBS (Electronic Braking System), ABS (Anti-Lock Braking System), ASR (Acceleration Slip Regulation)	●	
ESC (Electronic Stability Control)	○	
<b>Auxiliary brake</b>		
transmission-integrated retarder	●	
<b>Suspension levelling system</b>		
ECAS air suspension with leveling and kneeling function	●	

Urbino 12 CNG		● standard ○ option
Bodywork	<b>Body structure</b>	
	stainless steel	●
	<b>Side panels</b>	
	removable side panels	●
	<b>Door arrangement</b>	1-2-0 2-2-0 1-2-2 2-2-2
	<b>Entrance height</b>	
	entrance height for all doors and 275x70R22.5 tyres	320 mm
	<b>Wheelchair ramp</b>	
	wheelchair ramp at the 2nd entrance, manually operated	●
	wheelchair ramp at the 2nd entrance, electrically operated	○
<b>Number of passenger seats (depending on door arrangement and equipment)</b>	max. 37 + 3	
Heating, ventilation and air-conditioning	<b>Air-conditioning in the driver's cabin</b>	
	air-conditioning powered by passenger compartment unit	○
	air-conditioning with electric drive	○
	<b>Air-conditioning in the passenger compartment</b>	
	air-conditioning with mechanical drive	○
	<b>Ventilation system</b>	
	dual-function fans	●
	<b>Roof hatches</b>	
	manual	○
	electric	●
<b>Passenger compartment heating system</b>		
CNG additional heater	○	
convector-type heaters	○	
2-stage blowers	●	
Electrical installation	<b>Electrical installation</b>	
	electrical installation based on CAN-Bus system	●

Urbino 18 CNG		● standard ○ option
Driveline	<b>Engine</b>	
	Cummins L9NE6DII320 (235kW)	●
	<b>Transmission</b>	
	Voith DIWA.6	●
	ZF-EcoLife	○
	<b>Gas tanks</b>	
composite gas cylinder 5 x 315 l	○	
composite gas cylinder 5 x 340 l	○	
composite gas cylinder 5 x 375 l	●	
Chassis	<b>Front axle</b>	
	ZF independent axle	●
	ZF rigid axle	○
	<b>Drive axle</b>	
	ZF portal axle	●
	<b>Central axle</b>	
	ZF neutral axle	●
	<b>Central lubrication</b>	
	central lubrication point - solid lubricating grease	●
	central lubrication system with self-diagnostic - semi-fluid lubrication grease	○
	<b>Steering system</b>	
	RB Servocom	●
	<b>Braking system</b>	
	EBS (Electronic Braking System), ABS (Anti-Lock Braking System), ASR (Acceleration Slip Regulation)	●
<b>Auxiliary brake</b>		
transmission-integrated retarder	●	
<b>Suspension levelling system</b>		
ECAS air suspension with leveling and kneeling function	●	

Urbino 18 CNG		● standard ○ option
Bodywork	<b>Body structure</b>	
	stainless steel	●
	<b>Side panels</b>	
	removable side panels	●
	<b>Door arrangement</b>	1-2-2-0 2-2-2-0 1-2-2-2 2-2-2-2
	<b>Entrance height</b>	
	entrance height for all doors and 275x70R22.5 tyres	320 mm
	<b>Wheelchair ramp</b>	
	wheelchair ramp at the 2nd entrance, manually operated	●
	wheelchair ramp at the 2nd entrance, electrically operated	○
<b>Number of passenger seats (depending on door arrangement and equipment)</b>	max. 49 + 6	
Heating, ventilation and air-conditioning	<b>Air-conditioning in the driver's cabin</b>	
	air-conditioning powered by passenger compartment unit	○
	air-conditioning with electric drive	○
	<b>Air-conditioning in the passenger compartment</b>	
	air-conditioning with mechanical drive	○
	<b>Ventilation system</b>	
	dual-function fans	●
	<b>Roof hatches</b>	
	manual	○
	electric	●
<b>Passenger compartment heating system</b>		
CNG additional heater	○	
convector-type heaters	○	
2-stage blowers	●	
Electrical installation	<b>Electrical installation</b>	
	electrical installation based on CAN-Bus system	●



Urbino 12 hybrid		● standard ○ option
Driveline	<b>Engine</b>	
	Cummins B4.5E6D210H (151 kW)	●
	<b>Hybrid system</b>	
	type	serial
	<b>Energy storage system</b>	
	traction motor of 120 kW continuous power	●
	generator of 145 kW power	●
	<b>Fuel-tank</b>	
	200 l	●
	310 l	○
<b>AdBlue-tank - 40 l</b>	●	
<b>Auxiliary heating system</b>		
additional heater	○	
additional biofuel heater with a separate tank	○	

Chassis	<b>Front axle</b>	
	ZF independent axle	●
	ZF rigid axle	○
	<b>Drive axle</b>	
	ZF portal axle	●
	<b>Central lubrication</b>	
	central lubrication point - solid lubricating grease	●
	central lubrication system with self-diagnostic - semi-fluid lubrication grease	○
	<b>Steering system</b>	
	RB Servocom	●
Hema	○	
<b>Braking system</b>		
EBS (Electronic Braking System), ABS (Anti-Lock Braking System), ASR (Acceleration Slip Regulation)	●	
ESC (Electronic Stability Control)	○	
<b>Auxiliary brake</b>		
electrodynamic brake (with energy recovery)	●	
<b>Suspension levelling system</b>		
ECAS air suspension with leveling and kneeling function	●	

Urbino 12 hybrid		● standard ○ option
Bodywork	<b>Body structure</b>	
	stainless steel	●
	<b>Side panels</b>	
	removable side panels	●
	<b>Door arrangement</b>	1-2-0 2-2-0 1-2-2 2-2-2
	<b>Entrance height</b>	
	entrance height for all doors and 275x70R22.5 tyres	320 mm
	<b>Wheelchair ramp</b>	
	wheelchair ramp at the 2nd entrance, manually operated	●
	wheelchair ramp at the 2nd entrance, electrically operated	○
<b>Number of passenger seats (depending on door arrangement and equipment)</b>	max. 37 + 3	

Heating, ventilation and air-conditioning	<b>Air-conditioning in the driver's cabin</b>	
	air-conditioning powered by passenger compartment unit	○
	air-conditioning with electric drive	○
	<b>Air-conditioning in the passenger compartment</b>	
	air-conditioning with mechanical drive	○
	<b>Ventilation system</b>	
	dual-function fans	○
	<b>Roof hatches</b>	
	manual	○
	electric	●
<b>Passenger compartment heating system</b>		
additional heater	●	
convector-type heaters	○	
2-stage blowers	●	

Electrical installation	<b>Electrical installation</b>	
	electrical installation based on CAN-Bus system	●

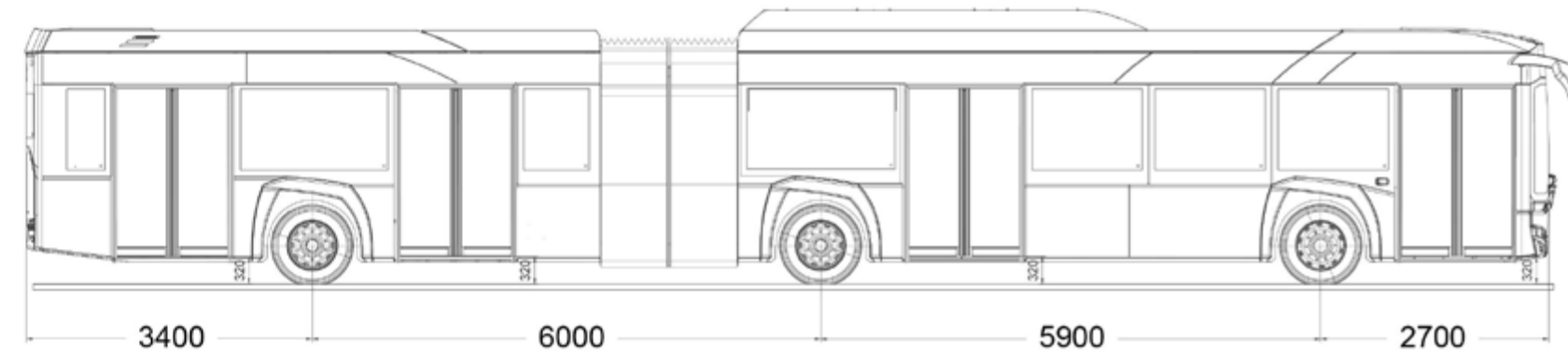


Urbino 18 hybrid		● standard ○ option
Driveline	<b>Engine</b>	
	Cummins B6.7E6D300H (220 kW)	●
	<b>Hybrid system</b>	
	type	serial
	<b>Energy storage system</b>	
	traction motor of 200 kW continuous power	●
	generator of 200 kW power	●
	<b>Fuel-tank</b>	
	360 l	●
	<b>AdBlue-tank - 40 l</b>	●
<b>Auxiliary heating system</b>		
additional heater	○	
additional biofuel heater with a separate tank	○	
Chassis	<b>Front axle</b>	
	ZF independent axle	●
	ZF rigid axle	○
	<b>Drive axle</b>	
	ZF portal axle	●
	<b>Central axle</b>	
	ZF neutral axle	●
	<b>Central lubrication</b>	
	central lubrication point - solid lubricating grease	●
	central lubrication system with self-diagnostic - semi-fluid lubrication grease	○
<b>Steering system</b>		
RB Servocom	●	
<b>Braking system</b>		
EBS (Electronic Braking System), ABS (Anti-Lock Braking System), ASR (Acceleration Slip Regulation)	●	
<b>Auxiliary brake</b>		
electrodynamic brake (with energy recovery)	●	
<b>Suspension levelling system</b>		
ECAS air suspension with leveling and kneeling function	●	

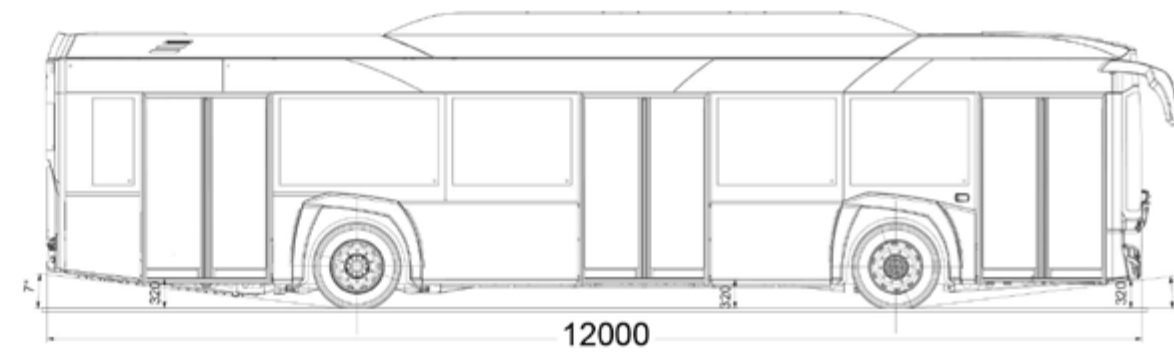
Urbino 18 hybrid		● standard ○ option
Bodywork	<b>Body structure</b>	
	stainless steel	●
	<b>Side panels</b>	
	removable side panels	●
	<b>Door arrangement</b>	
		1-2-2-0
		2-2-2-0
		1-2-2-2
		2-2-2-2
	<b>Entrance height</b>	
entrance height for all doors and 275x70R22.5 tyres	320 mm	
<b>Wheelchair ramp</b>		
wheelchair ramp at the 2nd entrance, manually operated	●	
wheelchair ramp at the 2nd entrance, electrically operated	○	
<b>Number of passenger seats (depending on door arrangement and equipment)</b>	max. 49 + 6	
Heating, ventilation and air-conditioning	<b>Air-conditioning in the driver's cabin</b>	
	air-conditioning powered by passenger compartment unit	○
	air-conditioning with electric drive	○
	<b>Air-conditioning in the passenger compartment</b>	
	air-conditioning with mechanical drive	○
	<b>Ventilation system</b>	
	dual-function fans	○
	<b>Roof hatches</b>	
	manual	○
	electric	●
<b>Passenger compartment heating system</b>		
additional heater	●	
convector-type heaters	○	
2-stage blowers	●	
Electrical installation	<b>Electrical installation</b>	
	electrical installation based on CAN-Bus system	●



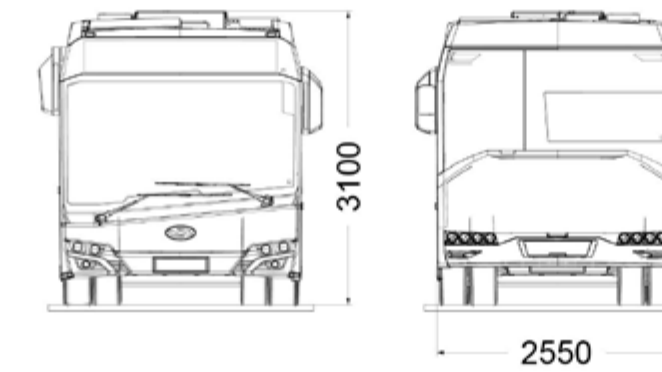
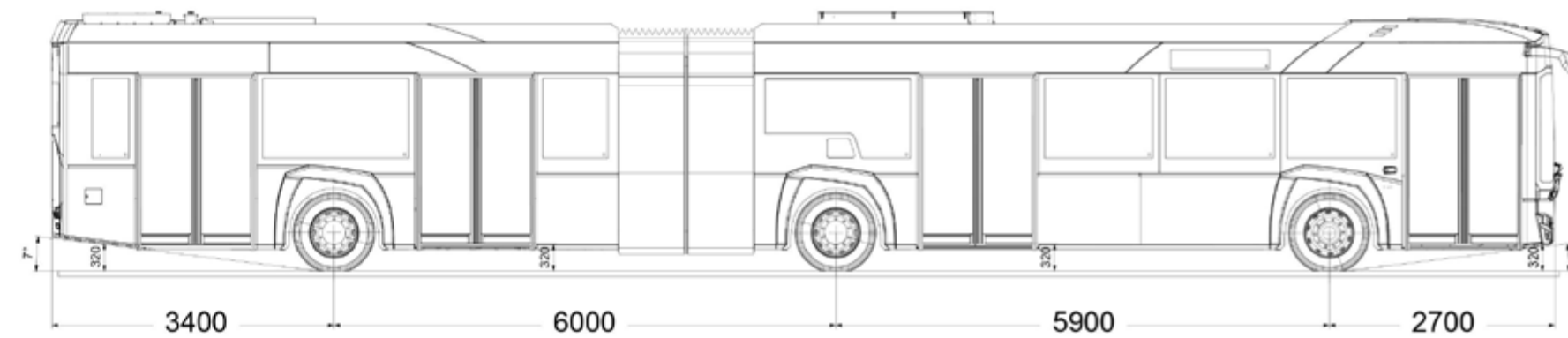
> Urbino 18 CNG



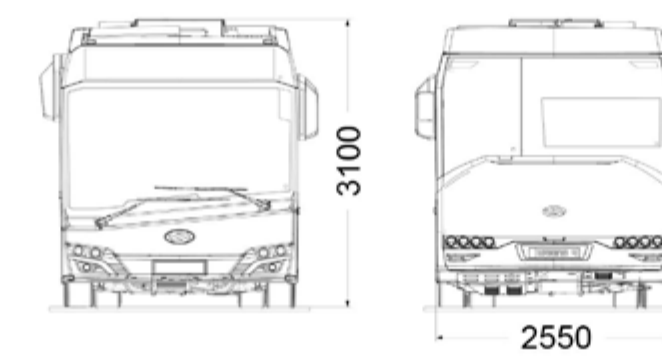
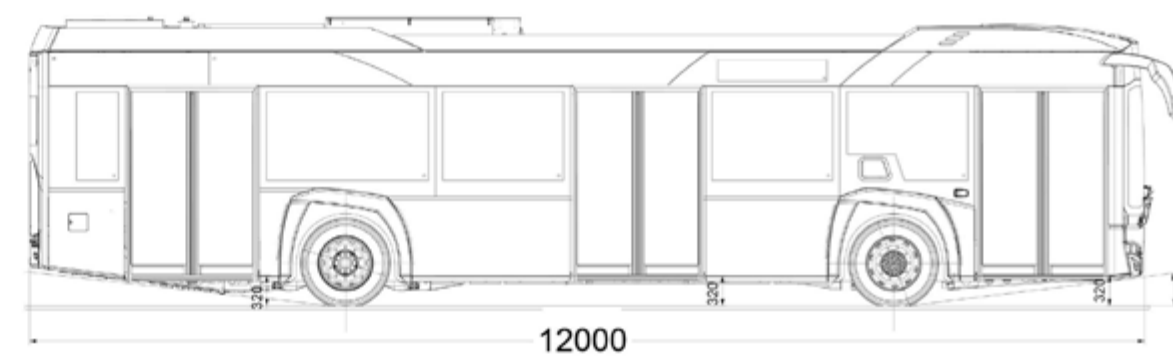
> Urbino 12 CNG



> Urbino 18 hybrid



> Urbino 12 hybrid





Solaris Urbino 12 hybrid | Demonstration vehicle



Solaris Urbino 12 hybrid | Demonstration vehicle



Solaris Urbino 12 hybrid | Demonstration vehicle









Solaris Urbino 18 CNG | Warszawa



Solaris Urbino 18 CNG | Warszawa



Solaris Urbino 12 CNG | Kostrzyn

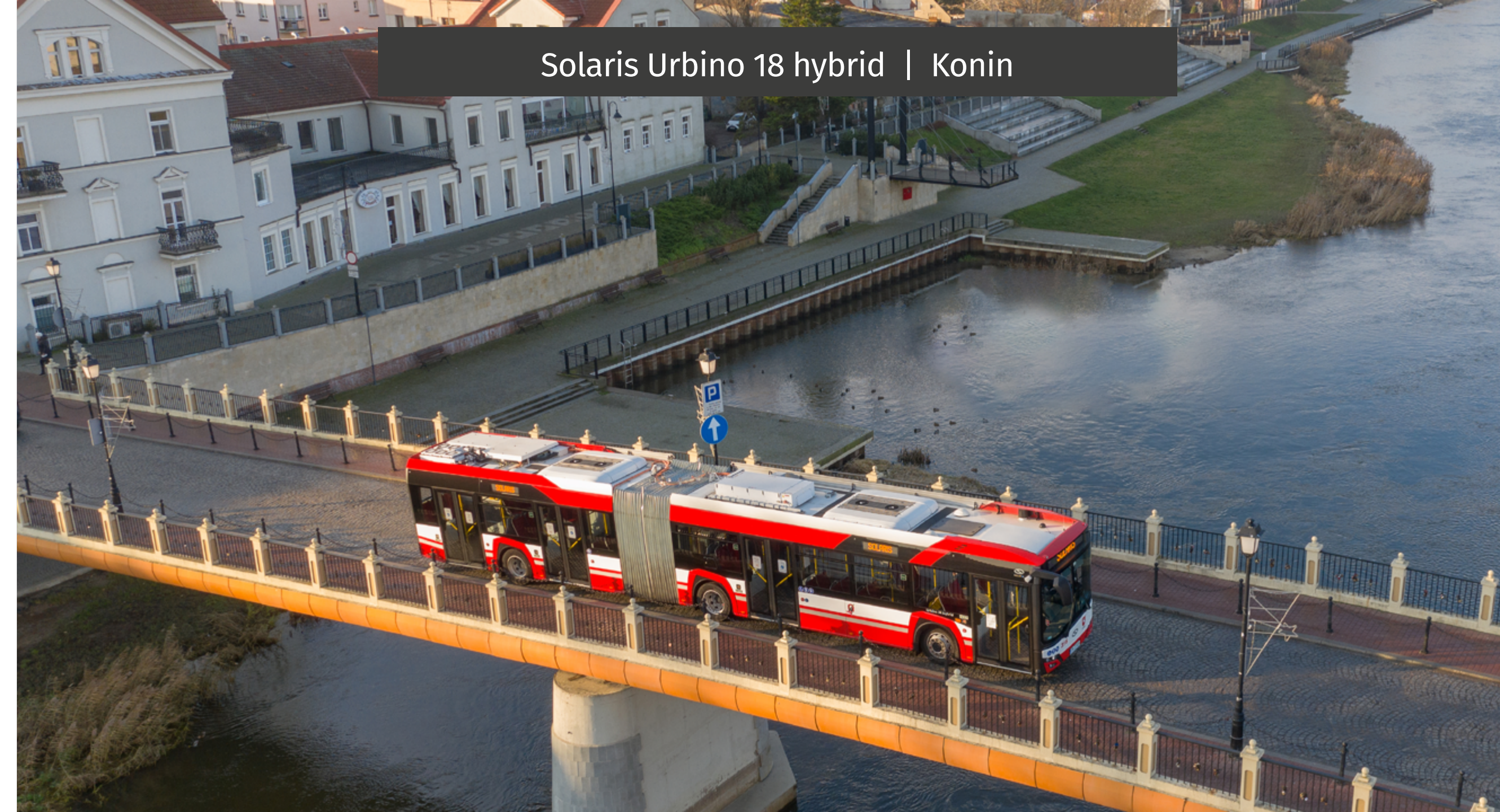




Solaris Urbino 18 hybrid | Konin



Solaris Urbino 18 hybrid | Konin



Solaris Urbino 18 hybrid | Konin





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