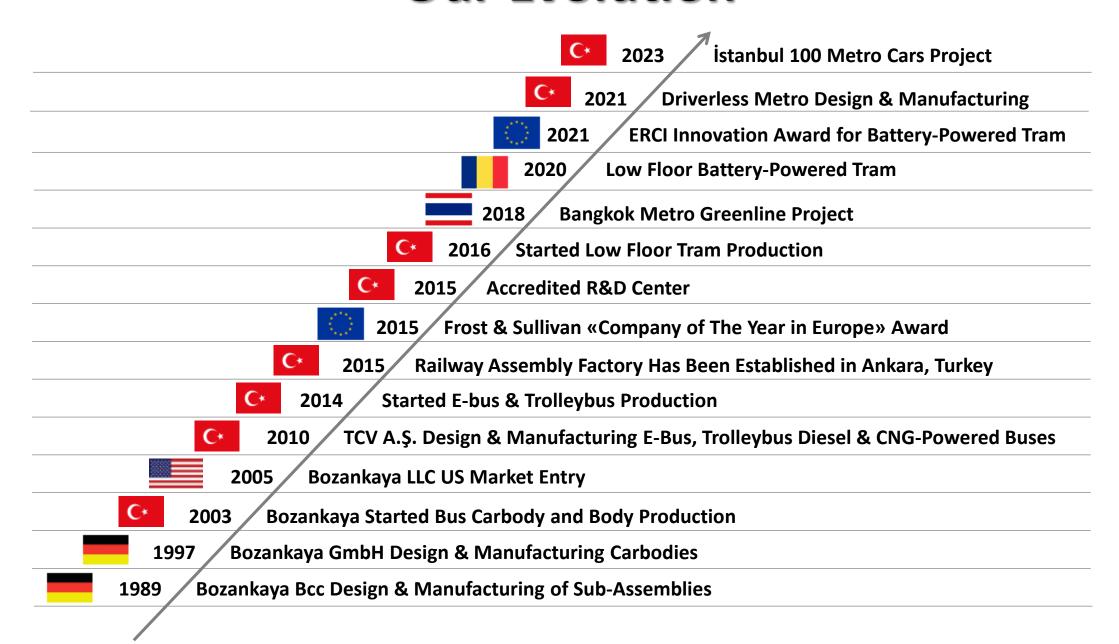




Our Evolution



Overview to e-Transport Solutions 1/11







Bogie

Tram

Metro

- Design & Manufacturing
- FrameDesign & Manufacturing
- Strength Analysis
- FrameWelding FixturesDesign & Manufacturing

• TCMS

Design & Manufacturing

- Software
- Cabling
- Harness
- HV Battery &
 Management System

TCMS

Design & Manufacturing

- Software
- Cabling
- Harness
- Management System

Engineering to Order, Design to Manufacturing and Delivery of the above-mentioned e-transport solutions through accredited R&D center

Overview to e-Transport Solutions



E-BUS

- 10m, 12m, 18m, 25m
- Design & Manufacturing
- Software
- Cabling
- HV Battery & Management System



Trolleybus

- 12m, 18m, 25m
- Design & Manufacturing
- Software
- Cabling
- HV Battery & Management System



Electrical Component

- Battery Management System,
- Chargers



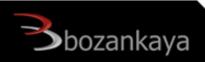
Metal Process

- SheetShaping & Forming
- Pipe & TubeShaping & Forming
- Welding & Manufacturing
- Sand Blasting/ Leveling
- Paint Shop

Engineering to Order, Design to Manufacturing and Delivery of the above-mentioned e-transport solutions through accredited R&D center

Capacity

	Sub-com Producti	•	Electric Commercial Vehicles & Railway Systems Production Center			Metal Part Processing Plant	
	40.000 m ²		100.000 m ²				_
Total Area			5.000 m Lineer Rail Track			24.000 m ²	
			30.000 m ² Extension				
Closed Area			60.000 m ²			9.200 m²	
Product	E-bus	Railway System	E-Bus	Tram	Metro	Bus Aluminium Parts	Rail Vehicles Aluminium Parts
Plant Capacity	17 cars/day	2 cars/day	1,2 cars/day	1,2 cars/day	0,7 cars/day	2,3 t/day	0,7 t/day
Employees	White Collar: 51		White Collar: 190 (98 in R&D)			White Collar: 24	
	Blue Collar: 291		Blue Collar: 484			Blue Collar: 98	
	Total: <u>342</u>		Total: <u>674</u>			Total: <u>122</u>	
			TOTAL:	1138			



Sincan Production Plant





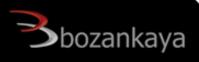


Saray - Metal Component Production Plant



- Integrated Production System
- Semi-Automatic Suspended Paint Shop & Coating
- Fixture Design & Manufacturing
- Smart Shelf System
- Supermarket Barcode Management







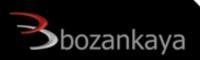
Trams

- 100% low-floor design
- Award-winning battery powered tram with longest range in railway history
- High passenger capacity up to 300 passengers (for 32m length).
- Low energy
 consumption
 (2.4kWh/km), zero
 emission and modern
 design, offering space,
 comfort and safety
- Endurable, efficient and modular design

Metros

- High passenger capacity:
 1150 passengers (for
 90m length)
- Unique design, offering safety and comfort
- Currently transports
 more than 1 million
 passengers/day; safely &
 efficiently





E-Bus (*)

- 100% Electric traction
- Length options: 10,12, 18 & 25 meters
- Passenger capacity between 75 and 232
- ~300 Km range with a single charging

 Bozankaya 3rd generation e-buses will be launched in Busworld 2024 in Istanbul





Trolleybus «Trambus»

- High passenger capacity:221 (for 25m length)
- Environmentally friendly with zero-emission
- Low consumption: 3kwh/km for 25m with HVAC on

- Non-catenary driving option
- Length options:
 12, 18 & 25 meters (for turnkey option)
- Low infrastructure cost

Delivered Projects



KAYSERİ TRAM



MALATYA TROLLEYBUS



MANISA E-BUS

Rubber-Tired

- Ankara E-bus Darmstadt E-bus
- Konya E-bus
 - Elazığ E-bus
- Kayseri E-bus
- Malatya Trolleybus •
- Manisa E-bus
- Eskişehir E-bus
- İzmir E-bus

Rolling Stock

- Kayseri Tram
- Timişoara Tram
- lasi Tram
- Bangkok Metro

- a E-bus Neuss E-bus
 - Mainz E-bus

Lübeck E-bus

Echternach E-bus

Burghausen E-bus

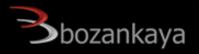
Nordhausen E-bus

E-bus • Fulda E-bus

Delivered 135 E-buses, 26 Trolleybuses, 88 Metro Cars, 64 Trams & more than ~3000 Wagons in cooperation with various OEMs

Ongoing Projects in the Local Market





İstanbul 100 Metro Cars (M4 Line)

- 88 meters long
- 25 units of 4-cars train sets
- Autonomous vehicle (Driverless-GoA2)



İstanbul Türkiye Gebze - Darıca Metro

- Four-unit metro trains 7 sets with 28 metro car
- Autonomous vehicle (Driverless-GoA4)

Kocaeli Türkiye Tram

- 10 Sets, 33 meters in length ,100% low-floor tram
- Bi-directional,298+ passenger capacity

Antalya Türkiye Tram

2 Sets, 32 meters in length ,100% low-floor tram

Kayseri Türkiye 5 + 6 Tram Project

11 Sets, 33 meters in length ,100% low-floor tram, 300+ passenger capacity

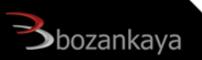
Şanlıurfa Trolleybus

12 Units, 18 meters in length ,100% Low Floor Battery Trolleybus,









Ongoing Projects in the International Market



Romania lasi Tram



- 16 Sets
- 30 meters in length
- Narrow gauge 1000 mm; 2,4m width
- 100% low-floor
- 18 months delivery period
- Delivery in progress

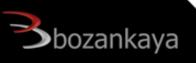
Romania Timisoara Battery Tram







- 16 + (5 + 2) + 17 Sets
- From the order option of 24 sets, 7 more sets were converted into orders.
- 100% low-floor battery-powered tram
- 30 meters in length
- Normal gauge 1435 mm; 2,4 m width
- 48 months delivery period
- Delivery in progress





Siemens Amtrak Coach Train Body

250 x 25m Coach Train

Siemens Via Rail Coach Train Body

100 x 25m coach train

Siemens Brightline Coach Train Body

20 x 25m Coach Train

Siemens Sydney Metro Carbodies

• 36 Metro Carbodies



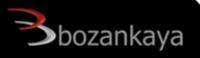
Alstom Marseille Metro – Under Frame

Underframe production for 152 metro vehicles

Alstom Cologne Tram

 Underframe production of 64 Tram cars of 30 meters length





Ongoing R&D Projects



Integration of E-Buses & Trolleybuses with existing Public Transport Systems



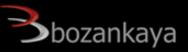
Packs for Sustainable Urban Electromobility
Services



Autonomous Public Transportation Vehicle



New Generation Charger for E-Bus



Awards & Accreditations

☐ Automotive Industry Exporters' Association (OİB)

"2023 Export Champions Awards" Silver Award

☐ European Railway Clusters Initiative (ERCI) Award 2021

"The Most Innovative Company in Europe"

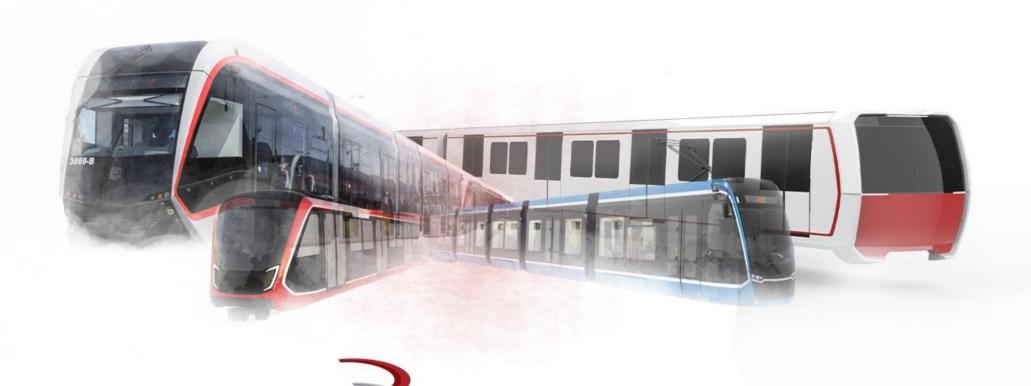
- ☐ Romanian Smart City Association,
 Romanian Chamber of Commerce
 "Best Technology for Public Transport"
- ☐ Fast Company Turkey

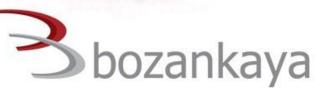
 "3rd place among the Most Innovative

 50 Turkish Companies of 2021 2022"
- ☐ Frost & Sullivan Awards 2015

 "Company of the Year in Europe for Innovation"







THANK YOU...

