



Driving Innovation in Mobility

POWER UNITS. SENSORS. CONTROLLERS

www.saykal.com



Company
Overview

since
2010

products
40+

production
2M+



Company
Standards

IATF16949 ISO 26262 AUTOSAR A-SPICE
ISO 14001 ISO 45001

Executive Management



Yücel Saykal
Founder & CEO



Ahmet Bilal Kalkan
COO



Anıl Sırma
CTO



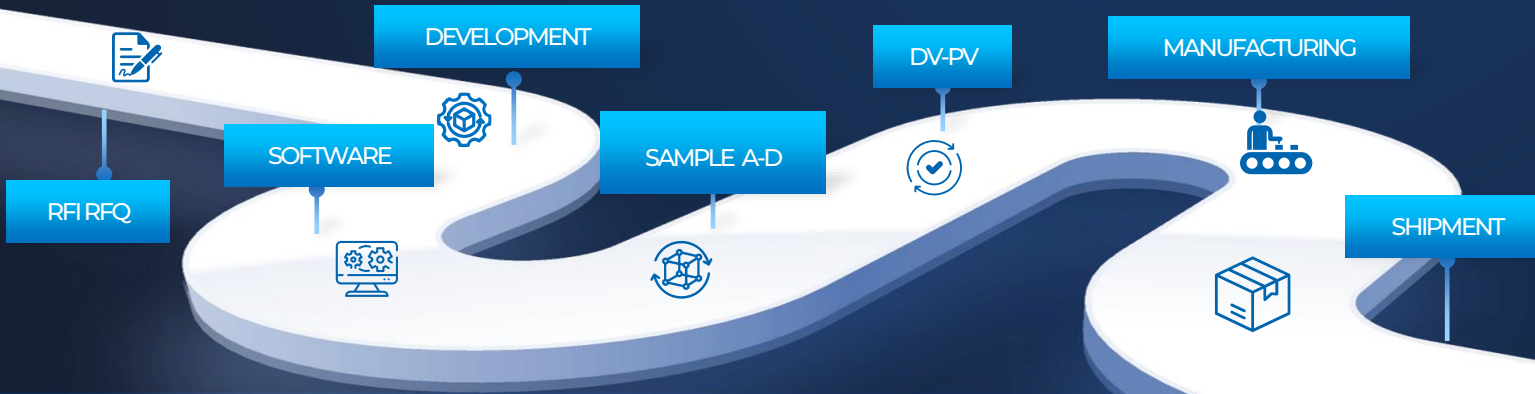
Serhan Tuncel
CMO



Team Total 100 +

Full System Supplier

Experience
Professional
Agile

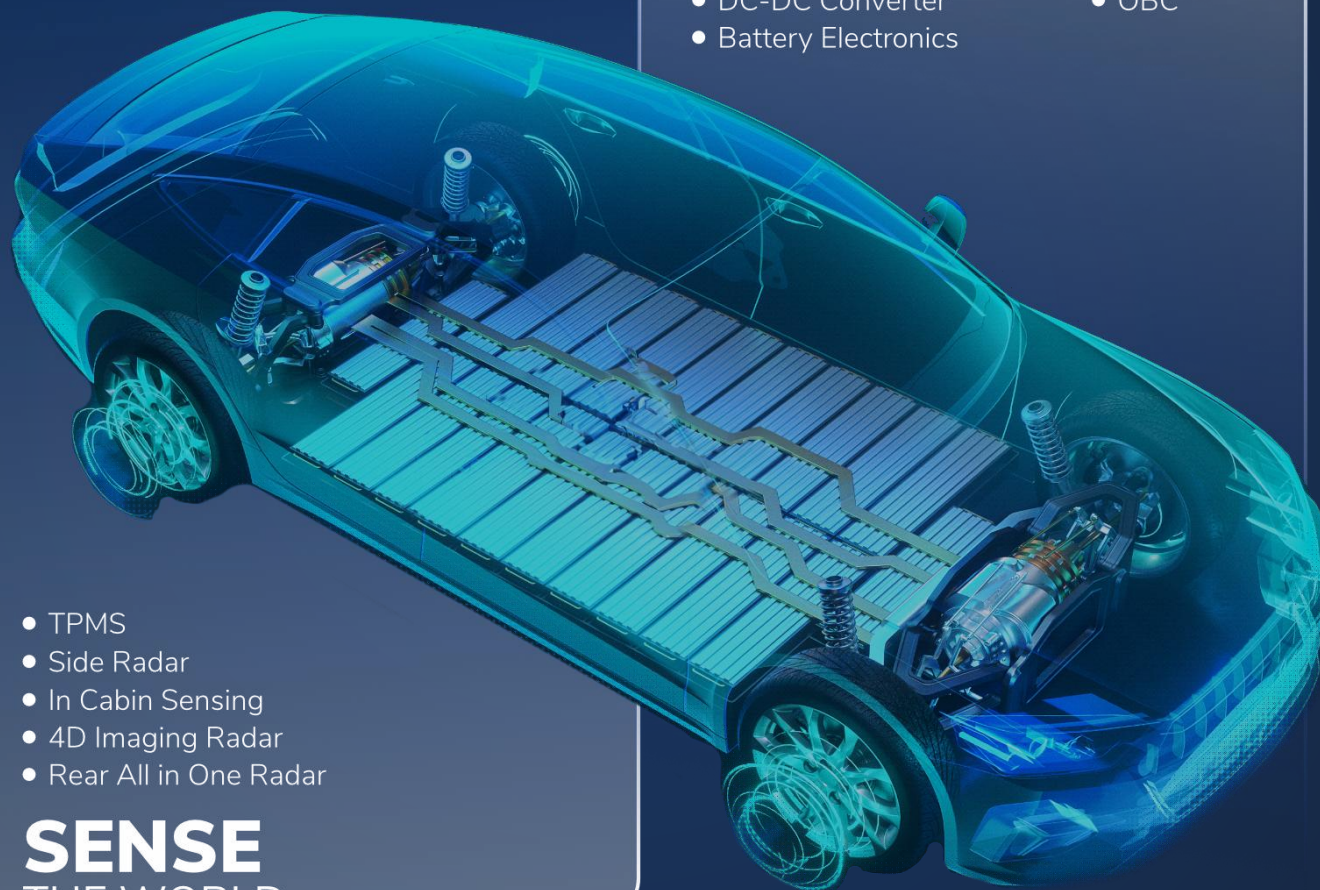


SOLUTIONS

POWER

BEHIND ELECTRIFICATION

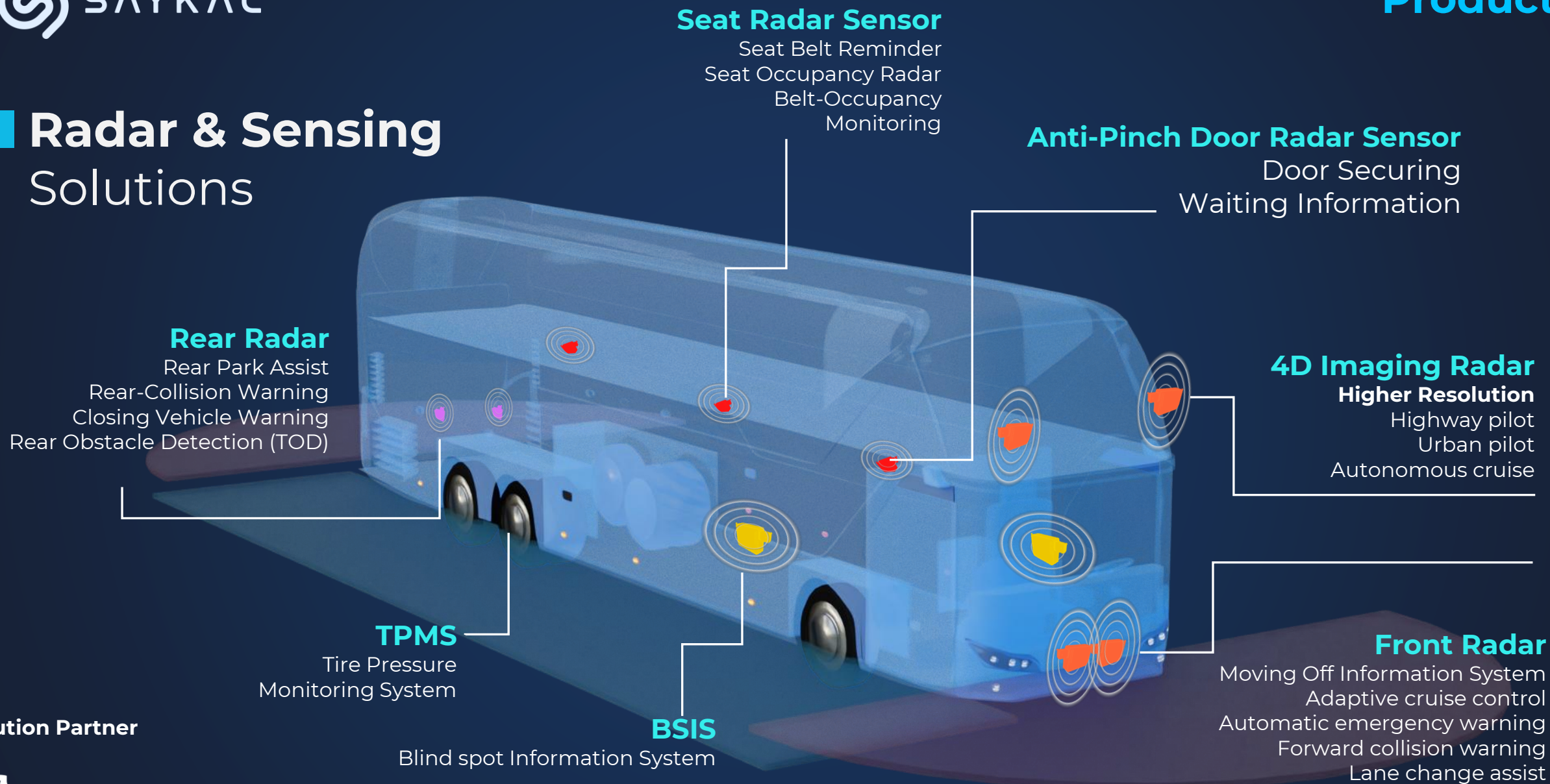
- USB-Wireless Charger
- DC-DC Converter
- Battery Electronics
- Inverter
- OBC



- TPMS
- Side Radar
- In Cabin Sensing
- 4D Imaging Radar
- Rear All in One Radar

SENSE
THE WORLD

Radar & Sensing Solutions



Solution Partner

Radar Solutions

All In One & Others

10+ Patents

All in One Radar -Front

Moving Off Information System
Front Collision Warning (FCW)
Front Parking Assist Sensor

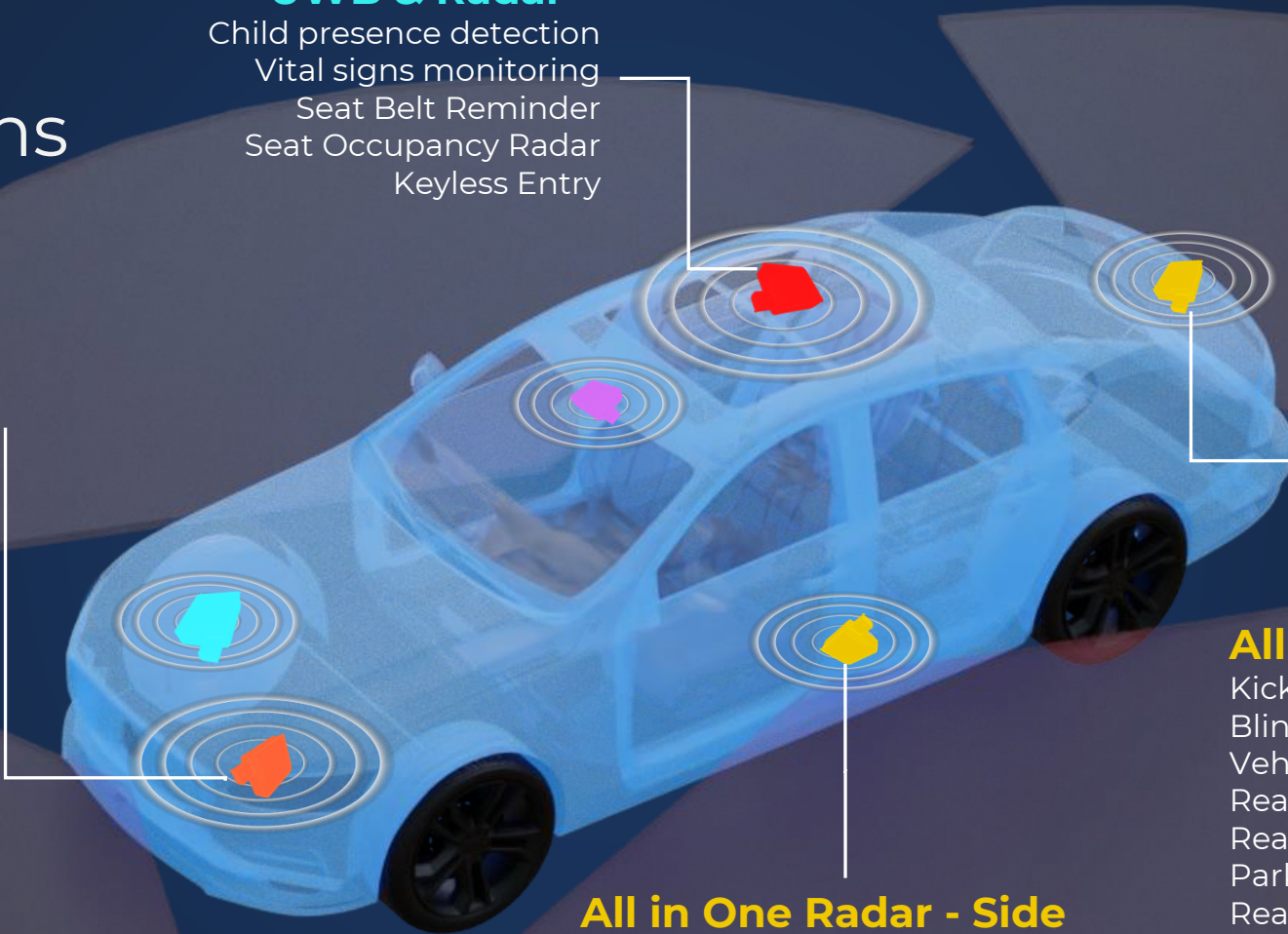
4D Imaging Radar

Higher Resolution

ASIL-D Distributed Radar
Highway pilot
Urban pilot
Autonomous cruise

In-Cabin Sensing UWB & Radar +

Child presence detection
Vital signs monitoring
Seat Belt Reminder
Seat Occupancy Radar
Keyless Entry



All in One Radar - Rear

Kick Activated Tailgate
Blind Spot Monitoring (BSM) / Closing
Vehicle Warning (CVW)
Rear Pre-Collision Warning (RPCW)
Rear Cross Traffic Alert (RCTA)
Parking Assist Radar Sensor (ECER158)
Rear Pre-Collision Assist with
Automatic Emergency Braking
Tailgate Obstacle Detection (TOD)

All in One Radar - Side

Door Obstacle Detection.
Door Handle - Gesture
Recognition (Keyless Entry)

Solution Partner

Radar Solutions

3D Safety Radar

3D Safety Radar

- Kick Activated Tailgate
- Blind Spot Monitoring (BSM) / Closing Vehicle Warning (CVW)
- Rear Pre-Collision Warning (RPCW)
- Rear Cross Traffic Alert (RCTA)
- Parking Assist Radar Sensor (ECER158)
- Rear Pre-Collision Assist with Automatic Emergency Braking
- Tailgate Obstacle Detection (TOD)

Seat Radar Sensor

- Seat Belt Reminder
- Seat Occupancy Radar
- Belt-Occupancy Monitoring

Display

All in One Radar - Side

- Door Obstacle Detection.
- Door Handle - Gesture Recognition (Keyless Entry)

Solution Partner

Radar & Sensing Solutions

Rear Radar

Rear Park Assist
Rear-Collision Warning
Closing Vehicle Warning
Rear Obstacle Detection (TOD)

TPMS

Tire Pressure
Monitoring System

Seat Radar Sensor

Seat Belt Reminder
Seat Occupancy Radar
Belt-Occupancy
Monitoring

BSIS

Blind spot Information System

4D Imaging Radar

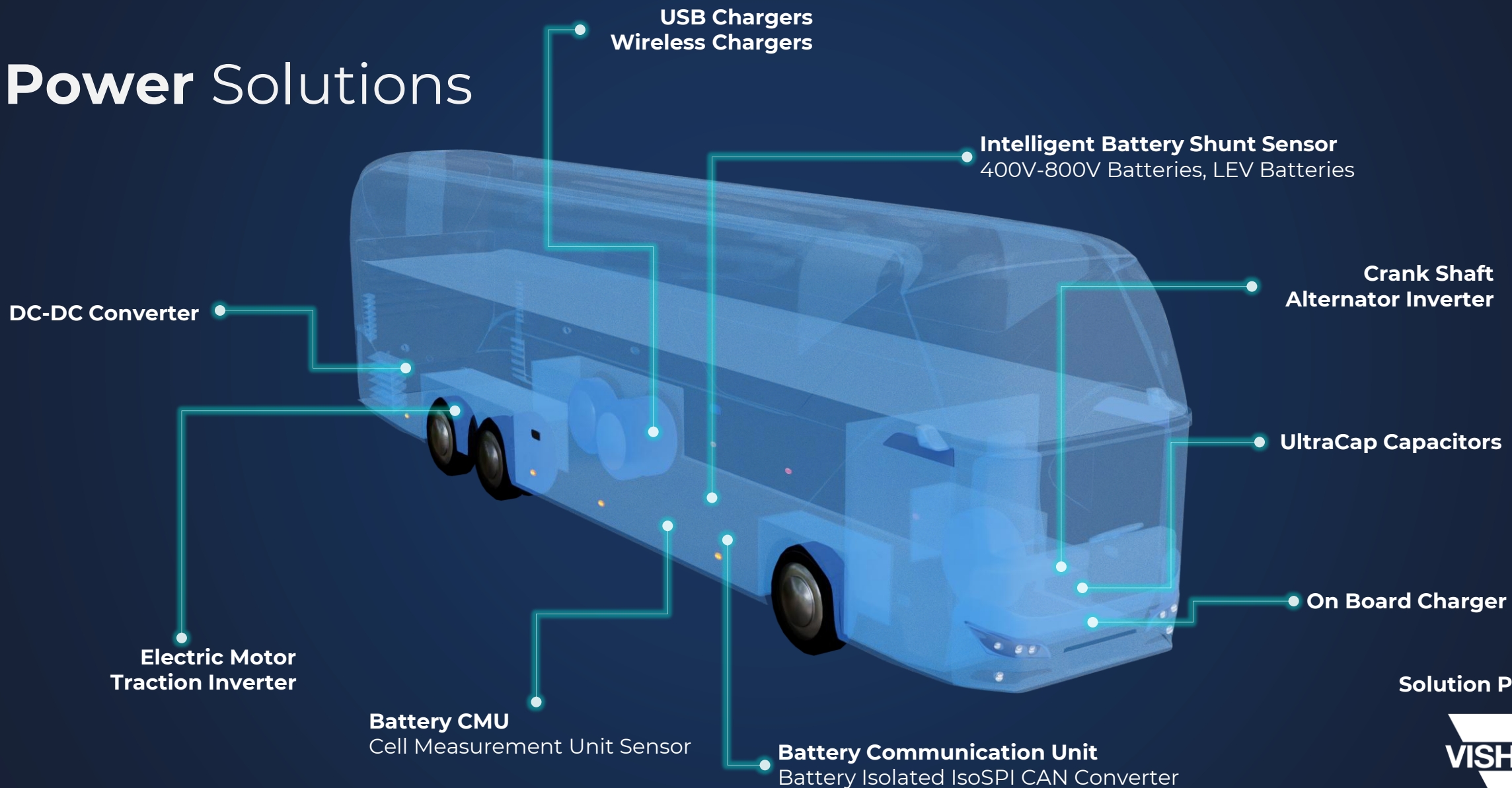
Higher Resolution
Highway pilot
Urban pilot
Autonomous cruise

Front Radar

Moving Off Information System
Adaptive cruise control
Automatic emergency warning
Forward collision warning
Lane change assist

Solution Partner

Power Solutions

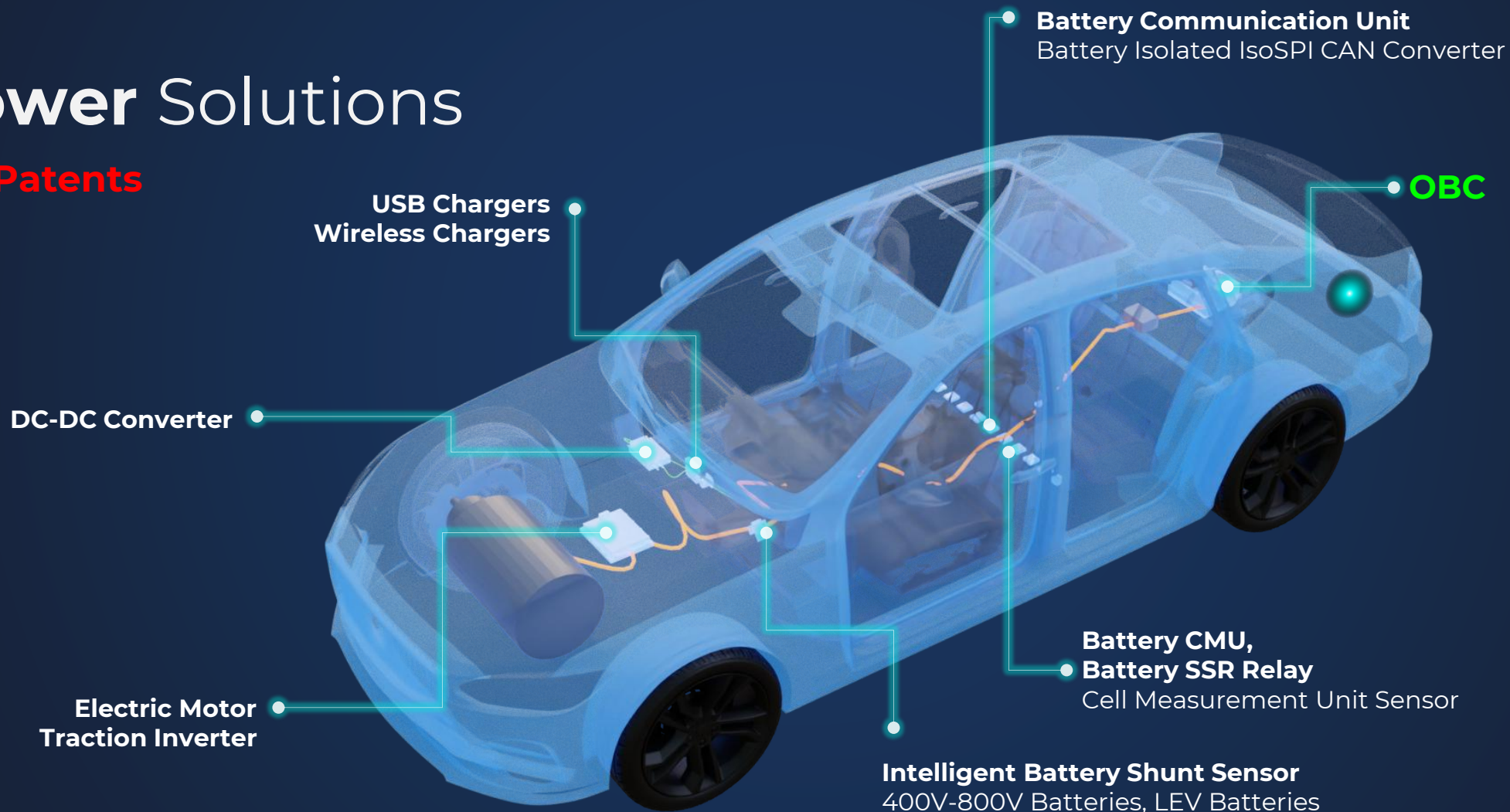


Solution Partner



Power Solutions

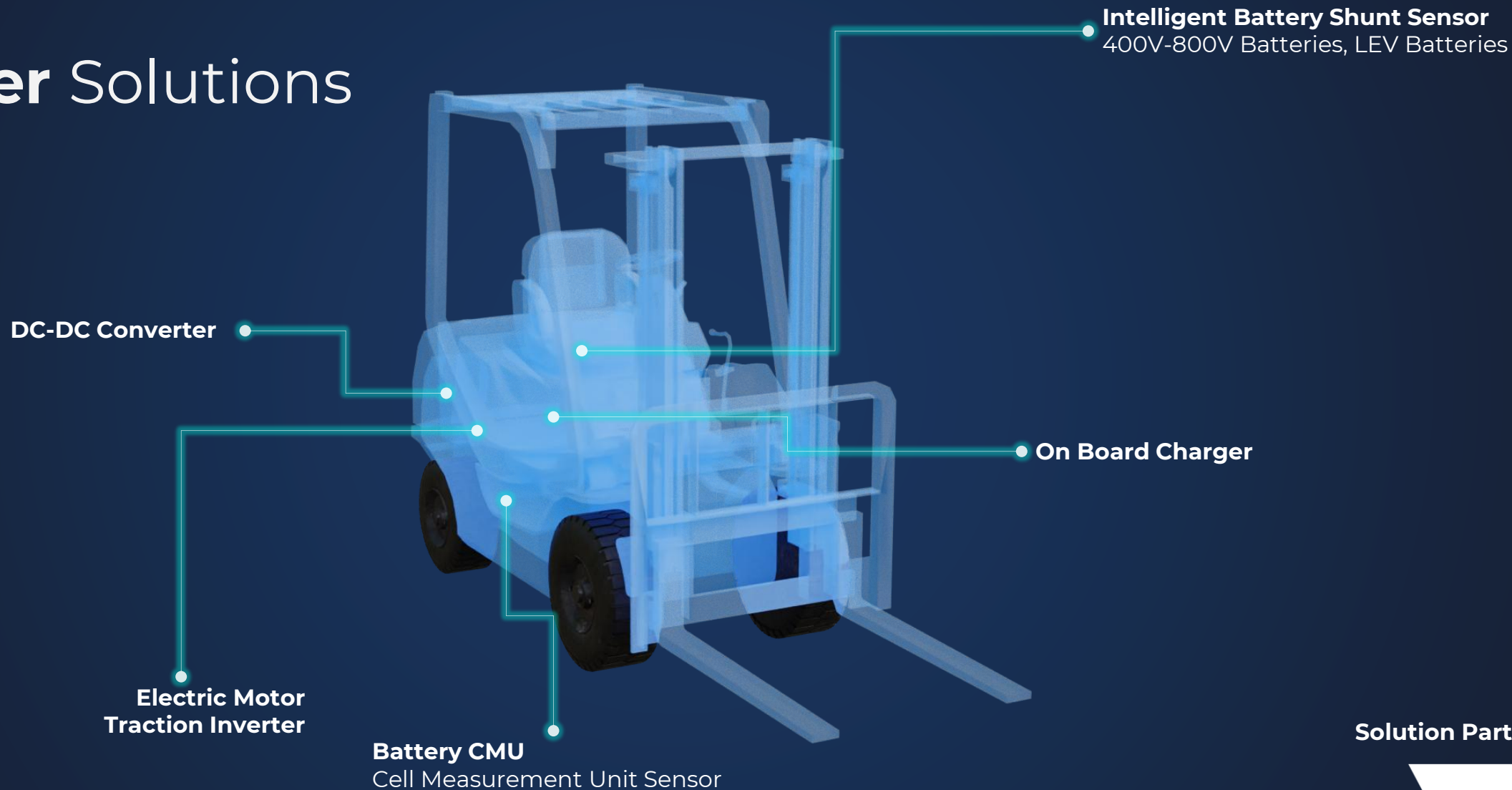
10+ Patents



Solution Partner



Power Solutions



Solution Partner



Power Solutions

Intelligent Battery Shunt Sensor
400V-800V Batteries, LEV Batteries

USB Chargers
Wireless Chargers

Crank Shaft
Alternator Inverter

UltraCap Capacitors

DC-DC Converter

On Board Charger

Battery CMU
Cell Measurement Unit Sensor

Battery Communication Unit
Battery Isolated IsoSPI CAN Converter

Electric Motor
Traction Inverter

Solution Partner



Seat Solutions

The Seat Electronic Control Unit by Saykal Electronics efficiently manages seat functions like heating, ventilation, lumbar support, and seat belt, seat occupancy detection, motor driver, ensuring a comfortable experience for every passenger.



Radar Solution

MOIS, RDS, and BSIS systems provide environmental perception and maneuvering support functions for vehicles. MOIS is designed to meet the requirements of the Moving Off Information System as defined under ECE R159; RDS meets the requirements of the Reversing Detection System as defined under ECE R158; and BSIS meets the requirements of the Blind Spot Information System as defined under ECE R151. The systems detect obstacles and living beings within the sensing area, generate position, distance, and motion information, and transmit this data to vehicle systems via the CAN bus together with warning information.

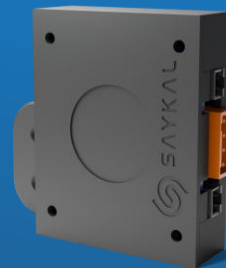
Mass Production



Seat Occupancy Radar Solution

We deliver innovative seat solutions designed to elevate in-vehicle comfort, safety, and intelligent control. Our integrated and scalable product portfolio spans radar-based seat occupancy and child presence detection systems, smart seat control units, intuitive user interfaces, seatbelt and passenger monitoring systems.

Mass Production



Intelligent Battery Shunt Sensor (HV-IBSS)

An advanced current sensing solution designed to monitor and manage battery performance in high-voltage systems. It provides real-time, highly accurate measurements of current flow, enabling precise battery management and optimizing energy efficiency.

Mass Production



Tire Pressure Monitoring System

TPMS is a reliable and high-performance tire pressure monitoring system designed to support safer driving and more efficient fleet operations. With smart functions such as AutoLocation, Tire Fill Assist, and Burst Warning, it helps drivers and operators react faster, reduce risks, and prevent unexpected tire failures. Built for demanding automotive environments, Saykal TPMS delivers dependable, real-time monitoring you can trust on every journey.

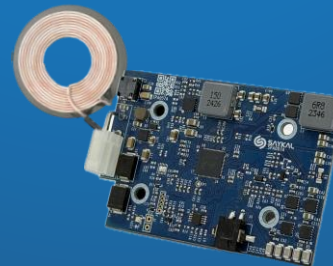
Mass Production



Wireless Charger

A compact and reliable Qi v1.3.2 certified module, the SAYKAL Wireless Charger enables up to 15W fast charging through a high-efficiency wireless interface powered by 12-24V DC input. Its LED status indication provides instant visual feedback, while advanced protection features guard against over-current, over temperature, and foreign objects. Designed for vehicle interiors and e-mobility platforms, it ensures safe, convenient, and cable-free power delivery in motion.

Mass Production



Type-C 65W USB Charger

A USB Type-C PD Charger is an automotive-grade, high-performance charging unit that provides universal fast charging for laptops, tablets, and mobile devices. It ensures stable and noise-free operation even in demanding environments. With LED charging indication and comprehensive protection against reverse polarity, over-voltage, over-current, and thermal faults, it delivers safe and reliable charging on the road.

Mass Production



The Production Capacity

2026

2M
units

Within a
Five-year plan

6M
units

Manufacturing Site

3000 m²

R&D and Offices

1200 m²

Future Extension Area
for Production

4200 m²



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