

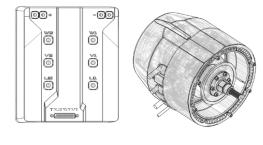
TrueDrive Driving E-Mobility Forward

IRP INTRODUCTION

IRP's Vision and Mission



IRP's innovative Electric Powertrain makes electric vehicles POWERFUL and AFFORDABLE



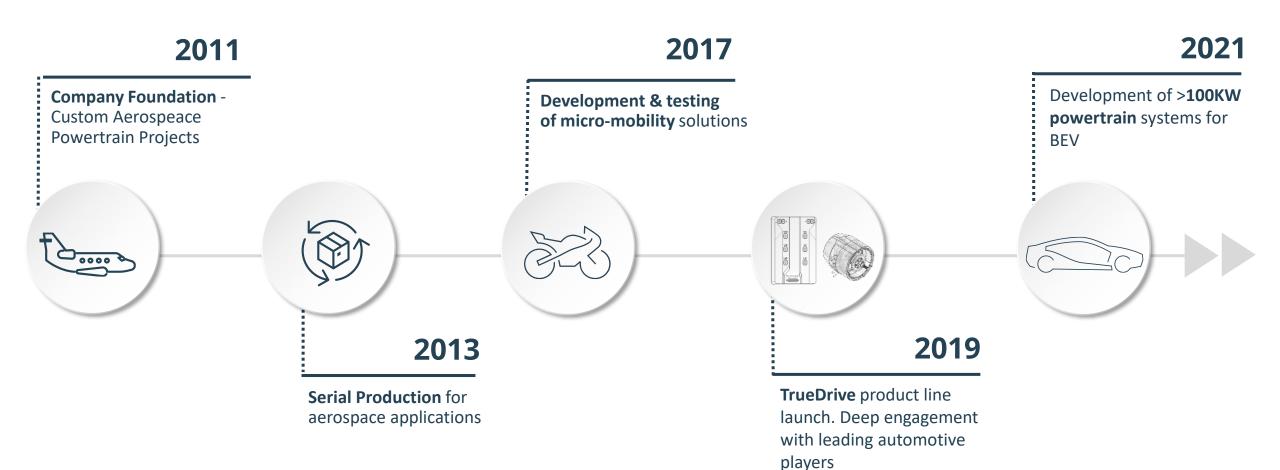
То

Accelerate The EV Revolution & Reduce The CO2 Footprint



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Company Background – From Aerospace to E-Mobility



ΓP

Leadership Team





Moran Price Founder & CEO



Paul Price Founder & CTO in



Prof. Sam Ben-Yaakov Chief Innovation Officer





Amit Grauer VP Business Development



Dan Shoshani VP Product & Marketing



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Shadie Bisharat VP Sales

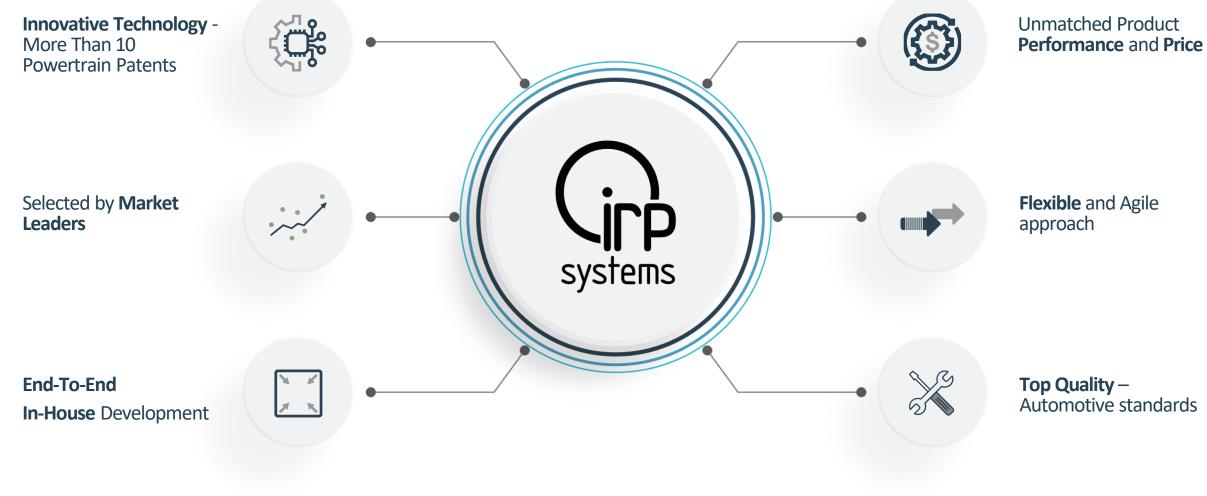


Ilya Vatsel VP Operations in

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IRP's Unique DNA



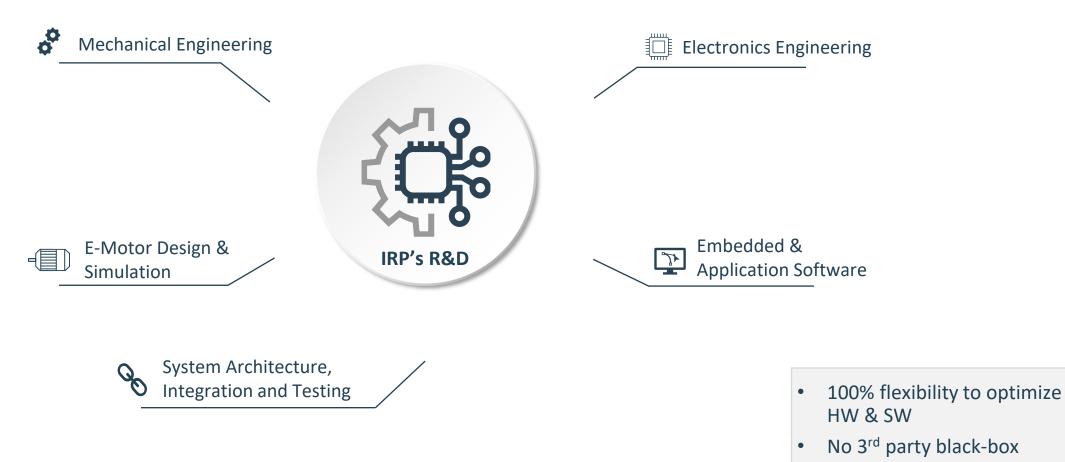


Home In

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Vast In-House R&D Capabilities

IRP's R&D team includes a wide range of engineering expertise. The team is working together to develop **high quality, tightly integrated end-to-end** powertrain solutions

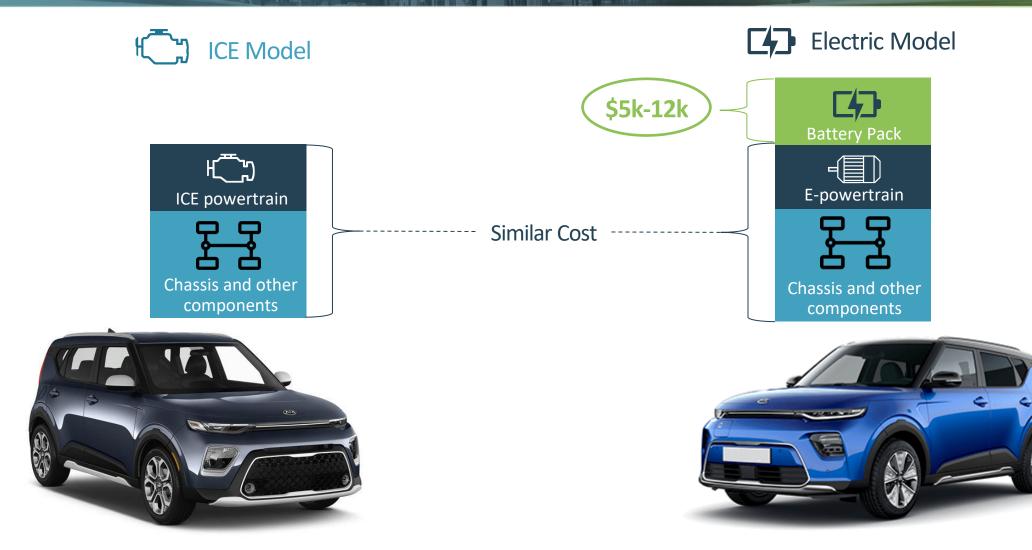


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• R&D: >60% of the employees

The Market's Challenge - Cost

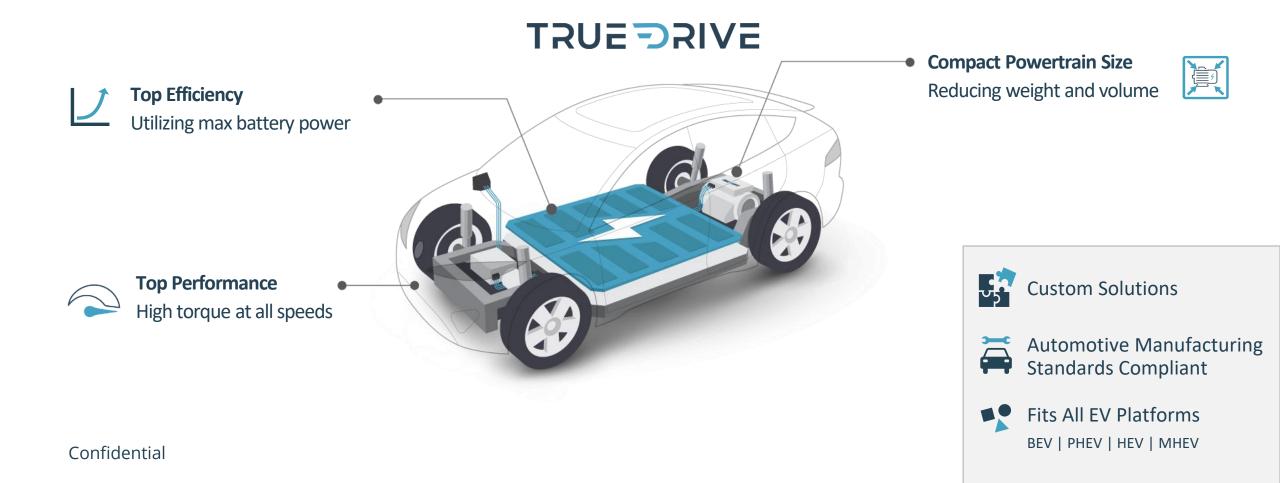




TrueDrive - Superior Performance at Affordable Cost



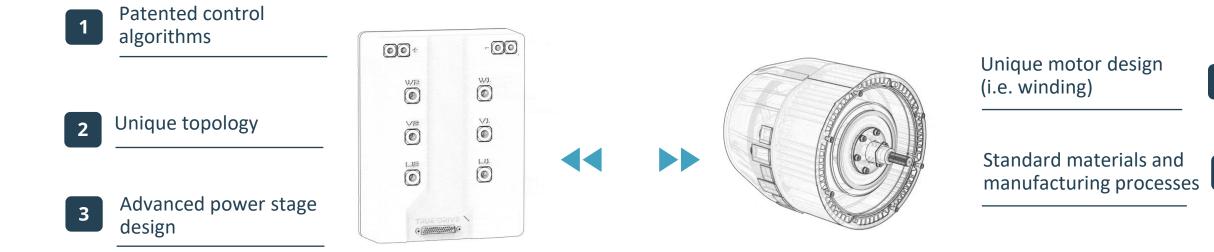
High-performance, **hyper-efficient** motors and inverters for EVs, overcoming the barrier for EV adoption with **lower costs**



Our Unique Patented e-Powertrain Technology

TrueDrive Controller

TrueDrive Motor





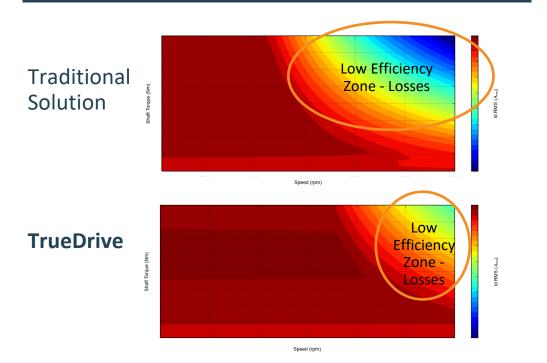
Tightly integrated and optimized end-to-end system

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What Is The Effect of TrueDrive Design?

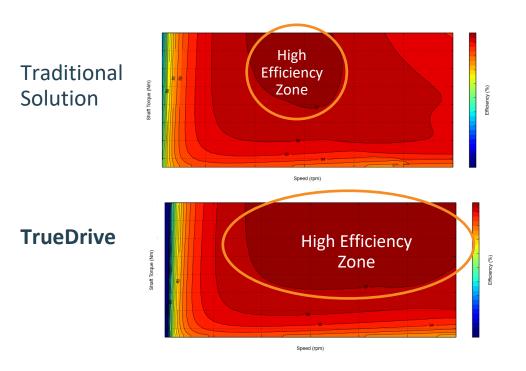


High torque and efficiency at high speeds. Minimal / no use of field weakening



Wider High Efficiency operational envelope

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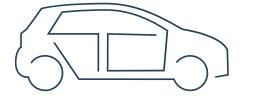


Covering A Wide Range of Vehicle Platforms



Full EV & HEV: Custom Solutions | LV & HV | Up To 150kW







Personal Mobility: Off-The-Shelf Products | LV | Up To 30kW









TrueDrive Off-The-Shelf Product Families



IRP Controller working with any personal mobility motor 1-6kW



Flexible / customizable



Cost effective



Driving Experience





End-to-End Controller & Motor utilizing IRP's unique technology 8-15kW

- Unmatched performance
 - J Super efficient. Air cooled motor
- ■■ Compact & low weight



TrueDrive Success Stories – Renault Twizy

Collaboration With Renault-Nissan-Mitsubishi Innovation Lab

• Integrated IRP's motor and controller



Increased driving range significantly



Increased Torque



Significantly reduced size and weight





IRP Motor ***14KG**



Peak Efficiency – **95%** | Output – **15kW** Torque – **83Nm** | Max Speed – **8000 RPM** | Voltage – **48V**

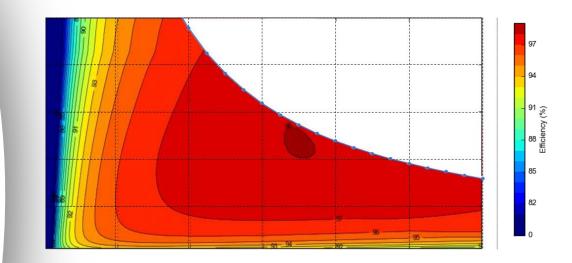




RENAULT NISSAN MITSUBISHI

Pushing The Boundaries – TrueDrive EV Success Story





Peak Efficiency – 97% | Output – 100kW Torque – 245Nm | Max Speed – 12000 RPM Voltage – 400V

Developed E-motor and inverter for Leading European BEV OEM



Increased **performance** and **efficiency** – **97%**



Reduced size and weight by 15%



Minimal Rotor Losses at high speeds Minimal use of field weakening



Pushing The Boundaries- TrueDrive 150kW Powertrain

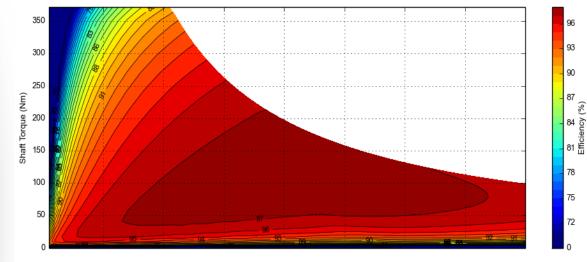
E-motor for High-Performance Platforms

Super HIGH TORQUE, POWER and EFFICIENCY

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Super **light** and **compact** motor size





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Speed (rpm)

Peak Efficiency - 97% | Output – 165kW Torque – 360Nm | Max Speed – 16000 RPM Weight – 38KG | Dimensions - Ø300x180mm

TRUE DRIVE 15

Our revolutionary technology empowers e-mobility leaders

Systems Driving E-Mobility Forward



THANK YOU

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