

# COMPANY **PROFILE**

Helping to drive our belief of possibilities to product

### **ABOUT US:**



"RaceEL Technologies based in Bangalore, INDIA was founded in 2023. We offer unique solutions including Embedded Hardware Design, Wireless Technology, Signal Integrity, Power Integrity, Antenna Design, Thermal Analysis, EMI/EMC Analysis, RF & Microwave. We work with customers to design, develop technology solutions that are optimum, innovative, and profitable".



# OUR

Our Vision is Sustained Excellence in **Product Engineering** and Technology Integration for Customer Success "



# **OUR MISSION**

Our Mission is to be the most reliable and innovative global company that delights customers through our world class products and services.

## **OUR SERVICES**



Hardware design engineering



**EMI/EMC Analysis** 



Thermal Analysis



**ESD Analysis** 



Power Inetgrity Analysis



Signal Integrity Analysis



Wireless/Antenna Analysis



Mechanical Engineering



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## WHY CHOOSE US?

As a dynamic technology partner, we deliver differentiated solutions through seamless execution. We consistently exceed client and employee expectations leading to long-term relationships. The RaceEL team is loaded with highly skilled engineers and professional with vast industrial experience across various application domains and engineering horizontals.

### **CONTACT US**

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# **OUR SERVICES**





### **ANALYSIS**

Minimizing electromagnetic interference with simulation delivers high-performance, compliant and safe electronics microchip level



energy will affect the efficiency, reliability and safety of your products.



Power Integrity or Powe Distribution Network critical given the complexities in low voltage, high current, high performance, compute-



### **ESD ANALYSIS**

**Electrostatic** discharge (ESD) level determination for accurate and reliable qualification of semiconductor devices.



## **ENGINEERING**

With the intention of providing complete mechanical engineering solutions, RaceEL Systems has expanded its Services. Since then, we have developed into a mechanical provider.



### WIRELESS/ **ANTENNA**

**ANALYSIS** The antenna often is one of the key reasons for the failure of an RF or wireless design. RF Antenna design is a complex process requiring high-end simulation tools and experienced RF antenna designers.



Advancements in high-rformance microprocesso and access to high-speed internet is driving the need performance systems that offers reliable data signal integrity

### PCB/Package Simulations

- Signal integrity analysis
- Power integrity analysis
- EMI/EMC Analysis - Thermal analysis

- Hardware Circuit design - High-speed digital design Mixed Signal design - RF Design

- RF Antenna designs ver supply design

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PCB/Package design **Power Electronics 5G/Wireless** 

**Product** design

**Product** Engineering

**Embedded** 

Hardware

design

**FPGA** Design

**Compliance Testing** 

- DDR3/DDR4/DDR5 - PCleGen3/Gen4/Gen5 - USB3.0/3.2/4.0

RaceEL Academy

Trainings at

**Product Engineering** 

- Digital Design, RF Design,
- Analog Design, - PCB Design

**PCB** Design and Analysis

**Embedded** Software development

### **Protocols**

- DDR3/DDR4/DDR5
- PCleGen3/Gen4/Gen5
  - USB3.0/3.2/4.0 - SPI, I2C, UART -
  - SATA3.0



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