YEA

ENGINEERING

Engineerning Services

from Design to Manufacturing

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AUTOMOTIVE TEST

Advanced Driver Assistant System (ADAS) andAutonomous Vehicles is what is driving the automotive industry. We provide the following services:
- Automotive Radars, Lidars, and Cameras Test Solutions Design and Development
- Advanced Driver Assistance Systems (ADAS) Test Solutions
- Hardware-in-the-Loop (HIL) Test Simulation
- Anechoic Chambers Design and Development
- In-Vehicle Data Loggers
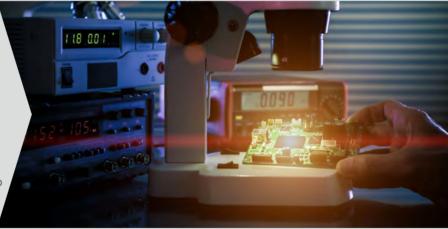
WIRELESS COMMUNICATION

5G is the next generation mobile standard. Internet of Things (IoT) and Autonomous Vehicles will become realities in the areas with 5G coverage. We provide the following services:
- Design and Development of Massive MIMO and mmWave systems according to 3GPP specifications
- Design and development of RF Transmitters and Receivers
- Development of FPGA-based communicatian algorithms, protocols, IPs

SEMICONDUCTOR TEST

Cutting edge industrial applications like Autonomous Vehicles and 5G wireless communication require cutting edge integrated circuits (ICs) from high power ICs to mmWave frequency ICs. n our portfolio we have products and solutions for:
- High-Power IC Test (up to 4000V and up to 400A)
- RF IC and RF MCU Test
- Digital IC Test (up to 200 MHz, up to 512 channels)
- Mixed Signal IC Test (up to 24 bits and 5 GHz sampling capabilities, up to 12.5 Gbs serial link)

RF SYSTEMS & DEVICES

We specialize in the design, development and testing of RF and Microwave systems like radars, communication and navigation systems.

We also design and develop the main components of an RF & Microwave system, both on the hardware level (transceivers, amplifiers, antennas,...), and on the software level (algorithms and protocols).

INDUSTRIAL IOT

Everything in the new world will be interconnected via the Internet in what is called the Internet of Things (IoT). We provide the following services:
 - We complement the IoT devices with transceiver & receiver capabilities that are small, smart and low cost
 - We provide different tools, technologies and services to make the management of the IIoT system efficient and productive

ELECTRONICS DESIGN & TEST

Most system designs need the development of adjacent and complementary electronics and mechanical parts to complete the system. Our staff of electronics and mechanical engineers provide design services for such complementary parts. We provide the following services:
 - Design of Electronics board and devices
 - Design of Test Solutions for Electronics devices

EDUCATION TECHNOLOGIES

The new cutting edge industrial applications call for serious additions to the existing academic curricula, education and research laboratories.

Throughout the years, we have been converting our technical knowledge and experience into education, research and training labs for universities and industry.

MANUFACTURING

At some point, what was researched and developed in the laboratory has to come to the manufacturing floor. We provide the following services:
 - «Design to Manufacture and Assembly» to make the designed products ready for manufacturing
 - Electronics Assembly and Test
 - Products Assembly and Test
 - Systems Assembly and Test
 - Machine Tooling and Prototyping

"YEA Engineering" was formed by a group of companies with different know-hows and expertise that came together to collaborate in providing engineering services in the converging technologies of advanced industrial applications.

We provide a full range of engineering services from design to manufacture of devices, systems, and automated test equipment for advanced industrial applications.

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