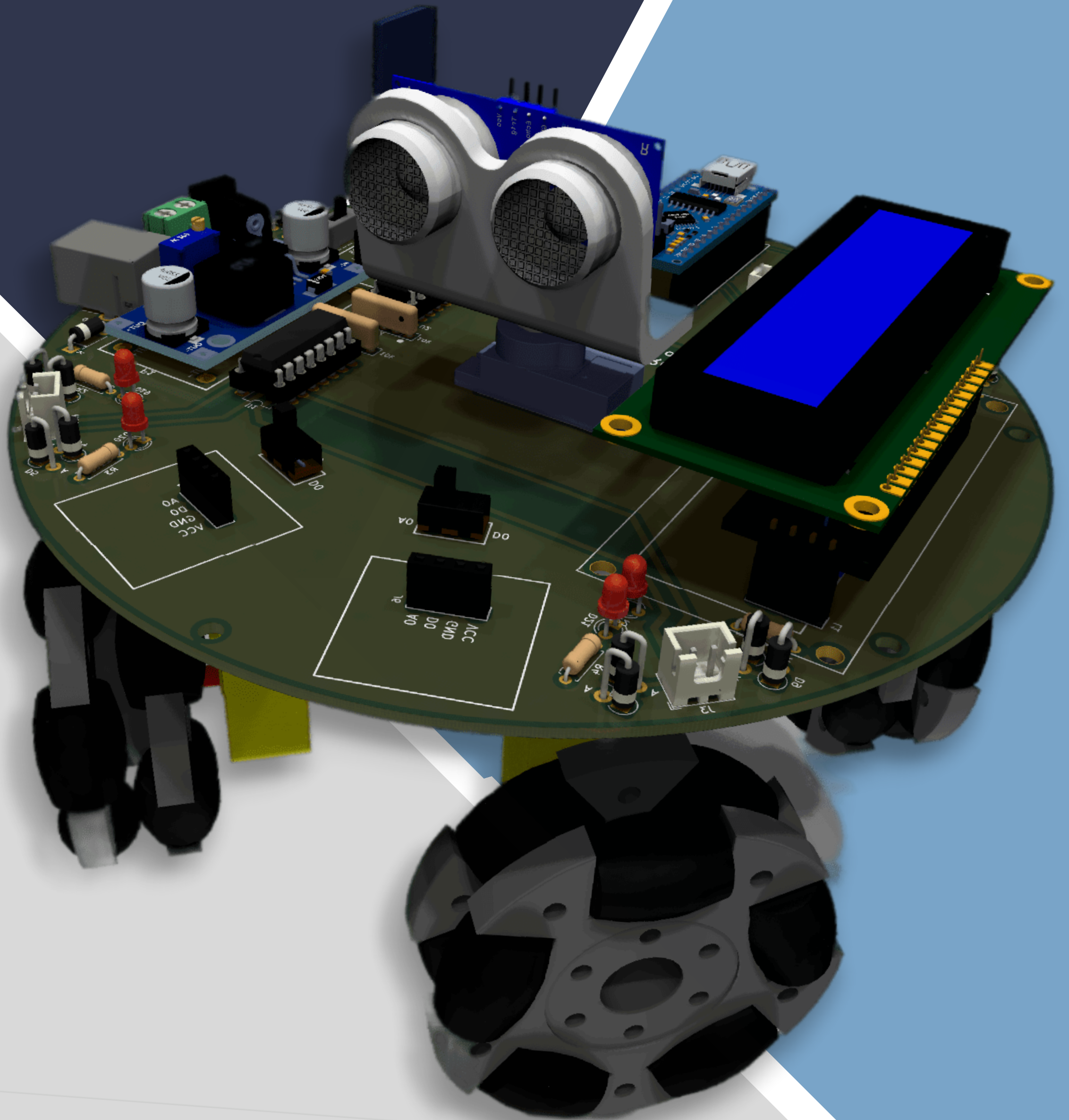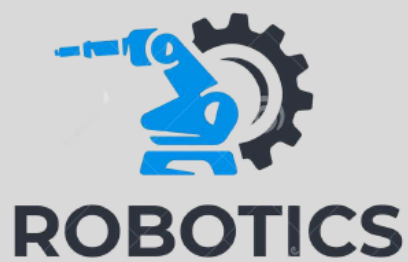# OMNI - DIRECTIONAL ROBOT
ARDUINO COMPATIBLE

- Easiest way to learn and develop Omni -Directional Robot
- Save time in circuit rig-ups
- Plug & Play digital & analog sensors

ARDUINO

EMBEDDED SYSTEMS

INTERNET OF THINGS

python

ROBOTICS

Getting started with Omni - Directional Robot

- Servo Controls with Ultrasonic Sensor for Radar Application
- Motor control through Bluetooth
- Analog and Digital Data readings

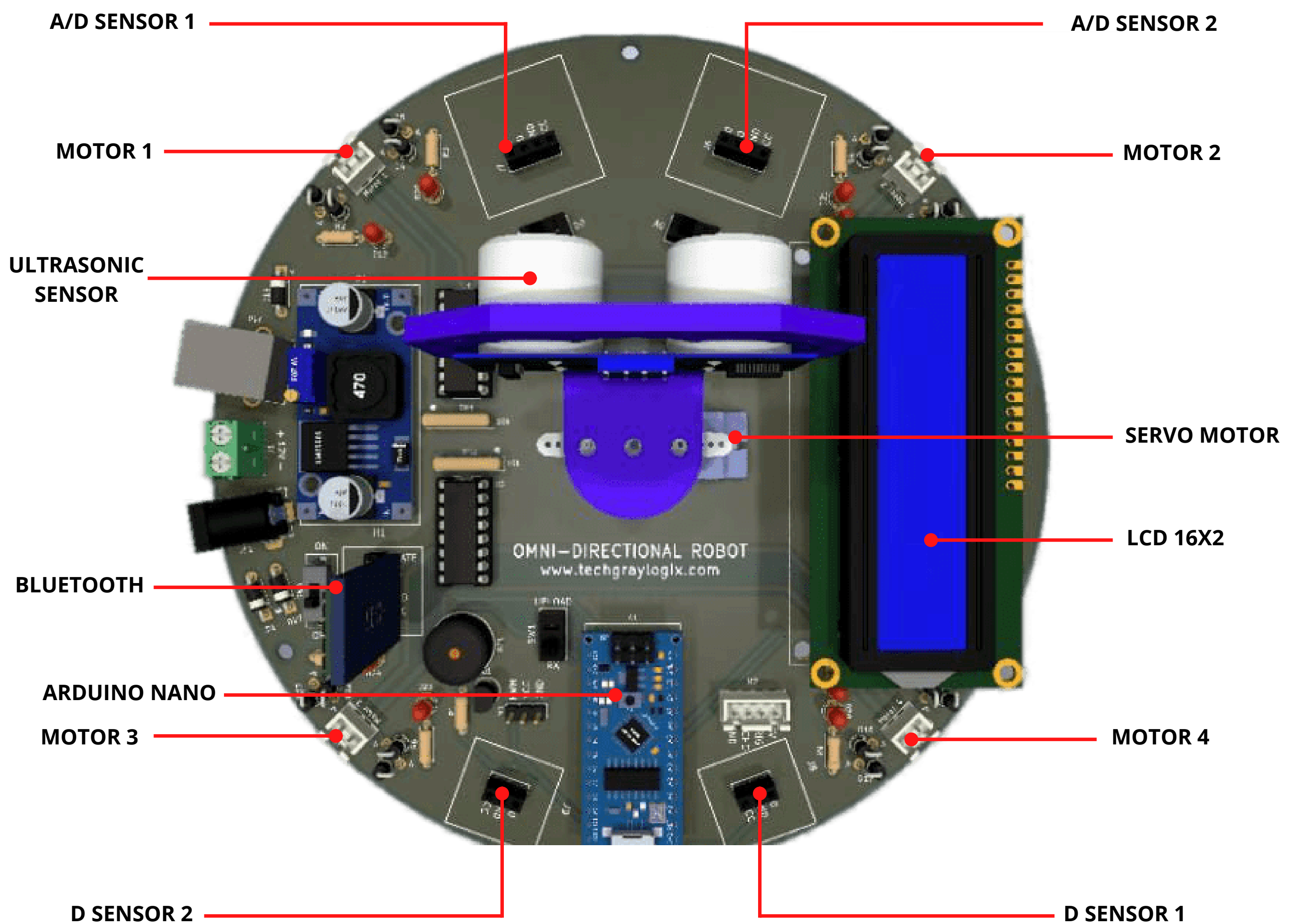# TECH-GRAYLOGIX
TECHNOLOGY SIMPLIFIED

The kit includes the necessary hardware, code and guide to build various Embedded applications.

KIT CONTENTS:

- Omni - Directional Robot Board
- Arduino Nano compatible with USB Cable
- Omniwheel x 4no's
- BO Motor x 4no's
- LCD 16x2
- On – Board Buzzer

- Analog/Digital Sensor
- Digital Sensor
- Ultrasonic Sensor
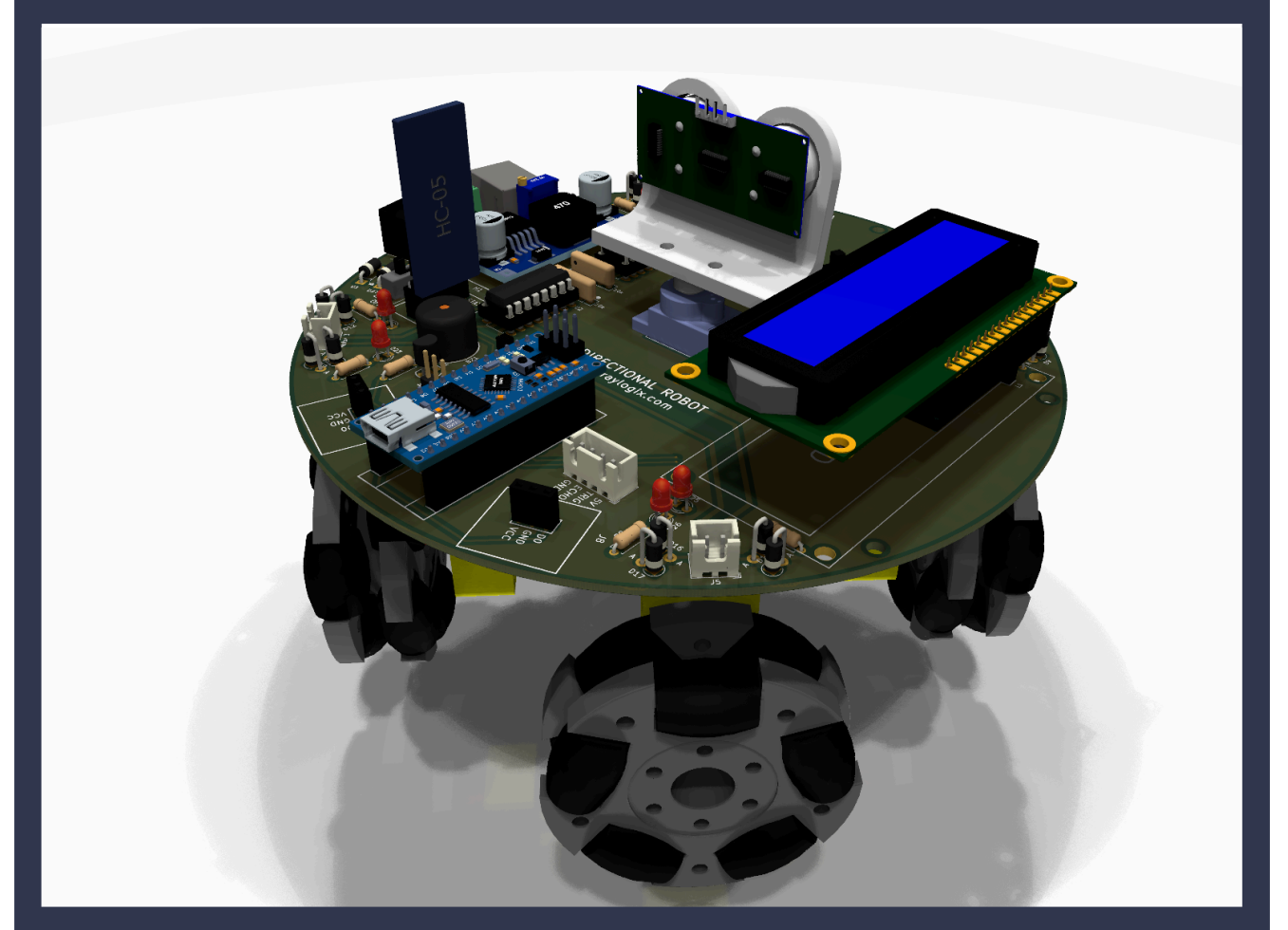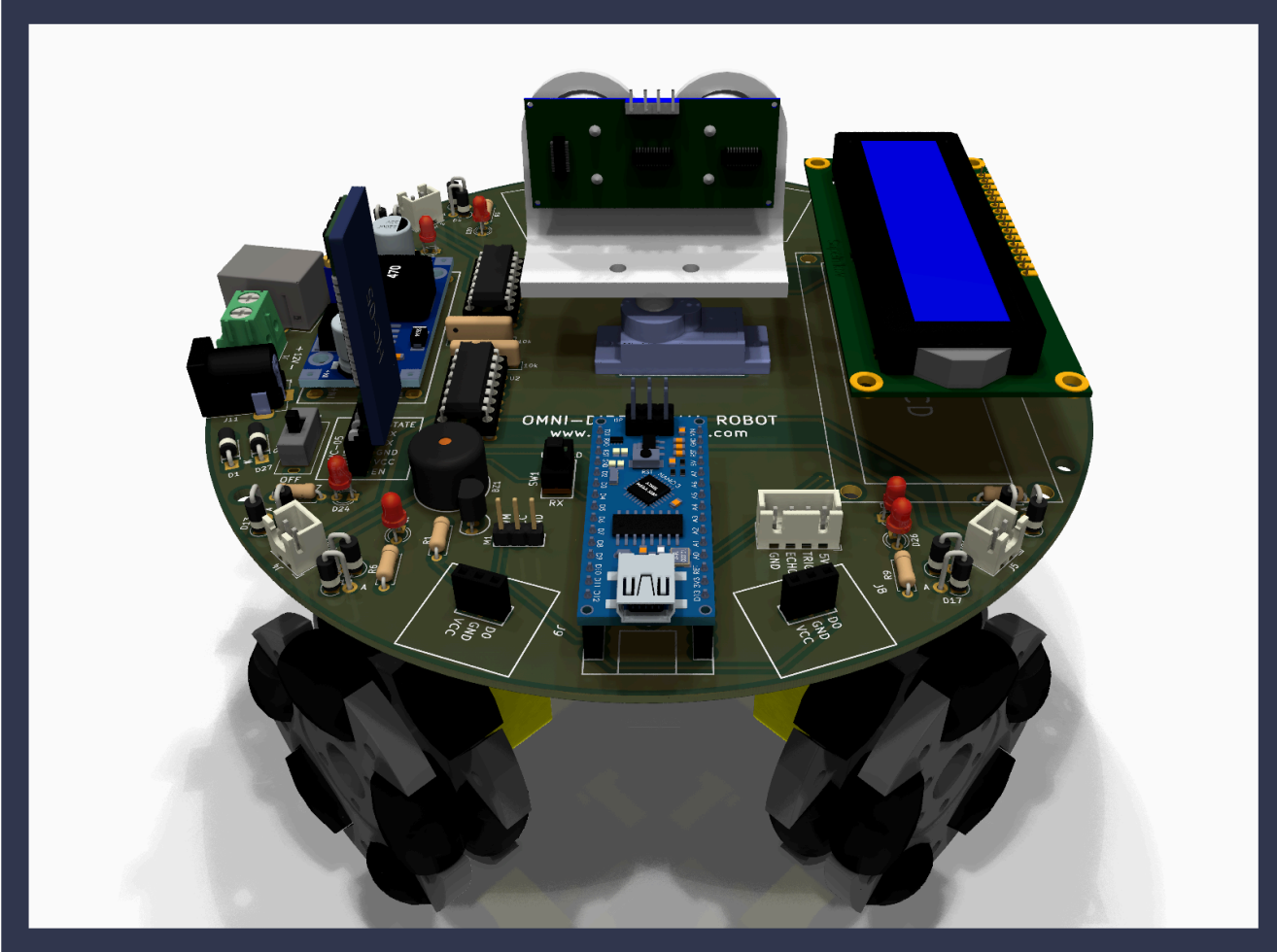- Servo Motor
- 12V DC Adapter

DESCRIPTION

An omnidirectional robot can move in any direction, forward/backward but also sideways left/right, and turn on the spot, thanks to its wheels, giving the robot omnidirectional capabilities for movement on the horizontal axis on a drivetrain, as well as forward and backward movement. In addition, omnidirectional robots need less workspace due to their space-saving technology. Omnidirectional robots are highly adaptable as well as being made for quick installation and removal.
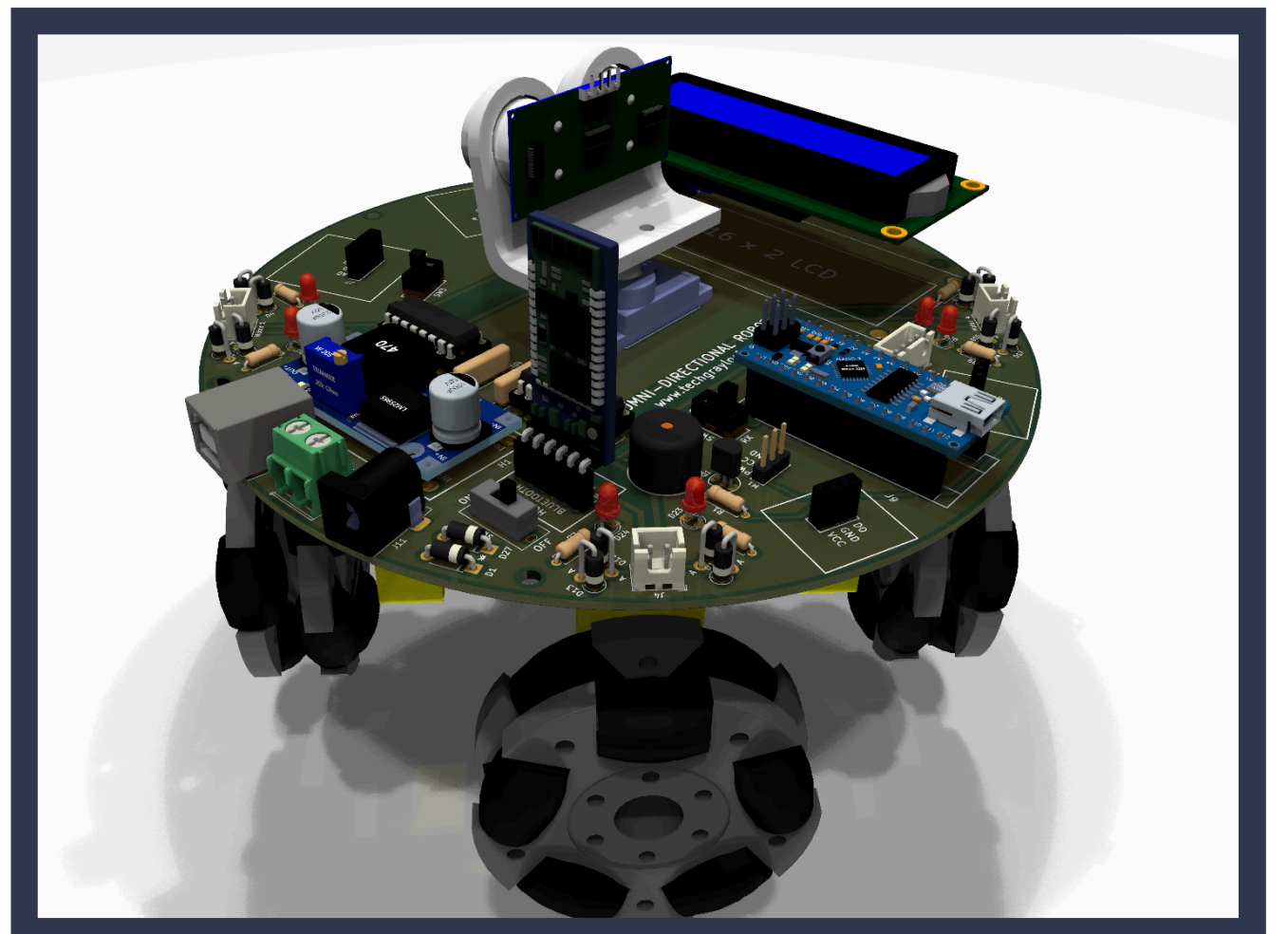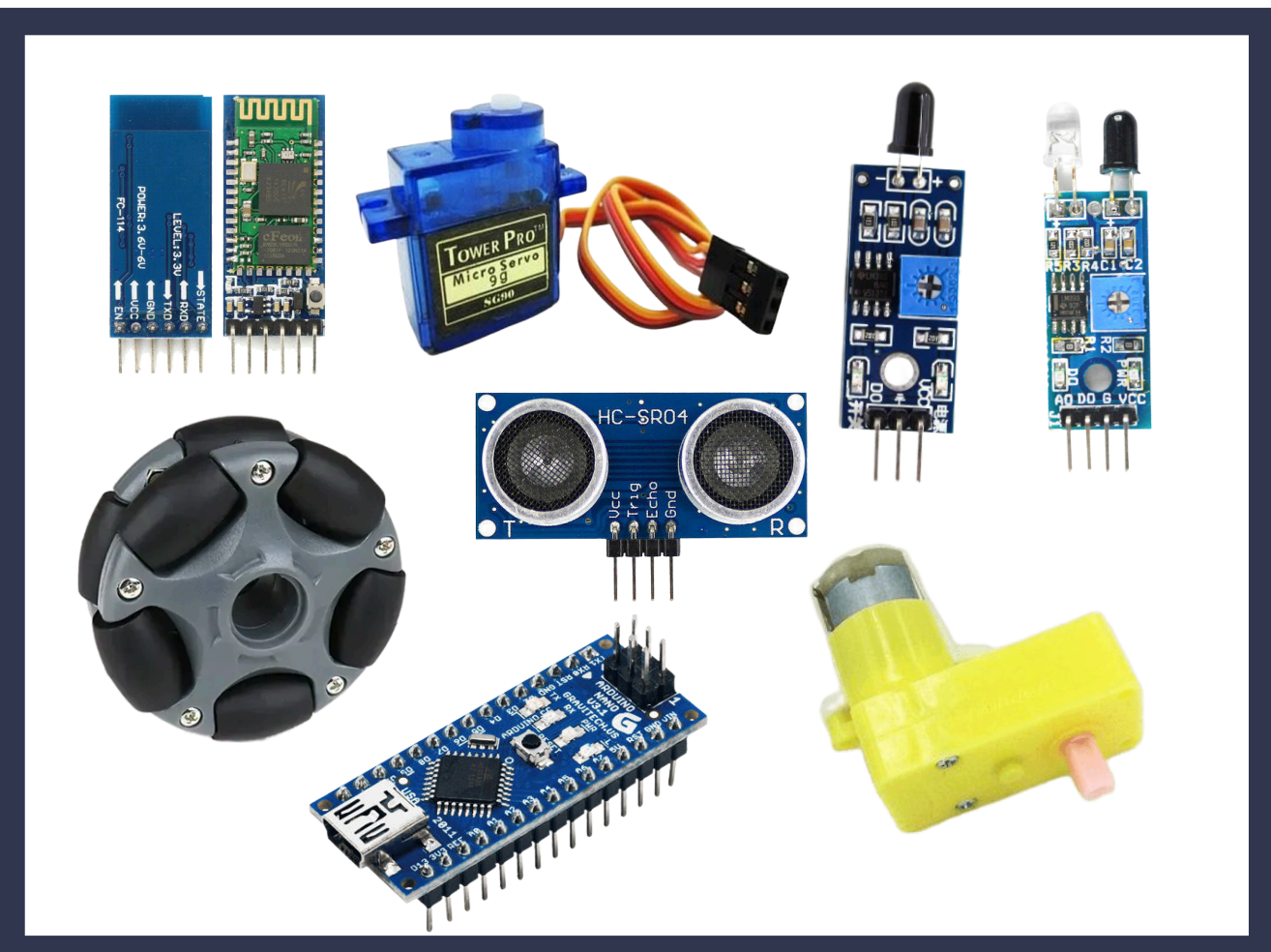
The kit can be programmed to readily demonstrate all the input and output devices connected to it and offers the easiest way to develop various projects on Omni - Directional Robots.

ARDUINO-SHIELD PLUG-IN AND USB CONNECTIVITY TO PC

The development board has been specifically designed to fit variety of sensors, output devices and wireless modules. The aim is to decrease the amount of time required for rigging up the circuit and to maximize learning on Omni - Directional Robots.

TECH-GRAYLOGIX
TECHNOLOGY SIMPLIFIED

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