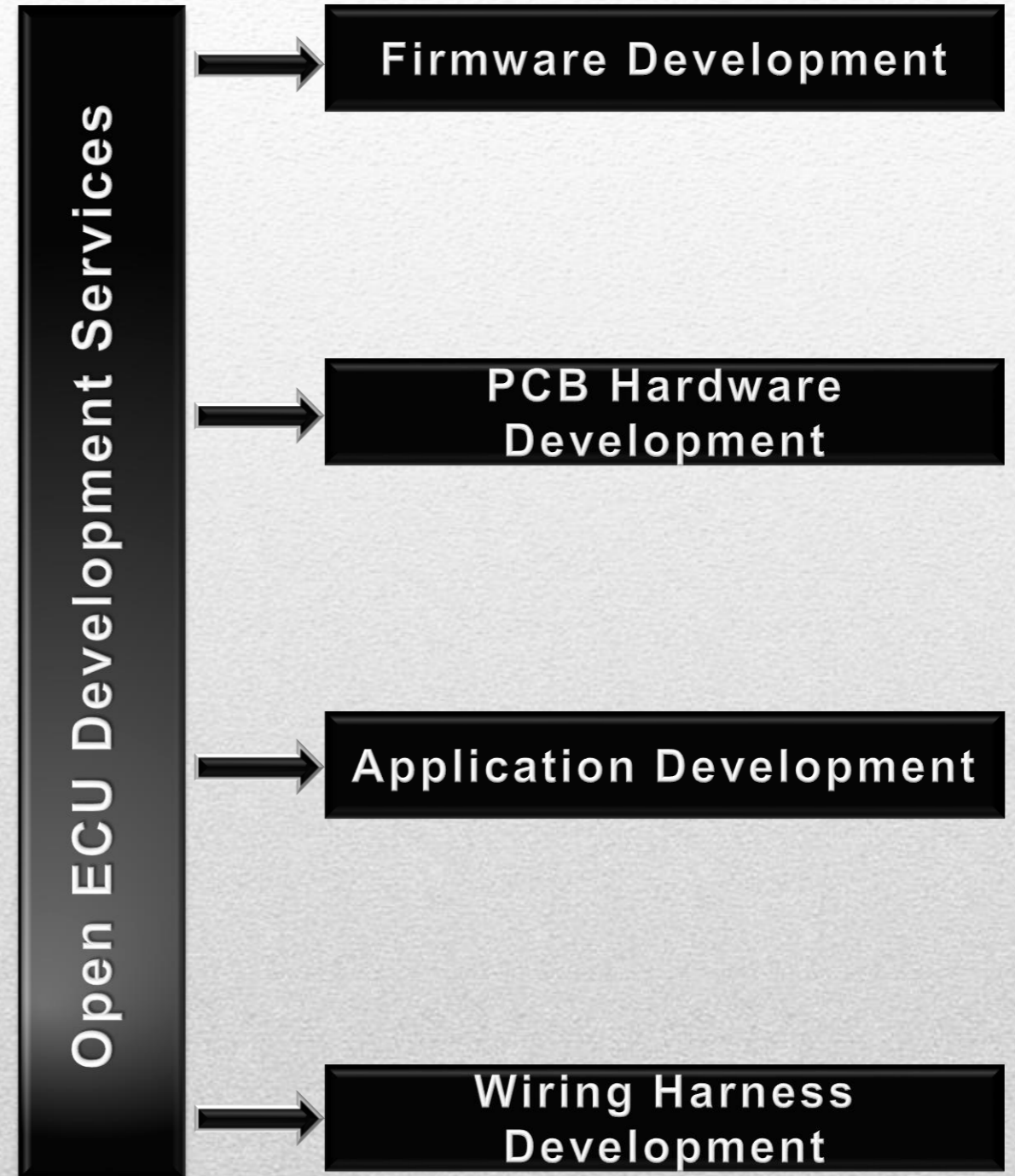


OPEN ECU

(Unleashing Your Engine's Potential, Limitless Access Awaits)

- Parvath Tech takes pride in crafting Open Electronic Control Units (ECUs) designed for full customization to meet unique requirements.
- Our end-to-end, in-house development encompasses hardware, firmware, and application software, offering a comprehensive solution for your automotive needs.
- We do develop the Open Electronic Control Unit (ECU), which can be customized based on the requirements. For this Open ECU development, all of the hardware, firmware, and application software are created in-house.

- At Parvath Tech, we don't just offer Open ECU development; we provide a canvas for innovation. Our commitment to customization empowers you to shape the future of your automotive systems.
- Choose Parvath Tech for Open ECUs that go beyond expectations, offering a foundation for unparalleled performance and adaptability.



The Existing OPEN ECU

INPUT

OUTPUT



Description : The depicted inputs and outputs can be effectively controlled through the utilization of the existing open Electronic Control Unit (ECU).

Existing Open ECU Technical Specification

SENSORS	Pressure	Working principle is Piezo electric.
	Temperature	Working principle is NTC.
	Position	Working principle is Potentiometer.
	Speed	Working principle is Hall effect and Variable Reluctance.

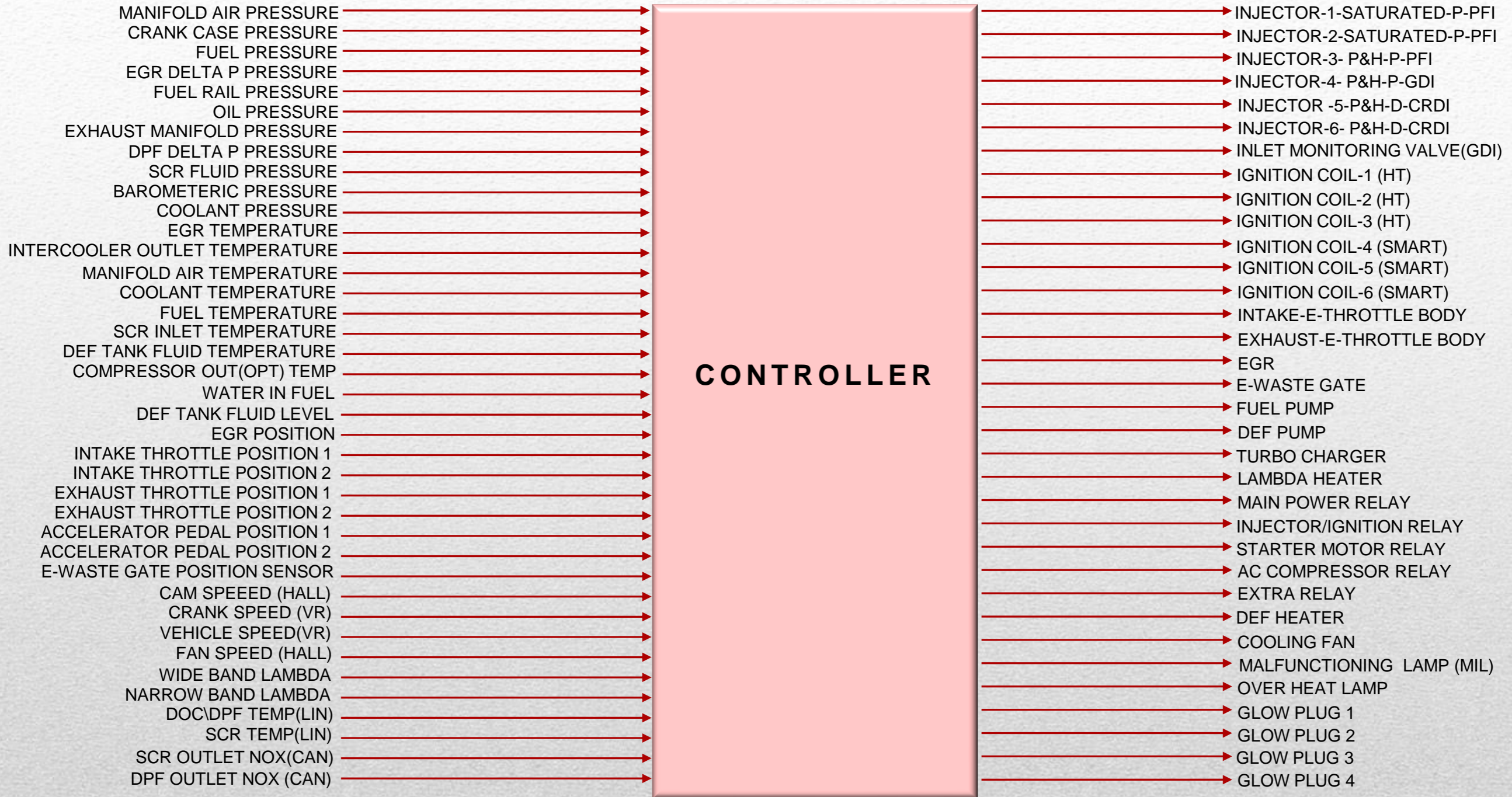
ACTUATORS	Injector	Working principle is Saturated and Peak and Hold type.
	Ignition Coil	Working principle is electromagnetic induction
	E – Throttle Body	Working principle is DC Motor.
	Fuel Pump	12 V, DC Electric Fuel pump. Pressure range - 2 - 4 bar
	Relay	Working principle is solenoid.

CONTROLLER	Processor	16 Bit
	Ram & EEPROM	16 Kb & 4 Kb
	Flash	256 Kb
	Communications	Serial to USB and K -Line

OPEN ECU (Under Development)

INPUT

OUTPUT



Description : The management of illustrated inputs and outputs through the OPEN ECU is currently undergoing developmental progress. We are in the phase of enhancing our hardware specifications to create a versatile model that accommodates a diverse array of engine applications, encompassing petrol, diesel, CNG, and Hydrogen, with the capacity to support up to six cylinders