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## logiicdev

### Green testing equipment for battery, regulator and PSU.

logiicdev is developing an Artificial Intelligence-based test device named Pentaload (PL), especially engineered for power regulators, and batteries (space & consumer).

#### **Pentaload provides customers with four different functionalities:**

- 1) a programmable power supply (voltage and current controlled),
- 2) a signal generator,
- 3) load and
- 4) an oscilloscope.

Our goal with Pentaload is to save our customers' time, energy and money using AI/ML. Pentaload has demonstrated a 99.8% accuracy and 80% plus energy efficiency using simulations.

This combination of benefits is why we are unique: At present, no other solution on the market provides such high-value features to customers with AI/ML guiding the user on "how to test-DUT".

What is the key to Pentaload's innovative high-tech features? Using GaN technology, PL will provide high-speed switching and control up to 1 microsecond (uS) to a user. Using advanced inter-leaving technology, PL is reducing the cost of converters.

#### **USP**

Reducing the test time, energy consumption, man-made mistake and repetitive motion injury and improving the Auto-AI-based result.

#### **Target Market**

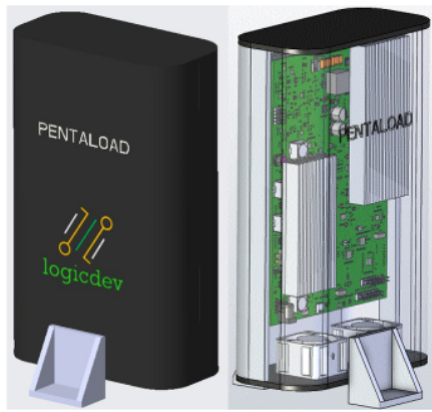
We are targeting semiconductor manufacturers, engineers, organizers of hackathons, technicians, hobbyists, testers and engineering communities who deal with power supply, battery, LED, IOT, BLE, WLC and testing.

#### **Space connection**

PL will work from  $-10^{\circ}\text{C}$  to  $85^{\circ}\text{C}$  using ESA technology. ESA technology-based enclosure will create a new business vertical. i.e. equipment with harsh atmosphere capability.



team logicdev



Product image

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