

LAB ON THE CLOUD – 24/7 ONLINE TEST LAB

- Lab on the Cloud is a unique platform, where customers can test & monitor a solution remotely using the web.
- Renesas proof of Concept boards and solutions are available to the remotest designer and accessible 24/7.
- Solution boards, Oscilloscopes, Power sources and Power meters are connected over the cloud and can be monitored through live video streaming direct from the lab.
- The lab is fully autonomous. Users can drive system functionality and, control the equipment through an intuitive web graphical user interface (GUI).
- Mass market applications deployed include cloud based solution, low power Bluetooth, motor drive, electric vehicle system, air quality monitoring system, advance face, object & voice recognition and voice authentication systems

LAB ON THE CLOUD ADVANTAGES

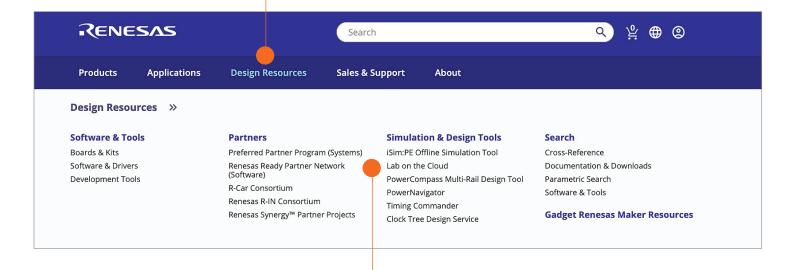
- Helps optimize design process
- Shortens time to market
- Reduces design risk
- Boosts designers' confidence
- It is a free of cost tool, and no subscription required to access Renesas boards.

- Intuitive web graphical user interface, live camera streaming from Lab
- Access of documents & videos using library
- Request samples and timing product devices' part numbers
- Ask queries from board designers directly using discussion forum



GETTING STARTED

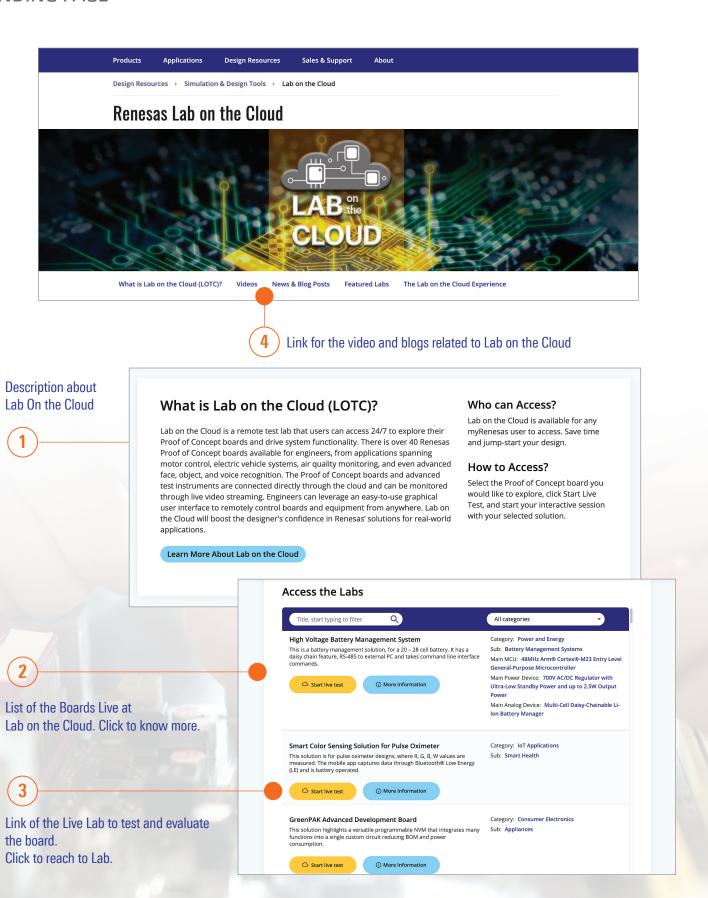
LAB ON THE CLOUD is a design tool of Renesas, it is found under the design resources.



Click on Lab on the Cloud link to reach to the Lab on the cloud landing page.



LANDING PAGE



LOGIN & ACCESS

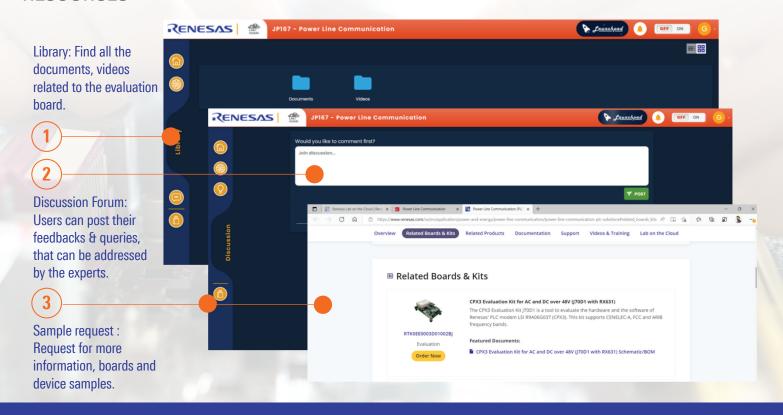


TEST & EVALUATE

6 Information panel: Dynamic information about the board and working



RESOURCES



BOARD TO LOOK OUT 1: HIGH VOLTAGE BATTERY MANAGEMENT SYSTEM

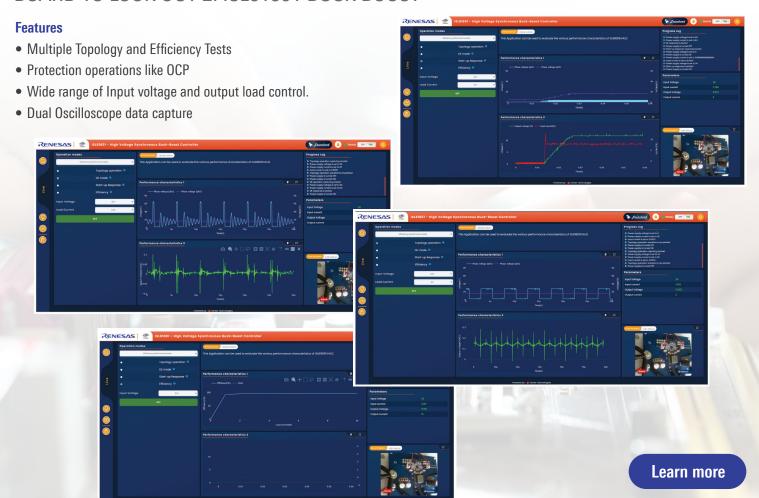
RENESAS #

Features

- Battery Charging, Discharging current Data
- Cell Balancing Data
- Battery Cell Balancing Temperature
- CLI Command from User to Control board-Set OCP limit



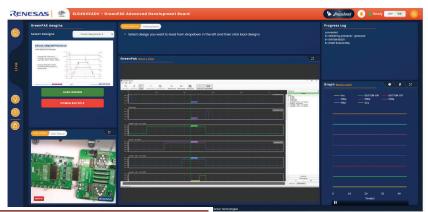
BOARD TO LOOK OUT 2: ISL81801 BUCK BOOST

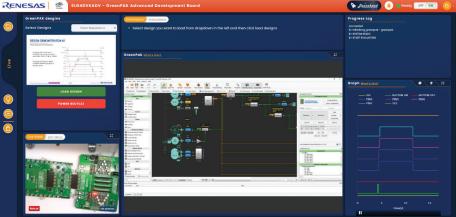


BOARD TO LOOK OUT 3: GREENPAK ADVANCED DEVELOPMENT

Features

- Eliminates need for hardware and software
- Upload and Download the designs
- Multiple sample designs available for testing
- Simulation and emulation function available







For more information, visit: renesas.com/labonthecloud



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