

Press release

Mitsumi Electric Co., Ltd.

2-11-2 Tsurumaki, Tama-shi, Tokyo 206-8567, JAPAN

President and CEO Shigeru MORIBE

TEL: 042-310-5333 (Company Tel No)

URL: <http://www.mitsumi.co.jp/>

## **Business Partnership with Greenvity Communications Inc.**

Mitsumi Electric has agreed to a business partnership with Greenvity Communications Inc. (hereafter, "Greenvity", California) with the aim of supplying modules for electric vehicles, plug-in hybrid vehicles, battery charging systems, smart meters, and smart energy management systems, as well as joint development of these systems.

### Note

#### **1. Aim of business partnership**

Mitsumi Electric has increased its focus on the "environment and energy-saving" fields that are expected to experience high growth, as part of management plans for developing a reliable profit structure and to comply with the basic policy of expanding into business fields for further company growth.

This business partnership with Greenvity aims to drive business faster with the aim of expanding into new fields and releasing products designed based on advanced development in businesses related to Home Plug Green PHY-standard power line communications (HPGP-PLC) and Zigbee® wireless communications.

The business partnership will contribute to the culmination of "advanced technology" and aims to propel wireless communication and power line communication technology businesses forward by utilizing the technology that both Greenvity and Mitsumi Electric have developed. Mitsumi Electric has invested a total of \$2 million as part of efforts to strengthen the relationship developed as part of this business partnership.

#### **2. Details**

This business partnership will focus on joint development of vehicle communication module "DRT-A520", mass-production and development of related systems. The module uses the "Hybrii-PLC GV7012" chip, which has been designed for use with AEC-Q100 grade 2 under tough environments such as the extremely high temperatures (-40°C to 105°C) required in vehicle applications. It complies with the combination communication module "DRT-A600", Plug Green PHY PLC and ethernet using the Greenvity's ZigBee wireless communications and Home Plug Green PHY PLC-compliant single chip solution "Hybrii-XL GV7011". Greenvity's ZigBee wireless communication is designed for use in various applications, including energy management for homes, buildings and electric vehicles, and delivers a strong, intelligent connection.

This module can also be used for smart energy management solutions such as intelligent home gateways that are gaining popularity amongst consumers, home area networks, as well as the electric vehicle and hybrid plug-in vehicle market that is growing worldwide, and meets demand for EV charging stations. The module is planned to be supplied in the first half of 2013.

End.