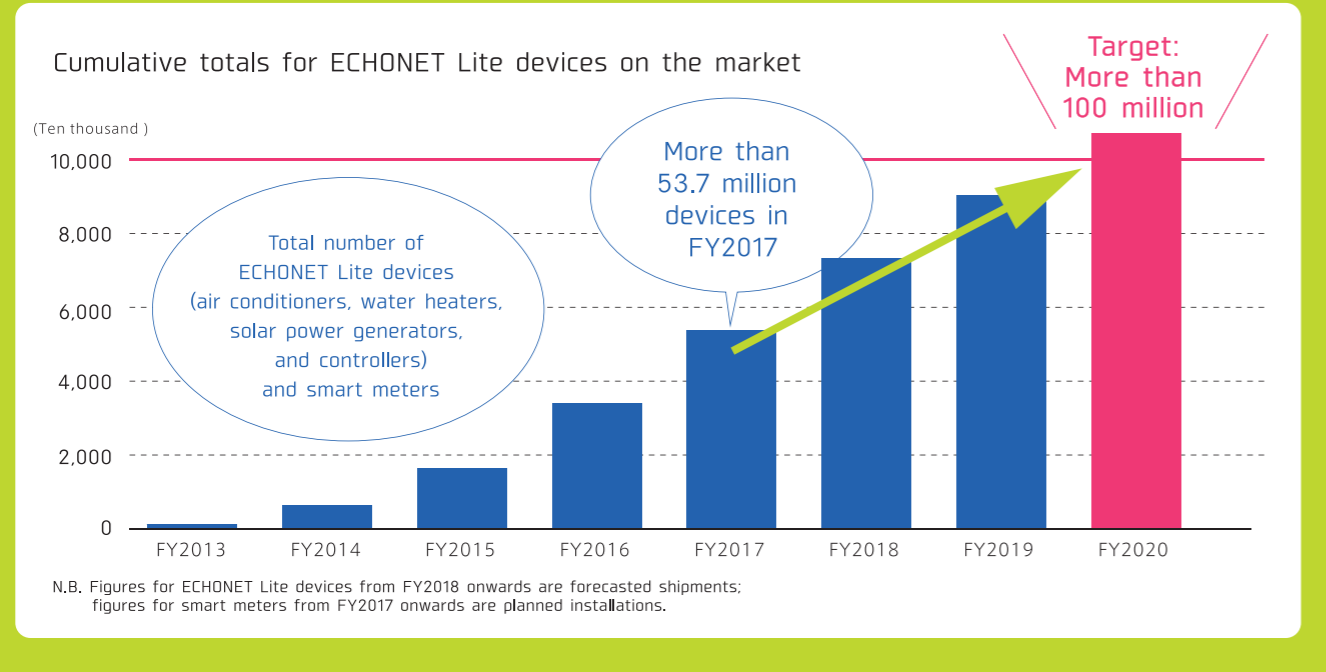
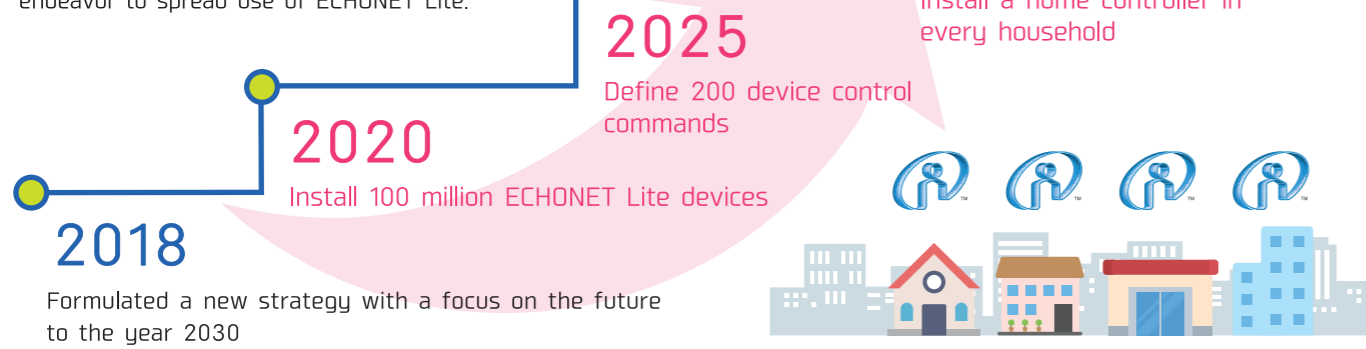


ECHONET Lite has already created the world's biggest scale IoT environment



Roadmap for ECHONET Lite to the year 2030

To bring about a society where every household is able to live in comfort and convenience, we will endeavor to spread use of ECHONET Lite.



Going global

International collaboration based on standardization, and training and research

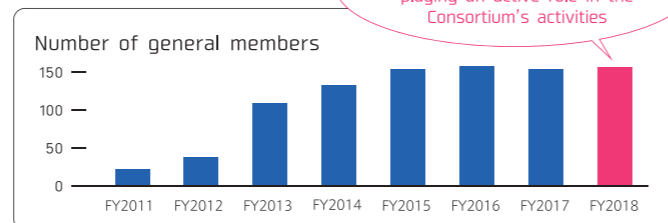
ECHONET Lite Communication Middleware and Detailed Requirements for ECHONET Device objects, which both make up a major part of the ECHONET Lite protocol, were approved as an international standard (ISO/IEC 14543-4-3 and IEC 62394) in 2015. We are also operating ECHONET Lite research and development centers and regional offices with a focus on countries in the ASEAN region, such as Malaysia and Thailand.



Activities overview and structure of the ECHONET Consortium

The ECHONET Consortium is primarily focused on the ECHONET Lite protocol and works to enhance ECHONET Lite and other connection standards for appliances and sensors connected to home networks, helping with the development of products that support the ECHONET Lite standard, and encouraging more use of ECHONET Lite-based IoT homes and appliances in small and medium-sized buildings and stores.

The ECHONET Consortium is run by close to 300 general and associate member companies, from the home appliances, electricity, electronics, energy, residential, and IT industries, as well as from academic and research fields. Its managing members are (in alphabetical order) Hitachi, Ltd., Mitsubishi Electric Corporation, Nippon Telegraph and Telephone Corporation, Panasonic Corporation, Sharp Corporation, Tokyo Electric Power Company Holdings, Inc., and Toshiba Corporation.



Communication protocol for home networks in the IoT age



***** ECHONET Lite *****

This is



the future of home life



ECHONET Consortium

Inquiry

ECHONET Consortium <https://echonet.jp/>

Shimbashi TS Bldg. 4F, 1-22-5 Nishishimbashi, Minato-ku, Tokyo 105-0003 JAPAN Tel: 03-6205-4142 Fax: 03-6205-4143

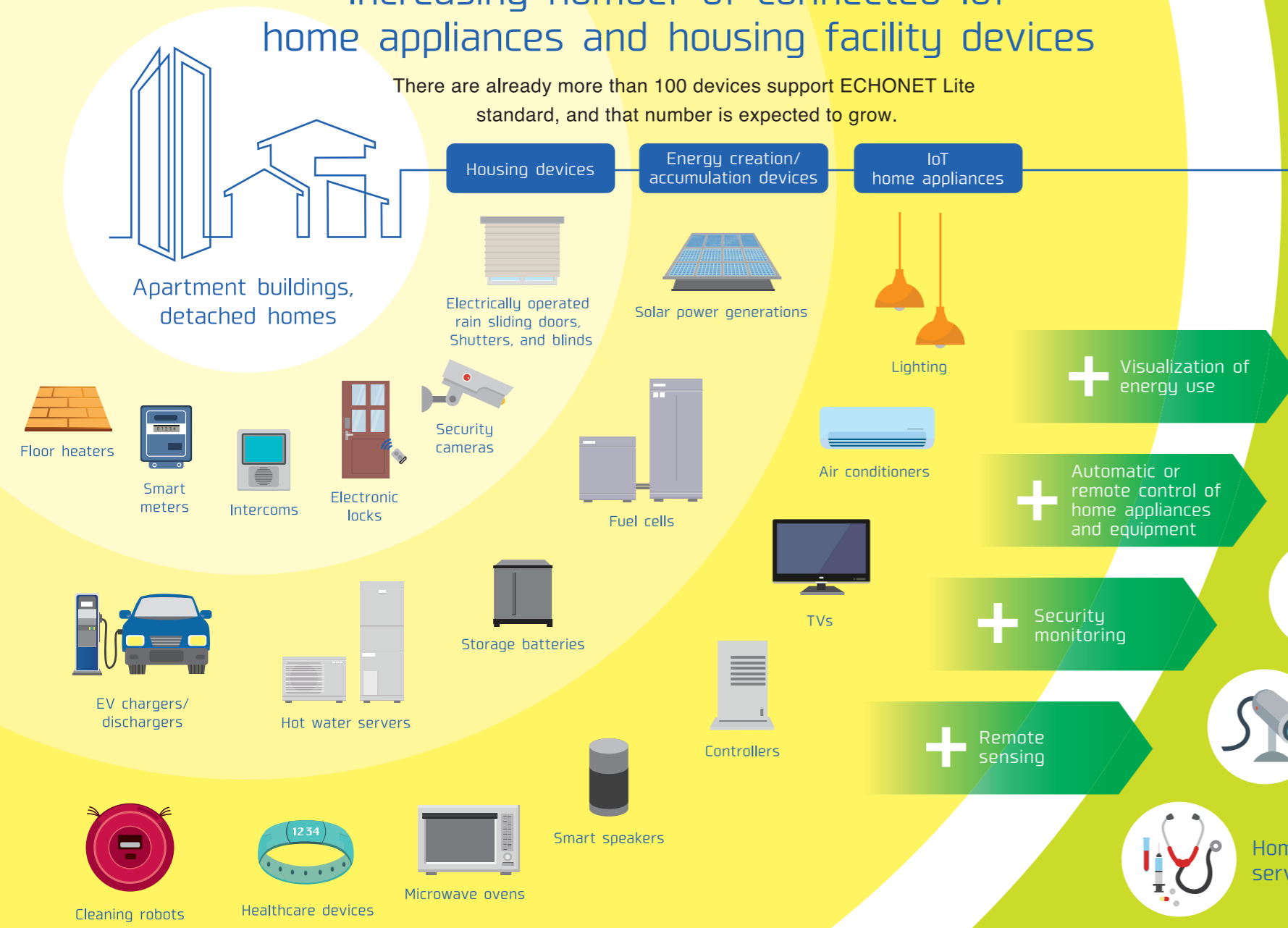
ECHONET Lite is approved as an international standard under ISO/IEC 14543-4-3 and IEC 62394.

IoT is expanding from energy management to every part of our lives. With ECHONET Lite, your house becomes a next-generation IoT housing.



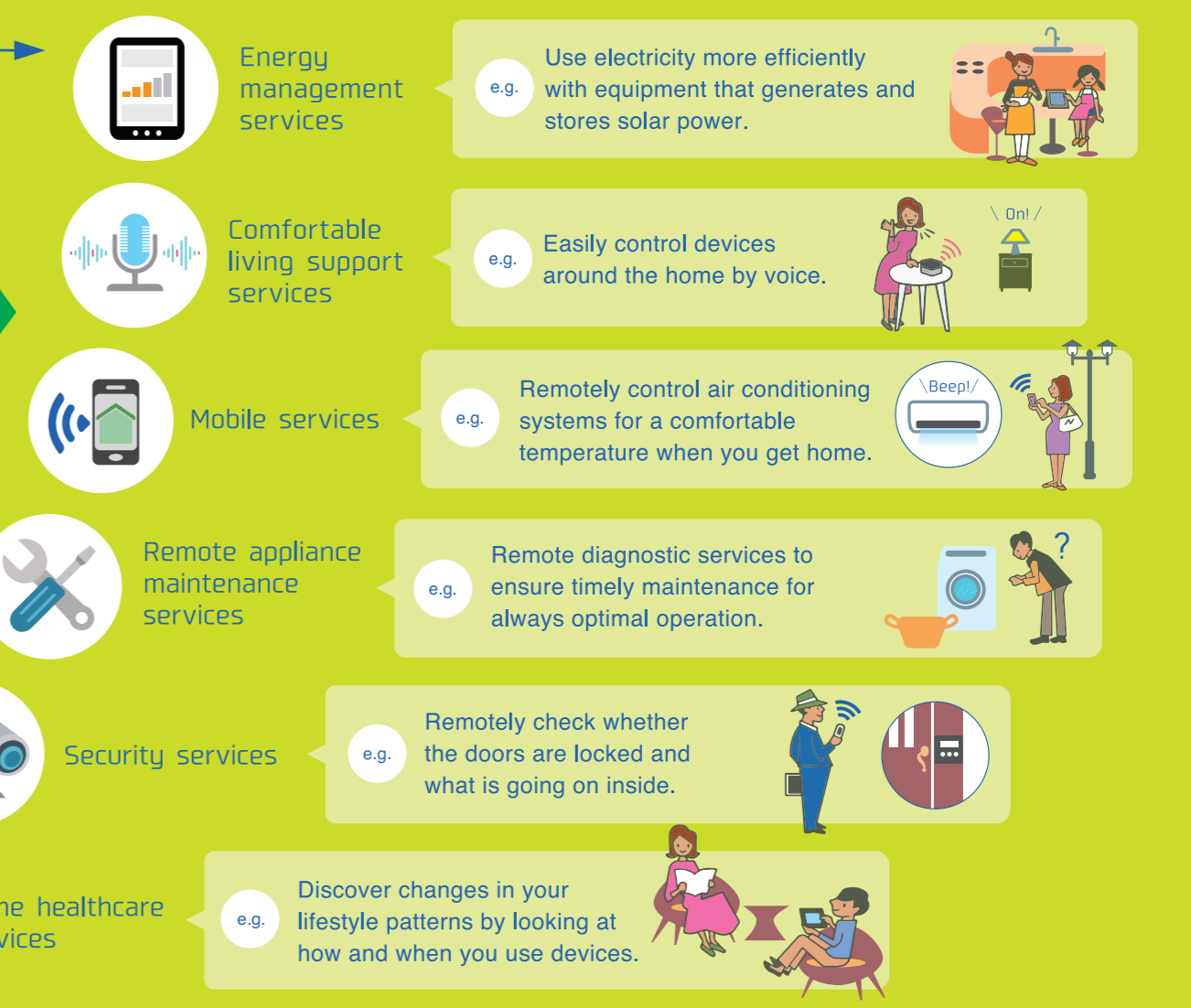
Increasing number of connected IoT home appliances and housing facility devices

There are already more than 100 devices support ECHONET Lite standard, and that number is expected to grow.



Expanding world of connected IoT lifestyle services

As lifestyles that make use of IoT home appliances and devices become more widespread, new players enter the marketplace and give rise to services that make life more convenient and more comfortable.



ECHONETLite What is it?

ECHONET Lite is a shared language that makes it possible for IoT home appliances, housing devices, energy creation/accumulation devices offered by different manufacturers to communicate with each other.

In order to control IoT home appliances, housing devices, energy creation/accumulation devices from different manufacturers via the internet, as in smart homes that use Home Energy Management Systems (HEMS), a common interface (the shared language) is paramount. It is ECHONET Lite that fulfills this role as a communication protocol.

ECHONET Lite is recommended as a publicly available standard interface (shared language).

- ★ ECHONET Lite standard is recommended by the Smarthouse Standardization Committee of the Ministry of Economy, Trade and Industry as a well-known standard interface, while being recognized as an international standard.
- ★ Also approved as an international standard under ISO/IEC 14543-4-3 and IEC 62934.

Illustration of an IoT home

