

PLCLINK

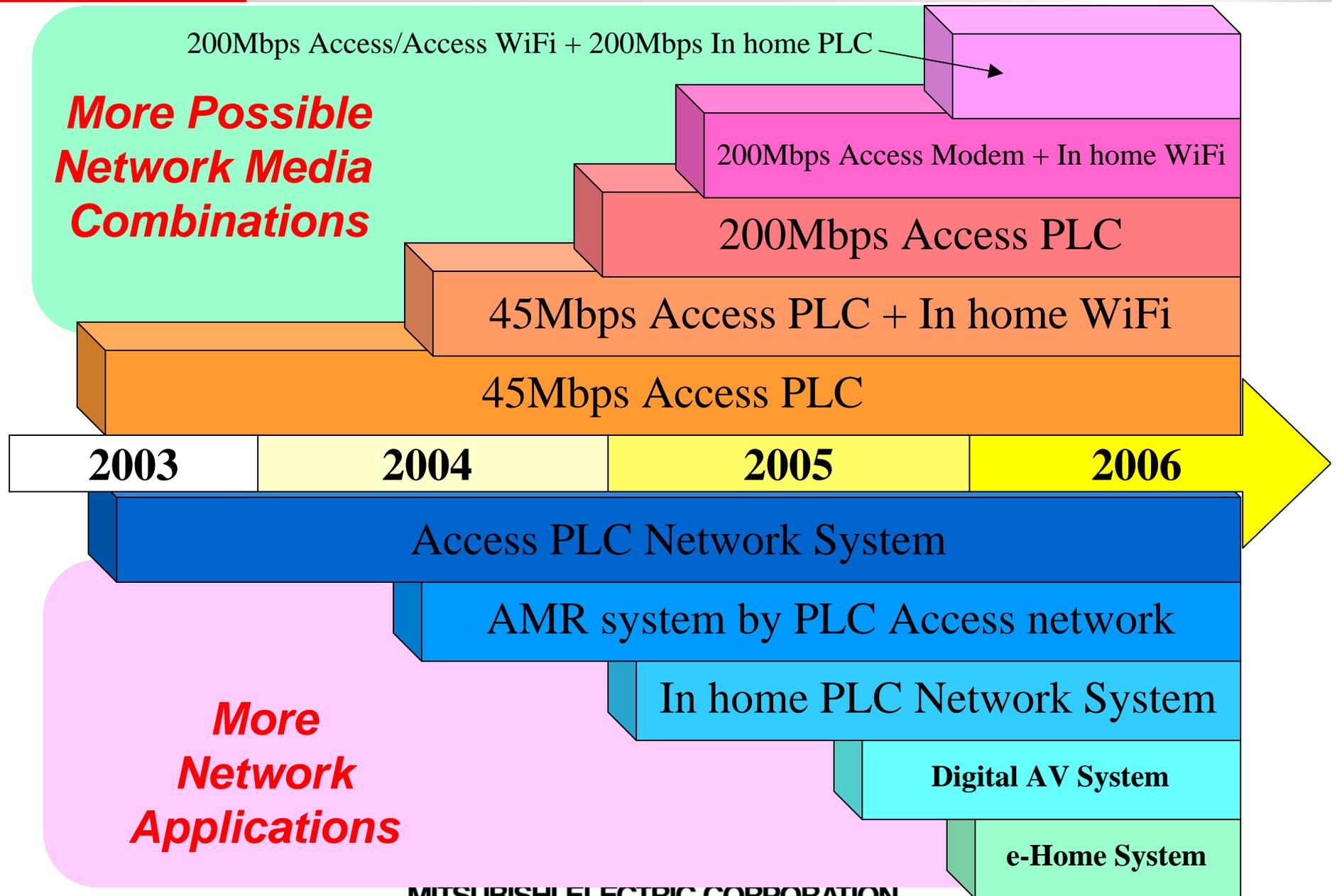


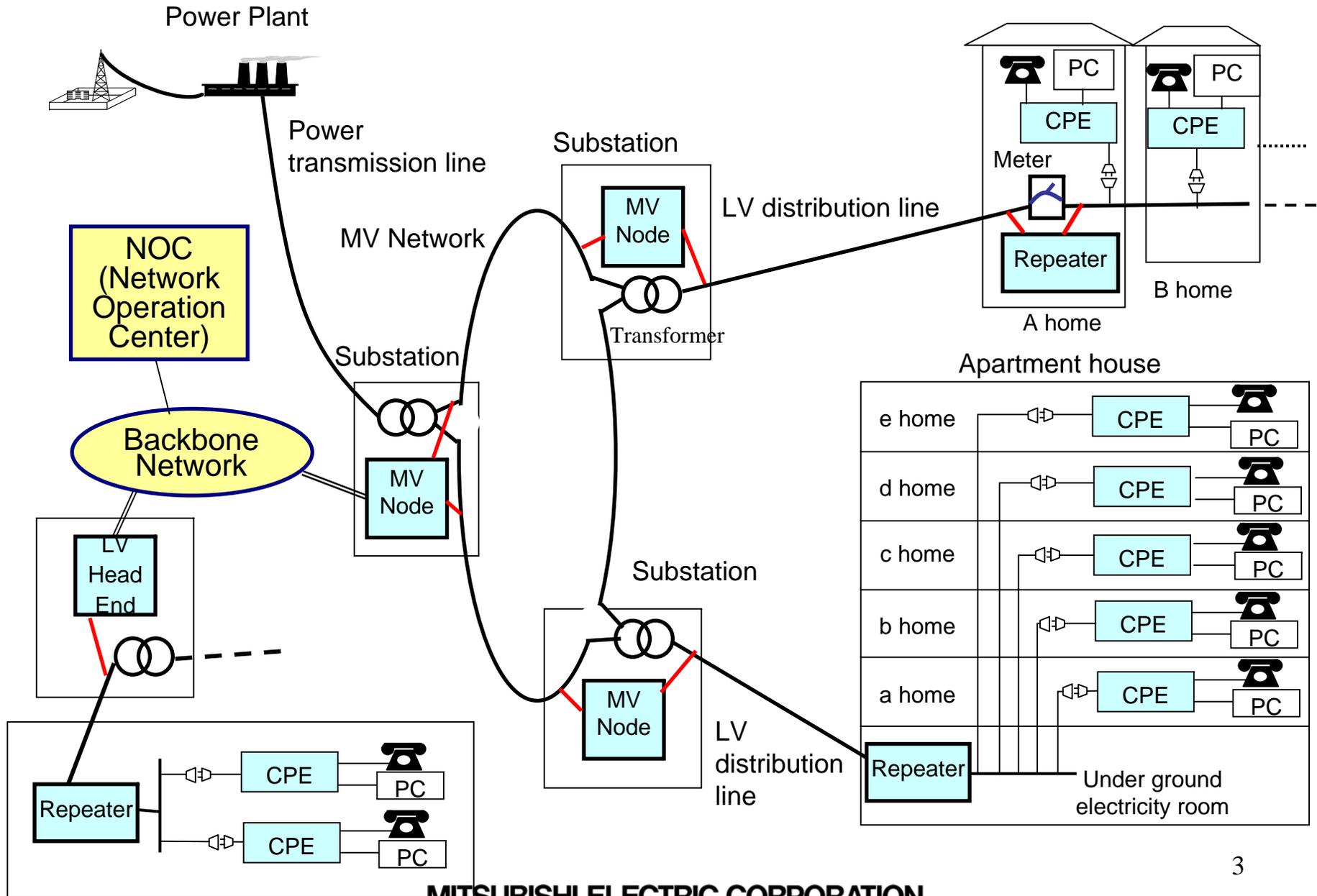
MITSUBISHI PLC/BPL System Overview

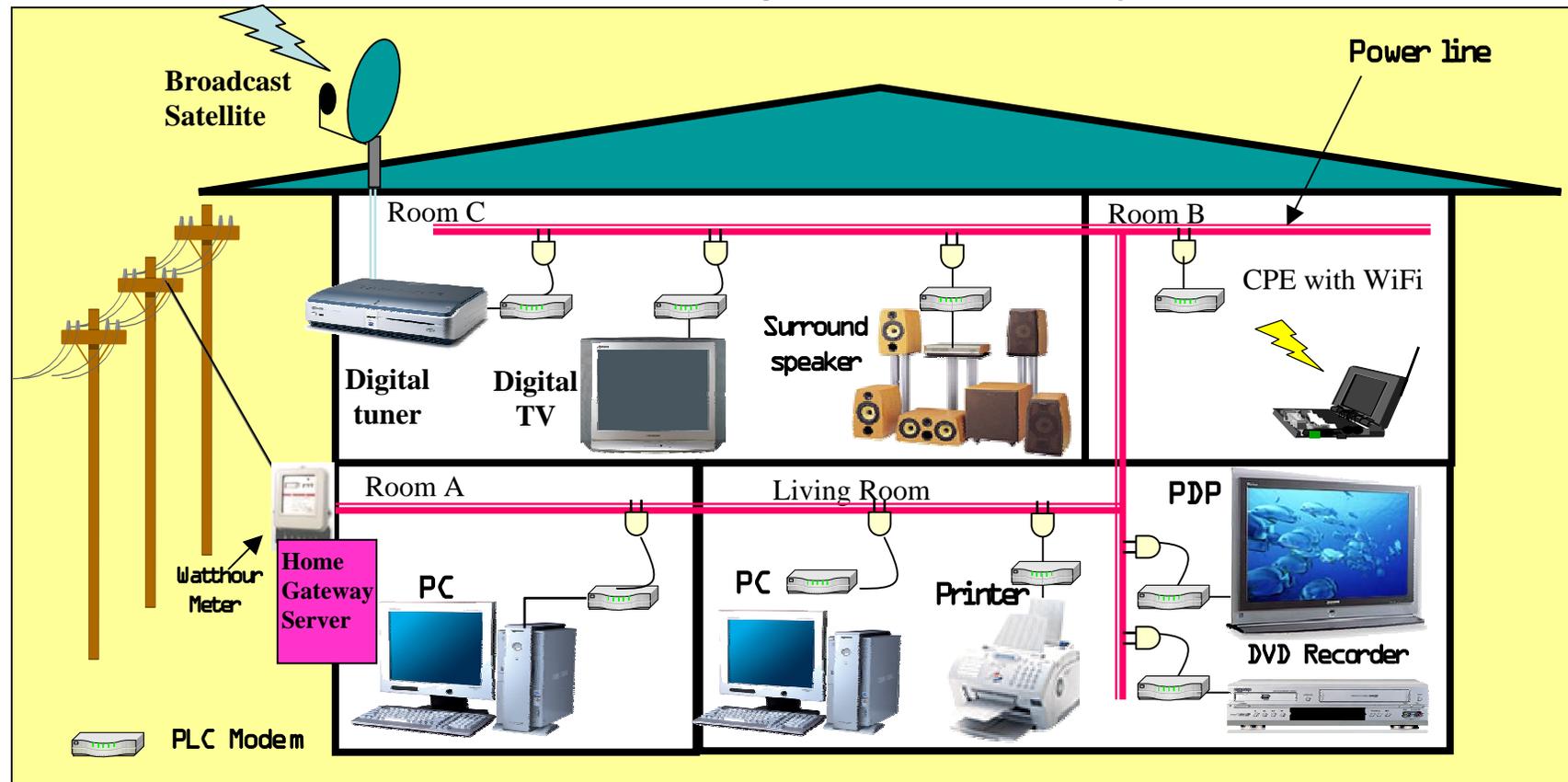
15Mar. 2004

PLC LINK PLC TRX ETHERNET TRX RESET









- Devices are connected to a home network using power line.
- Users can access to the internet easily, without wiring work.
- New devices can be automatically detected and accepted by the network.

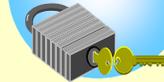
Service Providers

Utility

- Energy Service
- Public Ad service



Home Security Company

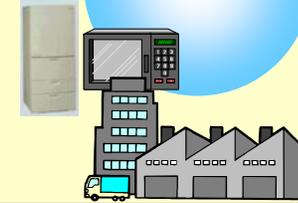


Medicare Service



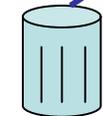
Consumer Electronics Maker

- Maintenance Service



*Available from
the mobile
terminal*

*Service Provider offers
the service utilize the
e-Home device.*

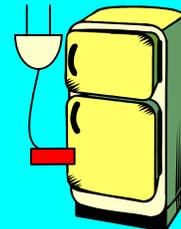


PLC Access Network

Home Gateway
Server



TV



Refrigerator



Infrared
Sensor

*e-Home device with PLC
module can communicate
via in-home power lines..*

1st Generation MV Node, Repeater, and CPE Capabilities

Bit Rate	- Up to 45Mbps (Up stream:18Mbps, Down stream: 27Mbps)
Service	- Broadband IP service, Voice over IP service
Network Functions	-Spanning tree protocol (IEEE Std.802.1D), VLAN (802.11q and original VLAN), QoS

2nd Generation MV Node, Repeater, and CPE Capabilities

Bit Rate	- Up to 200Mbps (aggregated)
Service	- Broadband IP service, Voice over IP service, In-home use
Network Functions	-Spanning tree protocol (IEEE Std.802.1D), VLAN (802.11q and original VLAN), QoS, and more

