

# Innovative Green Ubiquitous Solution by HD-PLC

**Mitch Aramaki**  
President and Chairman  
**HD-PLC Alliance**



**Green  
Ubiquitous**

# HD-PLC Alliance

**Founder**

**Panasonic** Panasonic Corporation



AOPEN AMERICA



Kawasaki Microelectronics INC.

**Promoter and Promoter-Affiliated Member**



APTEL



**ACN** ACN Advanced Communications Networks SA



ASAHI KASEI MICRODEVICES CORPORATI



MITSUMI ELECTRIC CO., LTD.

**I-O DATA** I-O DATA DEVICE, INC.



BUFFALO INC.



Murata Manufacturing Co., Ltd.

**Panasonic** Panasonic System Networks Co., Ltd.



Egretcom Co.,Ltd



OKI Electric Industry Co., Ltd.

**Panasonic** Panasonic Corporation, Semiconductor Company



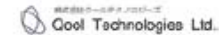
IGRS Engineering Lab Ltd.



Progilon Co.

**Panasonic** Panasonic Electric Works Co., Ltd.

Kawasaki Microelectronics America,INC.



Cool Technologies Ltd.

As of Mar, 2012  
22 Members



Shinko Shoji Co.,Ltd.



Wipro Technologies



Xingtera US



# The Alliance Cooperation with key organization

## Brazil



## China



IGRS: (Intelligent Grouping and Resource Sharing)

# Korean Hansol Oak Valley Ski Resort



**HD-PLC and a NW camera are utilized for the watch usage of the sky chair lift.**



# Barreirinhas in Brazil Project With Return Channel



- Barreirinhas is in North of Brazil  
population : 40K , House Hold : 13K
- Back Bone : 4Mbps Service through Optical Fiber  
to entrance of each building
- Schedule : Jan /2008 - Operation Test  
June/2008 – Start Pilot



## Culture Center

10- outlets for Internet  
(4/2<sup>nd</sup> Floor, 6/1<sup>st</sup> Floor)  
3 - Monitoring Camera



## Restaurant

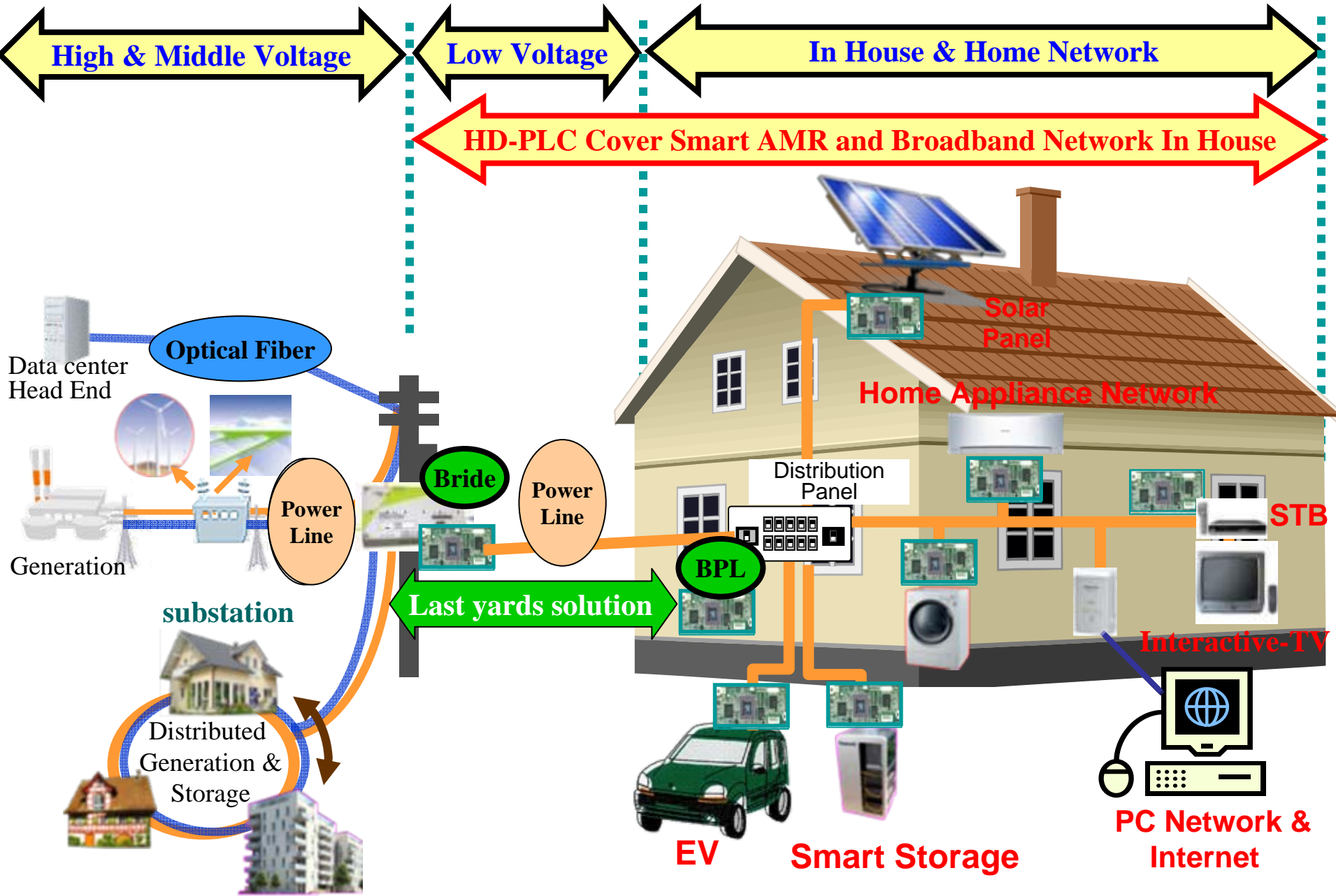
2- outlets  
for Public Internet Access  
1- Monitoring Camera



## Souvenir Shop

1- outlets  
for Public Internet Access

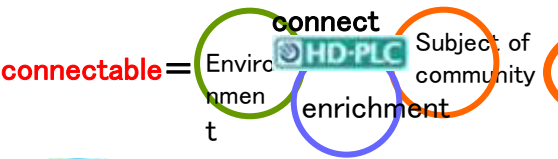
# HD-PLC for in-Home & Access BPL



# Green Ubiquitous City is a connectable and enriched Smart City

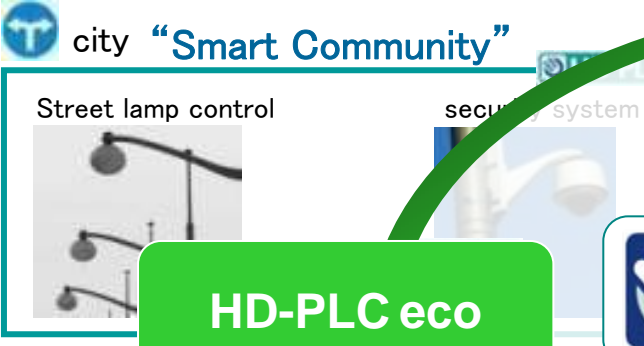
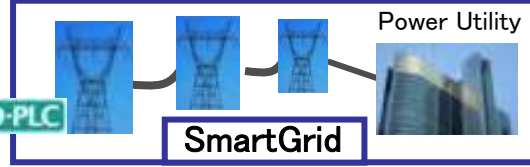
## Green Ubiquitous city is:

A city enriched and lively with people and devices connected by HD-PLC network



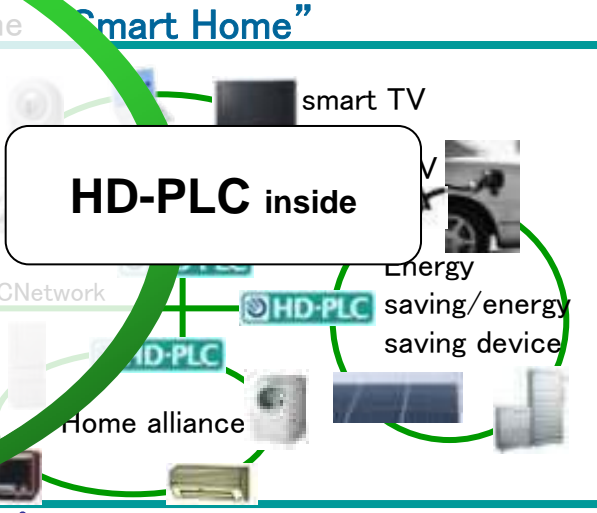
Green ubiquitous network platform

### HD-PLC IEEE1901



### HD-PLC eco

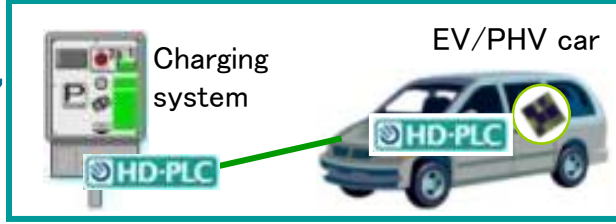
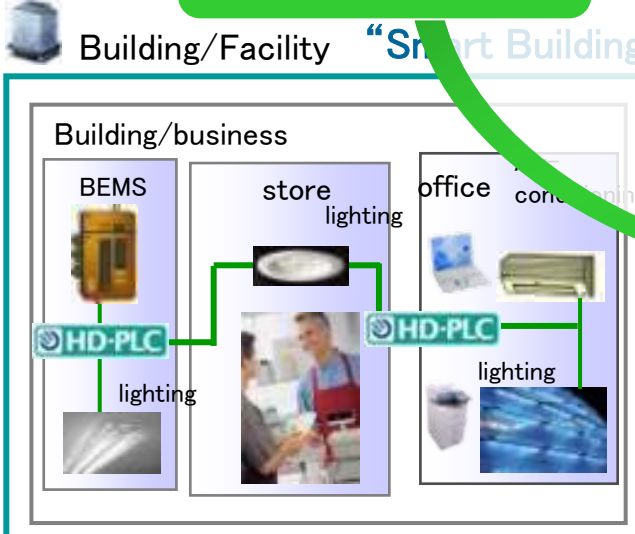
### HD-PLC



### HD-PLC inside

### Interoperable Family Solution

### IGRS-PLC





**Green Ubiquitous**

**HD-PLC**

**Thank you very much**

Tropical