



Power Plus Communications AG

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Company Overview

Customers, projects and partners



Putting the “Smart” into Smart Grid

- Communications are fundamental to all Smart Grid and Smart Metering solutions
- PPC’s unique **Broadband Powerline Solution** enables communication over the power grid
- Fabless system company with unique IP
- Deployed in networks of 500k households
- Germany: In business with 80% of top 30 utilities and with multiple partners
- Shareholders:
 - Management Team
 - Climate Change Capital Private Equity
 - British Gas
 - Siemens Financial Services

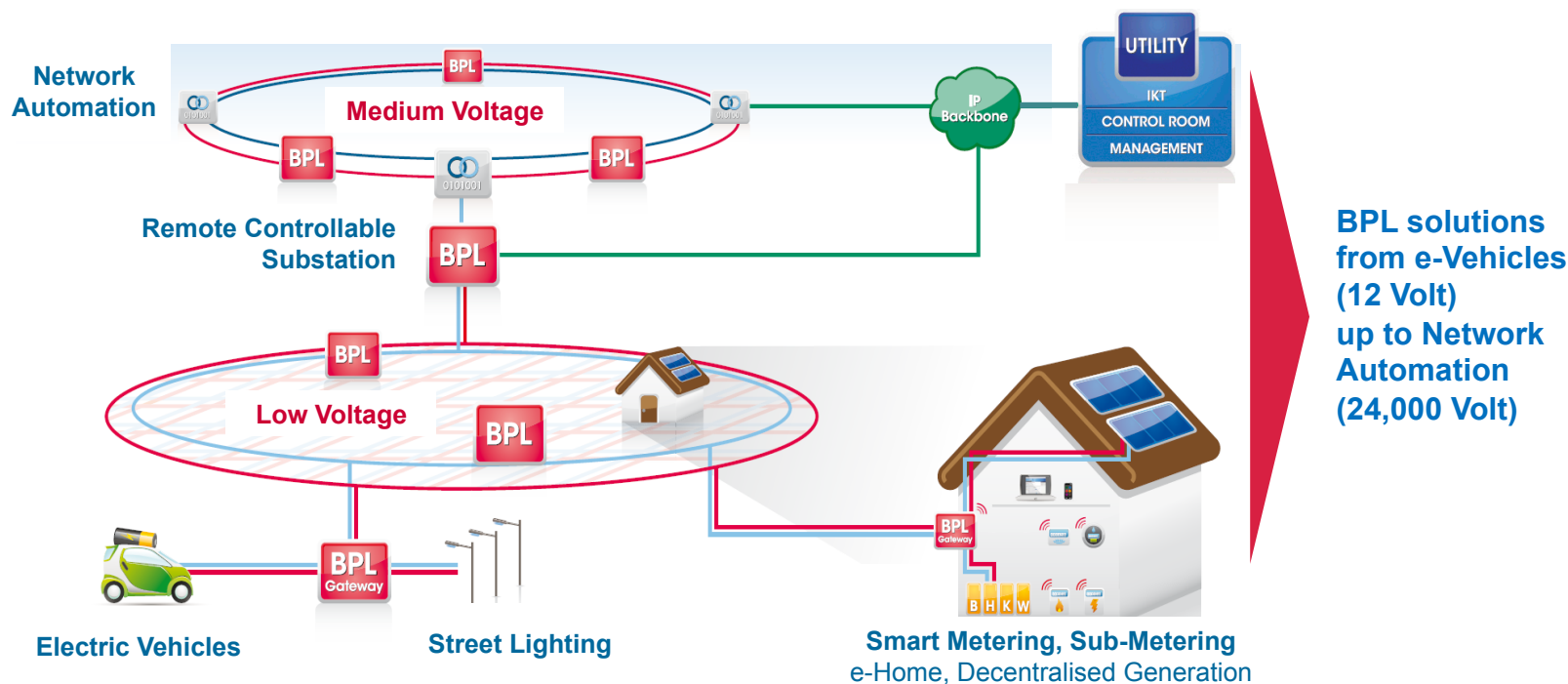
Selected Customers & Partners

Germany	International	Partner

Broadband Powerline (BPL) Value Proposition

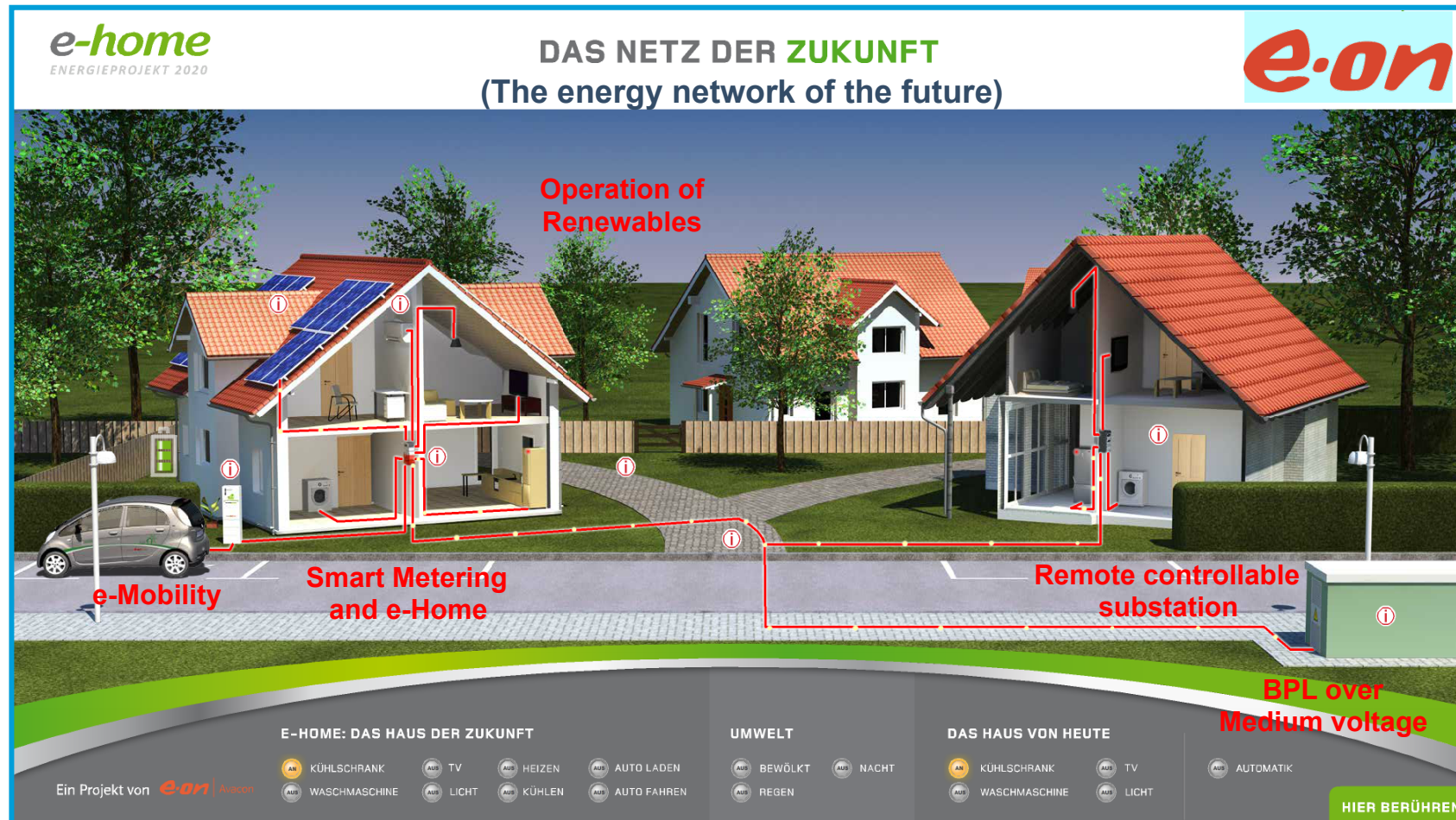
Smart communications in electricity networks

- BPL uses the existing grid infrastructure
- Easy to install and robust in operation
- BPL platform has superior economics
- High performance for real-time applications
- Use of standards - “TCP/IP over BPL” enables multiple applications on one platform



Typical Reference: E.ON 'Energy System 2020'

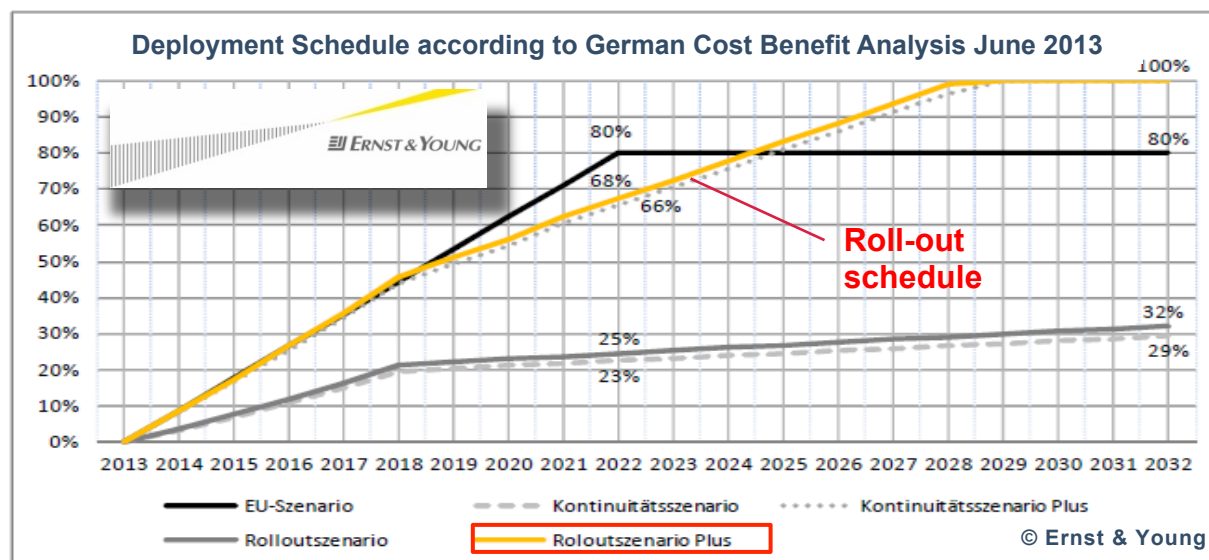
Smart Grid enabled by Broadband Powerline



German Market: Outcome of Cost Benefit Analysis

100% Smart Metering Roll-out until 2028

- BPL technology rated ‘most economic solution in practice’
- Market: 19.2 m ‘Intelligent Metering Systems’ + 13.6 m ‘Intelligent Meters’
- PPC’s Total Addressable Market (WAN and HAN Communication) €3.1 billion



Market Status

- Government defined technical specification in Feb. 2013
- EU approval in September 2013

UK Market: DECC High Rise Challenge

100% Smart Metering Roll-out until 2028

UK high rise solutions for national smart metering roll-out with Siemens Metering Services and British Gas

Multi-dwelling (MDU) properties present a number of technical and commercial challenges in comparison to single dwelling units:

- Meters located in communal areas or basements
- Physical distance between meters and apartments
- As many as 20% of households in the UK affected



Overcoming the High-Rise Challenge
Making smart metering work in multi-dwelling properties.

How big is the challenge?

HIGH-RISE	LOW-RISE	CONVERTED BUILDINGS
Buildings = 7,108	Buildings = 180,759	Buildings = 232,418
Households = 528,669	Households = 3,976,696	Households = 1,162,088
TOTAL: Buildings = 420,285 Households = 5,667,453		

At Siemens, we believe we have the answer and have developed a turnkey solution for multi-dwelling properties.

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Thank you!

Eugen Mayer

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