

Power Plus Communications (PPC)

Pioneers of Nessum in Germany and Europe

Eugen Mayer
Chief Operations Officer



PPC: Pioneers of Nessum in Germany and Europe

Agenda

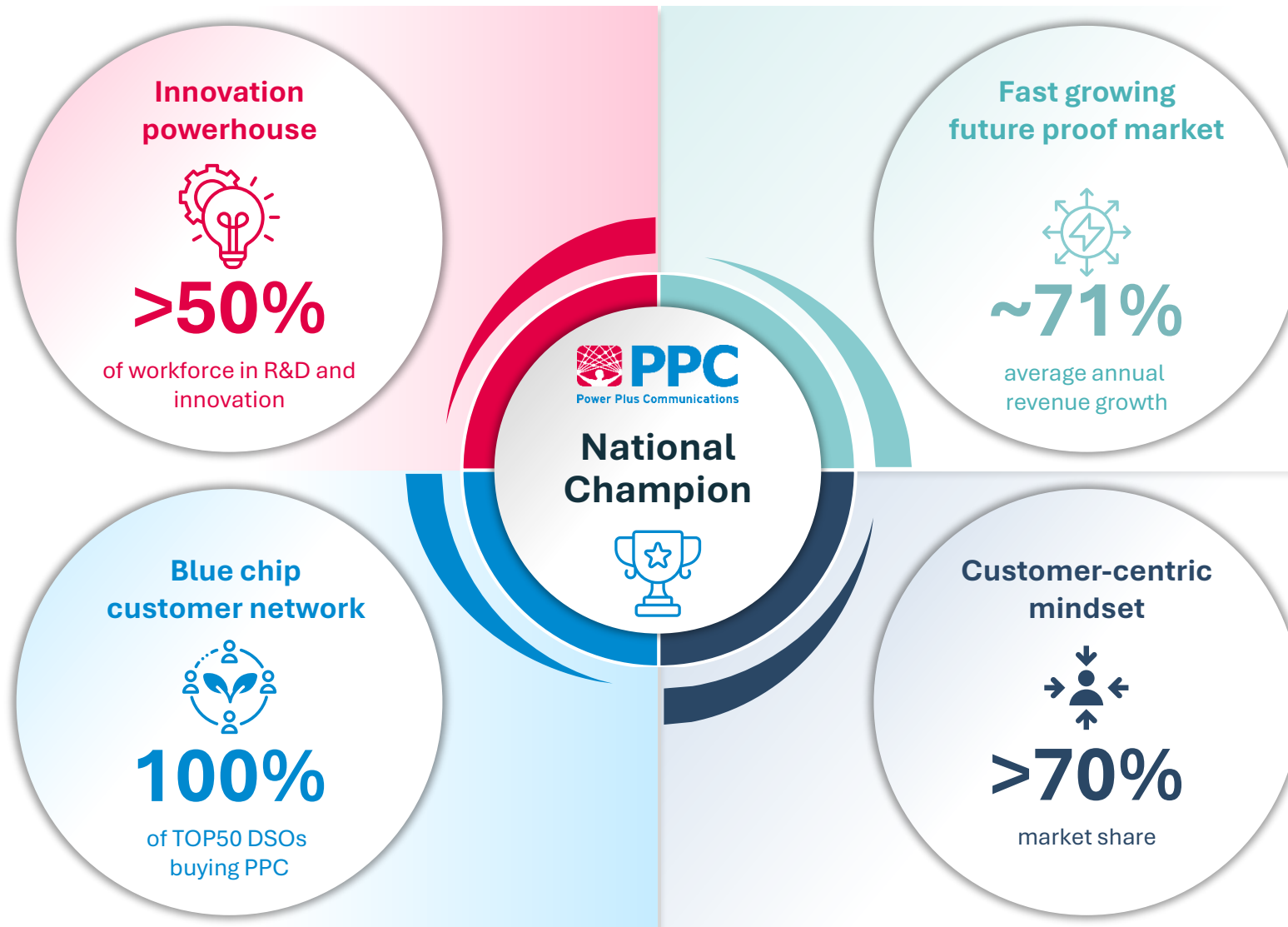
PPC - Market Leader in Germany

European Market and Market Drivers

Nessum in the German Rollout

Conclusion: A Stage Set for Growth

Contact Details Eugen Mayer



PPC a Pioneer in Broadband Powerline

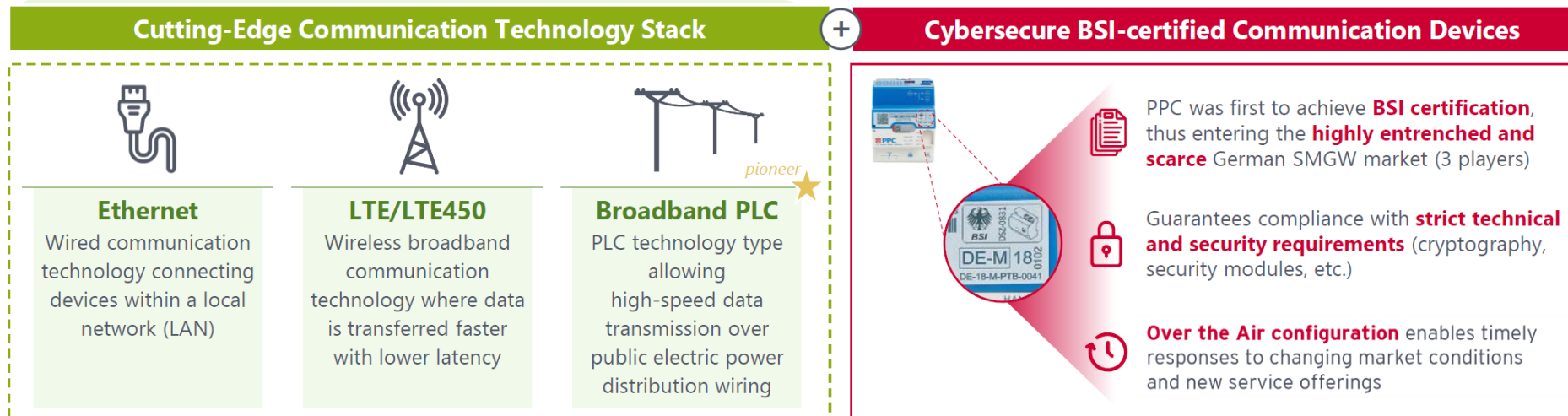
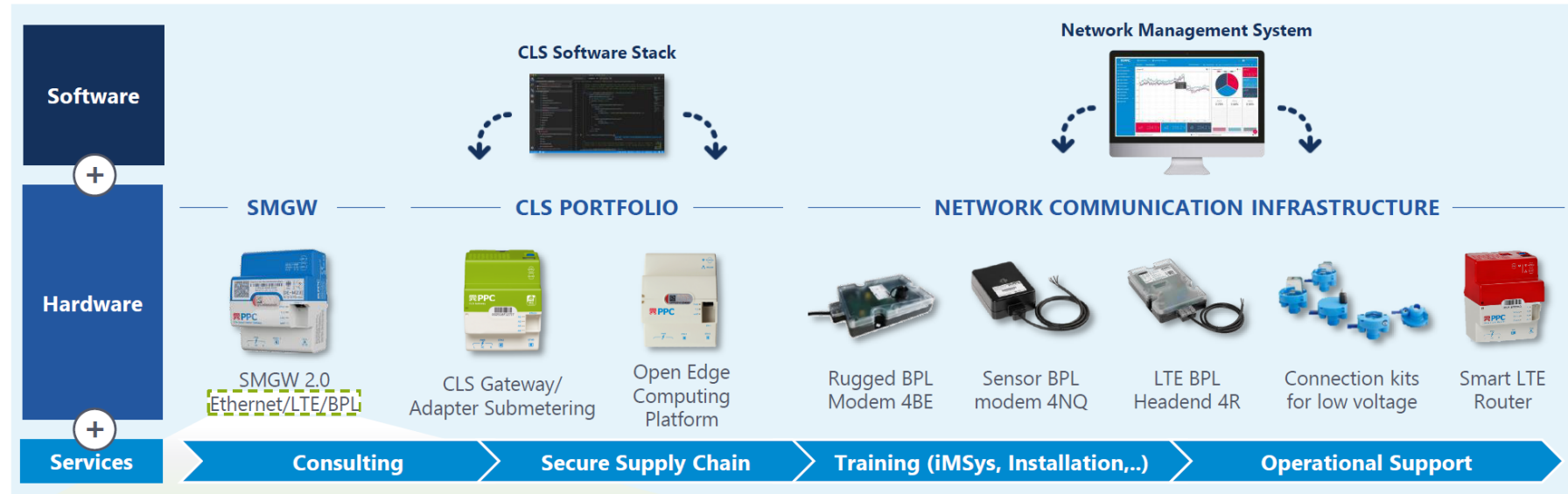
26 years of BPL experience

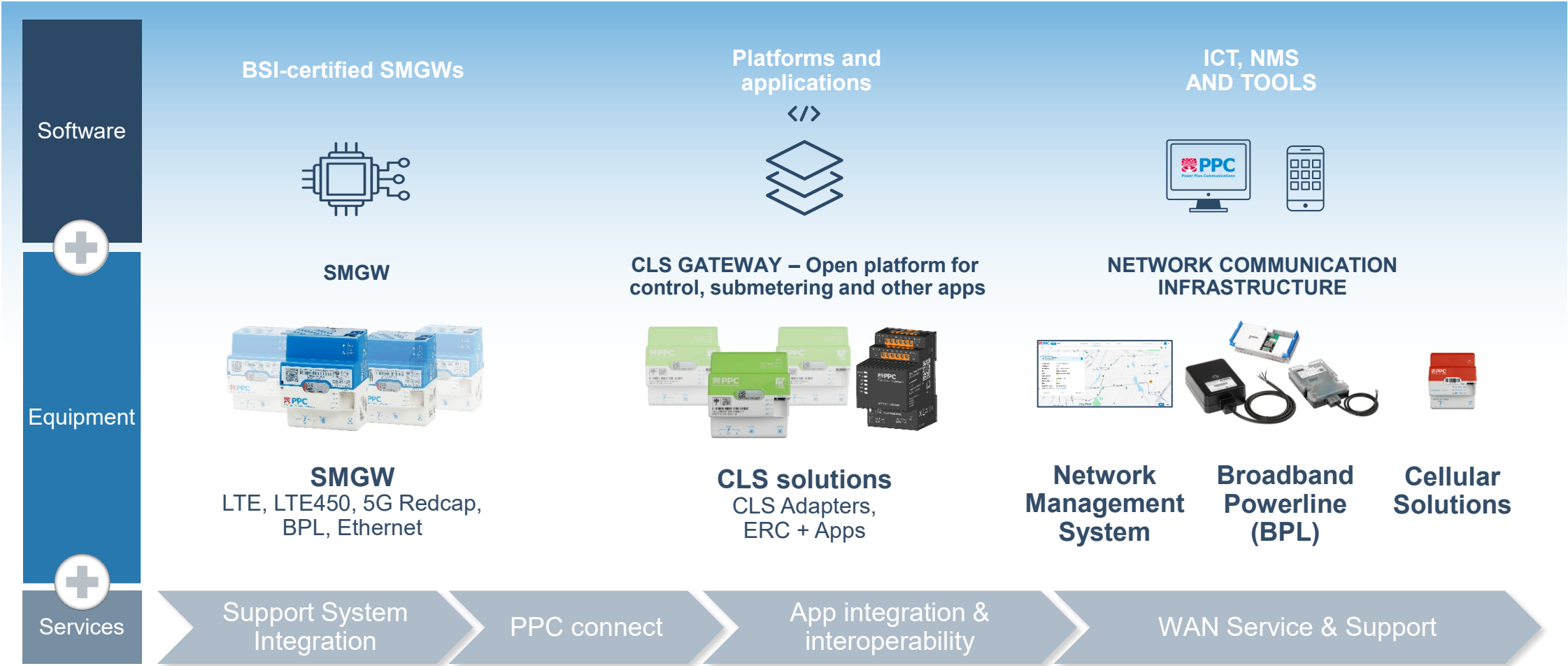


2001	PPC was founded as a subsidiary of a German utility: Promote BPL as internet access and to compete with classic telecoms
2001 – 2006	Deployment of BPL rollouts in Germany and Austria. Pioneering 5-year E-Energy project in Mannheim (MOMA) wins international attention
2006	Management Buy-Out to focus on communication solutions for utilities
2006 – 2015	BPL installations for utility communication around the world: Germany, Austria, Switzerland, Qatar, Morocco, South Africa, Djibouti
2012	Start of the development of a Smart Meter Gateway (SMGW) for Germany
2018	PPC is the first company to receive certification from the German government for its SMGW. Start of Smart Meter Roll-Out in Germany
2022	PPC chooses HD-PLC 4th generation (Nessum) for its next generation BPL technology
2024	PPC launches its Nessum product line
2025	Strategic decision to expand into Europe

Power Plus Communications AG

Smart and Secure at the Edge



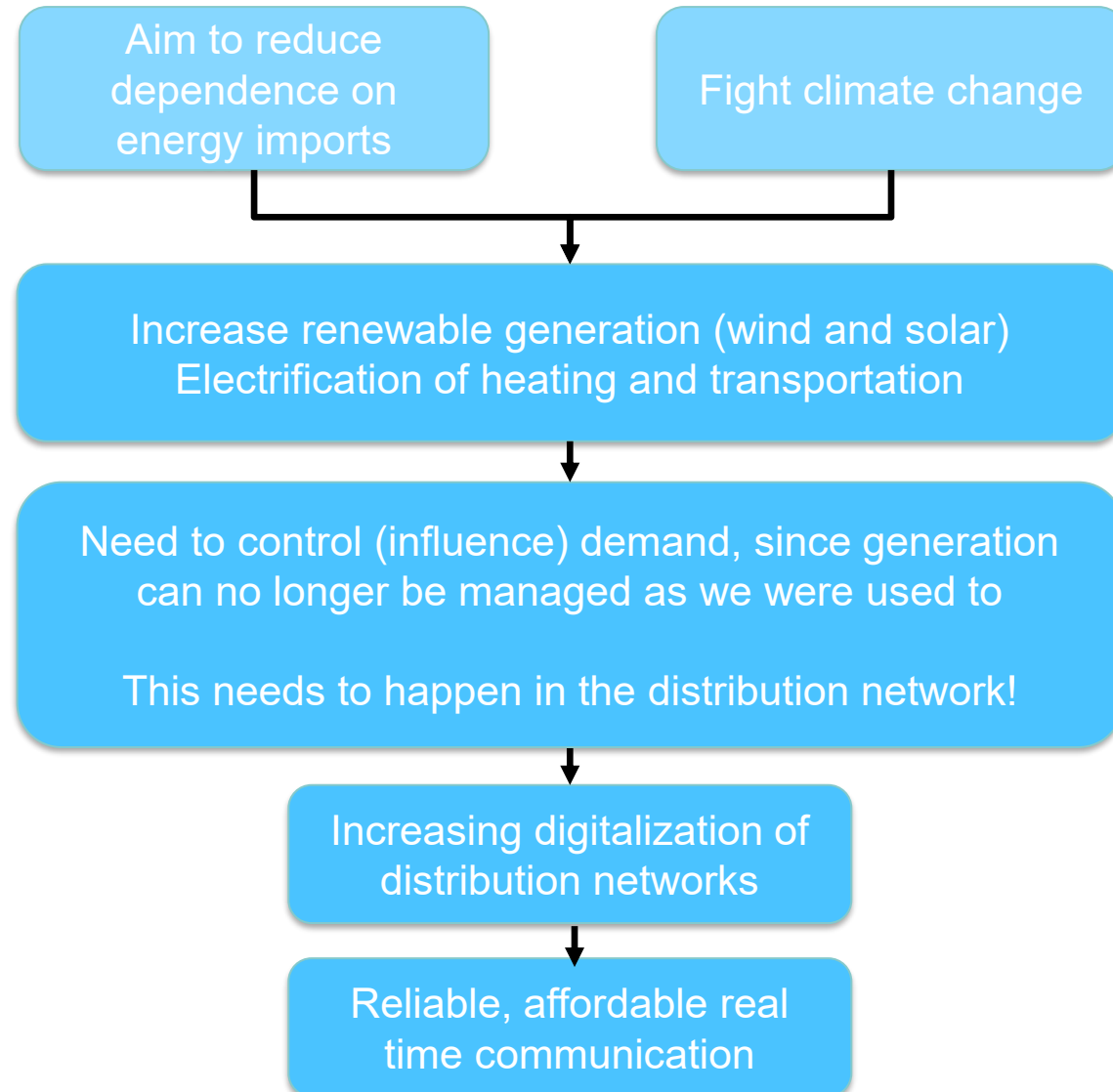


European Market and Market Drivers

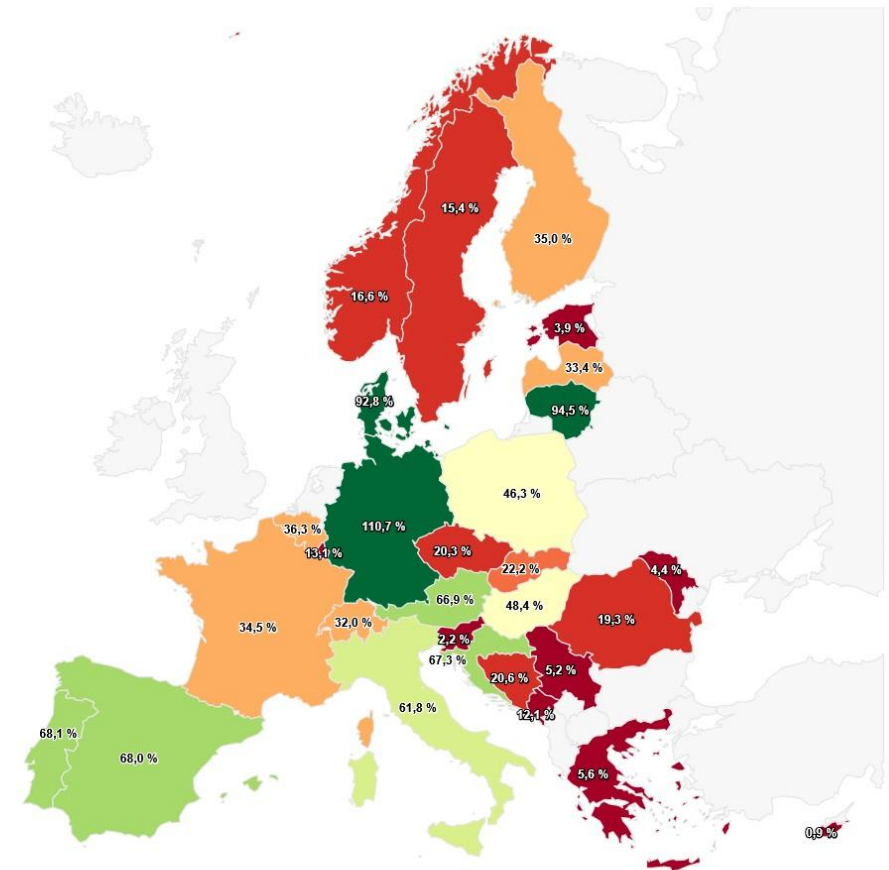


What are the main drivers in Europe

The chain of causality in future Smart Metering Systems



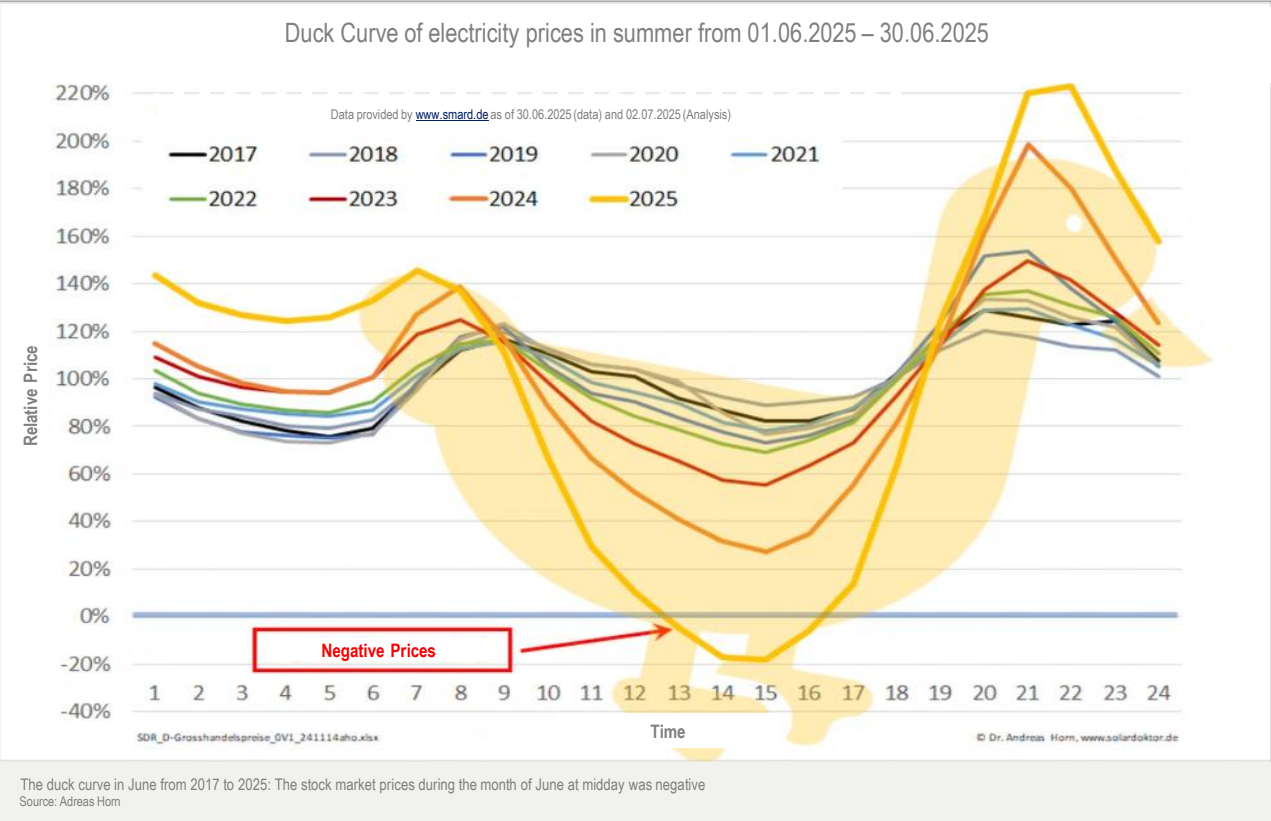
Renewable share of electricity load on 04.04.2026



Energy-Charts.info; Last Update: 04.04.2026, 17:16 MESZ

The challenge is real

In 2025 46% of electricity was generated by Wind and Solar in Germany



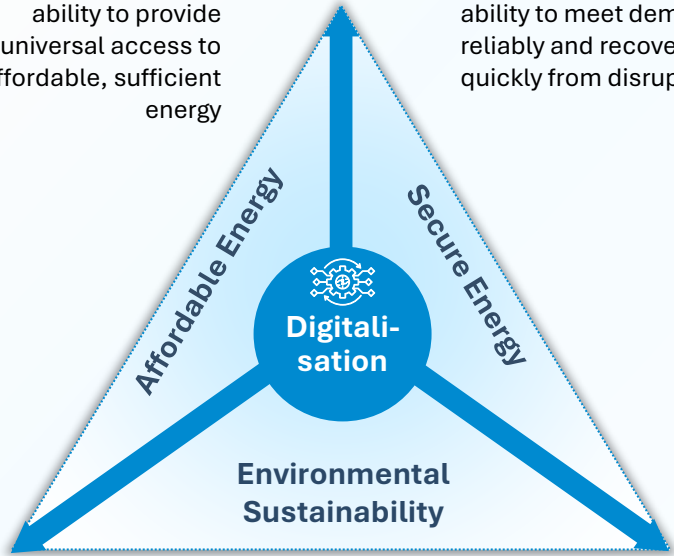
Affordability

Assesses the system's ability to provide universal access to affordable, sufficient energy



Resilience

Measures the system's ability to meet demand reliably and recover quickly from disruptions



Sustainability

Describes the shift to clean energy, reducing environmental harm and climate impacts

Nessum in the German Rollout



Why BPL?

PPC's point of view



Why BPL?

.... and others are of the same opinion

BET Consulting

Warum gerade alle über BPL sprechen:

1. Erstanbindungsquoten WAN von > 90 %
2. Geringere Kosten als öffentlicher Mobilfunk und LTE 450
3. Monteurszufriedenheit
4. Erreichbarkeit und Resilienz

Why is everyone talking about BPL right now?

1. WAN first-time connection rates of > 90%
2. Lower costs than public mobile networks and LTE 450
3. Loved by technicians, installers
4. Available and resilient



“There are substantial opportunities for digital technologies that support the integration of innovative renewable energy solutions into the grid.”

“Germany’s net zero vision is creating new business opportunities for international companies in the country’s energy transition.”



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Energy & Power / power line communication market



Power Line Communication Market Size, Share & Industry Analysis, By Offering (Hardware, Software, Services), By Application (Energy Management and Smart Grid, and Indoor Networking), By End-User (Residential, Commercial, and Industrial), and Regional Forecast, 2026-2034

Last Updated: June 01, 2026 | Format: PDF | Report ID: FBI114487

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Summary

TOC

Methodology

Advisory

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POWER LINE COMMUNICATION MARKET SIZE & FUTURE OUTLOOK

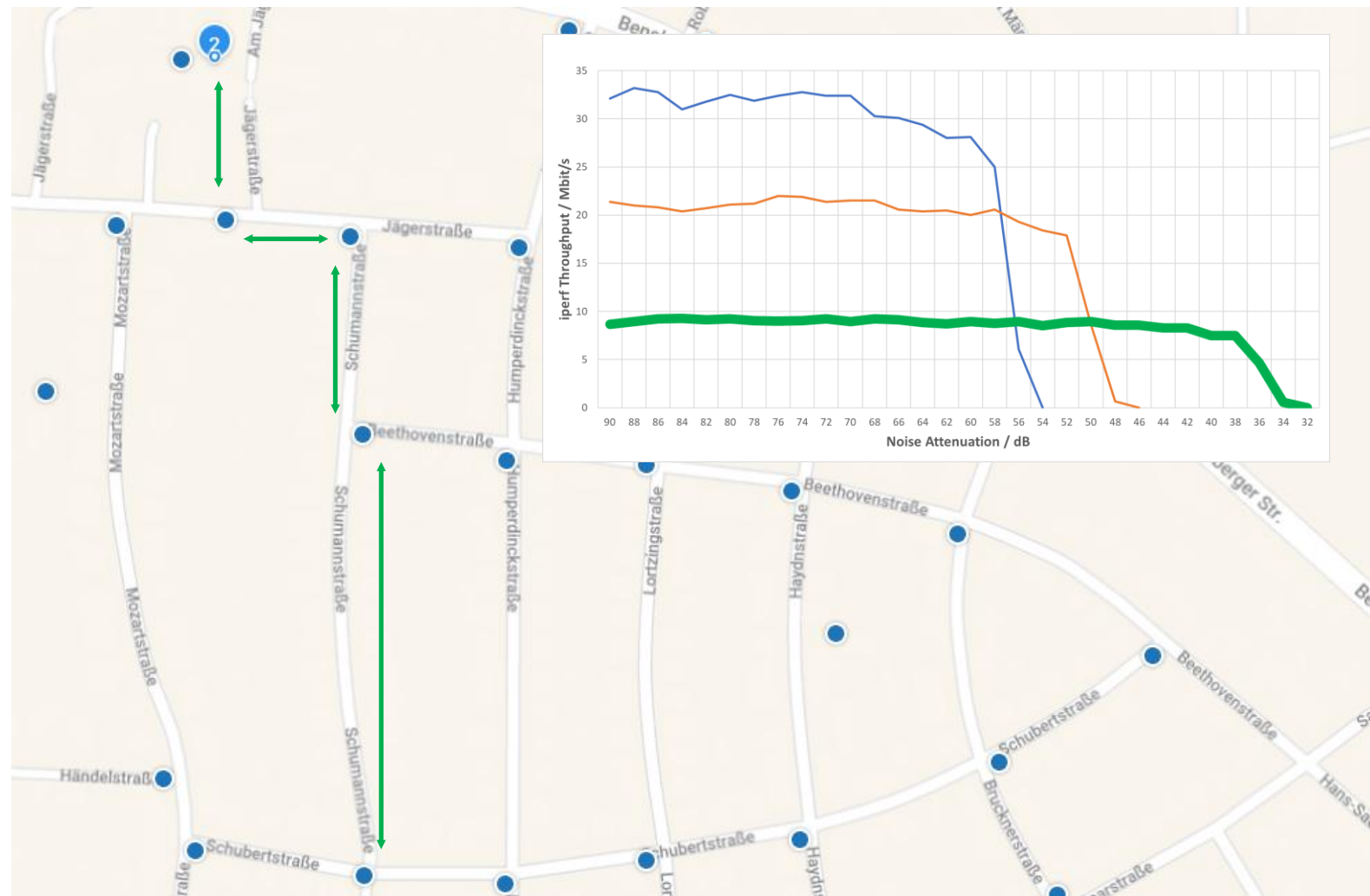
The global power line communication market size was valued at USD 11.66 billion in 2025. The market is projected to grow from USD 12.92 billion in 2026 to USD 29.35 billion by 2034, exhibiting a CAGR of 10.80% during the forecast period.



Why NESSUM? A communication network that grows with its tasks

Phase 1 with IEEE 1901-2020 Nessum Bandplans

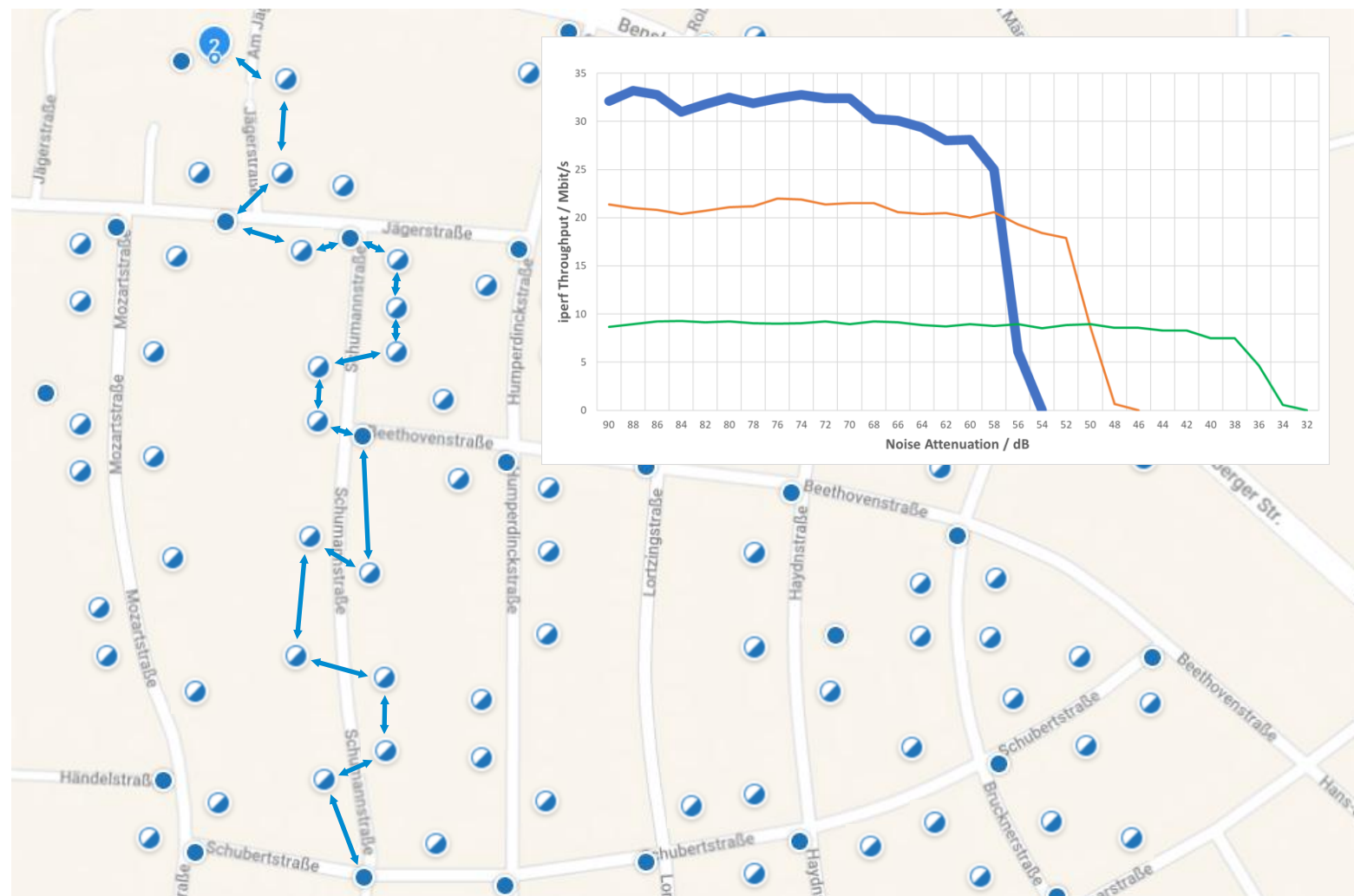
When rolling out infrastructure devices in transformer stations and street cabinets, X4 covers the long distances



Why NESSUM? A communication network that grows with its tasks

Phase 2 with IEEE 1901-2020 Nessum Bandplans

When more and more devices are installed, the need for sufficient throughput can be fulfilled by switching to X1



Conclusion: A Stage Set for Growth



Thank you! Any Questions?

Eugen Mayer
COO

e.mayer@ppc-ag.de



www.linkedin.com/in/eugen-mayer-ppc