



Digital Grid: Sustainable Power

Empowering the Energy Transition with
Smart Data-driven Connectivity.



A brief history of Time

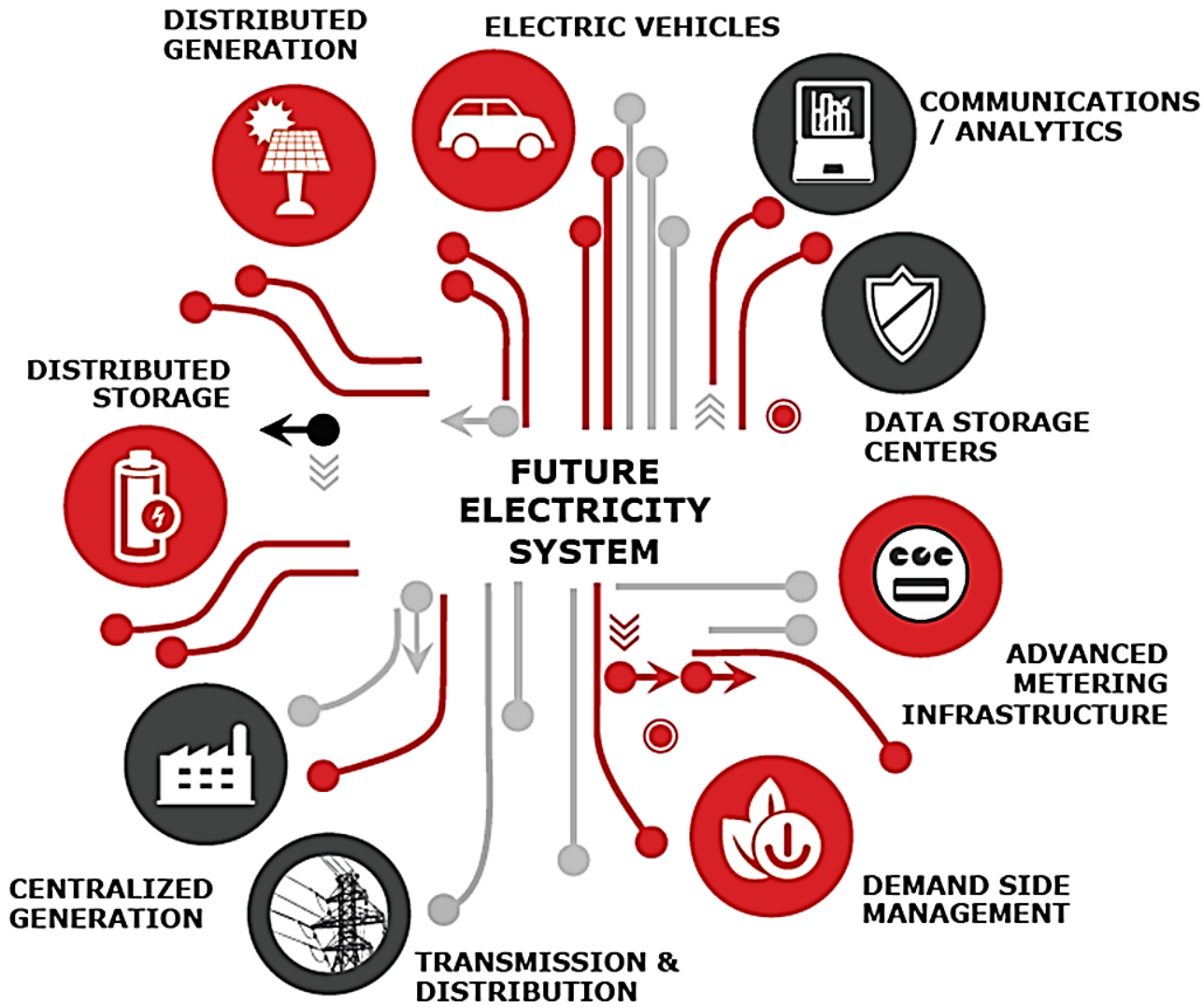
- 1987 Founded in Roermond, The Netherlands.
- 1997 Bausch becomes 100% in private Belgian capital
- 1988 – Pioneered electronic banking with Postbank (now ING).
- 2000 – Large industrial projects: Eandis, Prodata POS and Coca-Cola vending machines
- 2004–2007 – Major international contracts in France, Italy, Germany and the Netherlands
- 2011 – EV charging solution launched with eNovates/Shell
- 2018 – Bausch Datacom becomes part of Ritter Group
- 2022 – Launch IoT datalogger portfolio for SDI-12 sensors
- 2024 – Major contracts with Fluvius, expansion to Greece, Cyprus
- 2025 – Focus on cybersecurity certifications (NIS2, ISO 27001); business development in Africa





Vision and Mission

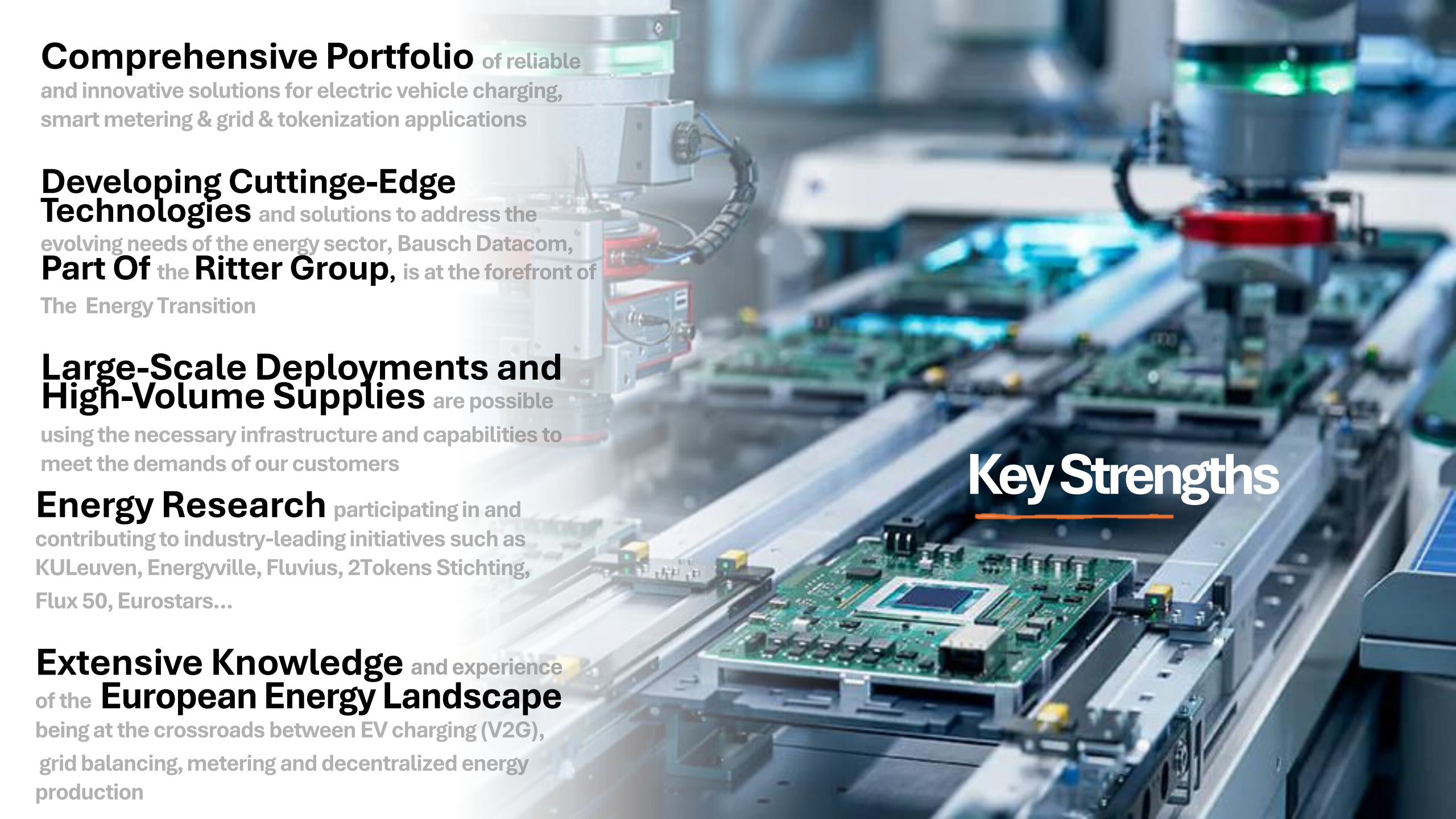
- Our hardware and software systems are conceived to enable the **Energy Transition** on all levels, be it in the Electricity Grid, Decentralized Energy Production, Metering or EV charging
- We develop reliable and innovative data communication solutions tailored to our clients' needs. All our products are developed out of a **long-life Security Vision**
- Whether it's smart metering, substation monitoring, IoT applications or tokenization of Energy, we stand for **Quality, Service, and Long-Term Partnerships.** We help you measure smarter, connect faster, and perform better!



Connecting Your World!

- Bausch Datacom is centered in the **Core of the New Energy Deal**, servicing all stakeholders and system demands for the transport of data

- We offer **Innovative Data Communication Solutions** for Smart Metering (Modems & Gateways), Smart Grid (Remote Terminal Units), EV Charging Infrastructure (Electronics), IoT sensor communication (Loggers) and decentralized (green) Energy Production



Comprehensive Portfolio of reliable and innovative solutions for electric vehicle charging, smart metering & grid & tokenization applications

Developing Cutting-Edge Technologies and solutions to address the evolving needs of the energy sector, Bausch Datacom, **Part Of the Ritter Group**, is at the forefront of The Energy Transition

Large-Scale Deployments and High-Volume Supplies are possible using the necessary infrastructure and capabilities to meet the demands of our customers

Energy Research participating in and contributing to industry-leading initiatives such as KULeuven, Energyville, Fluvius, 2Tokens Stichting, Flux 50, Eurostars...

Extensive Knowledge and experience of the **European Energy Landscape** being at the crossroads between EV charging (V2G), grid balancing, metering and decentralized energy production

Key Strengths



Core Technology Solutions

EV charging electronics and software

for charging infrastructure, including eRTU 2-7 series, eWall Boxes, and Public Chargers with Load Balancing capabilities

Metering Gateways and Modems

for industrial (56-110 kVA) and residential invoicing applications,

IoT loggers

for (real-time) data acquisition and remote monitoring of energy assets and consumption sensors

Remote Terminal Units (RTU's)

for MV-LV substations (10-36 kV / 400-230 V), enabling (real-time) data acquisition and remote monitoring

Energy Gateways and sensors

for decentralized production systems, with integrated trust anchors for energy tokenization and sharing

Device Management System – DEMAS

Configuration, Management and Asset system



Exceptional Team Unmatched expertise

Open and Vendor-Neutral Approach enabling interoperability and choice using generic protocols such as IEC 60870-5-104, IEC 61850, MQTT, Modbus, OCPP, ...

Certifications and Procedures for all Software and Hardware based on NIS2, ISO27001, 9001:2015 and IEC 62433

Tailor-Made Design offering modular and adaptable solutions for clients using both embedded C and Linux Open-Source SW and custom specific hardware

Crypto Anchoring - Blockchain Tokenization empowering clients to measure, finance and share their energy assets

Energy Companies and DSO's using our comprehensive hardware and software solutions

Support of **Decentralized Grid Owners and Operators** with smart grid and metering communication technologies

Energy Infrastructure Integrators of smart metering and energy management communication solutions

Key Markets

A photograph of a modern building at night, featuring large glass windows reflecting the interior lights and the dark sky. The building has a flat roof and a facade of dark panels and glass. The text 'Key Markets' is overlaid on the upper part of the image, underlined with a red line.

Partnerships

fluvius.

ORES
OPÉRATEUR DES RÉSEAUX GAZ & ÉLECTRICITÉ

Koenders Instruments
Slimme meetoplossingen voor waardevolle sensordata

KISTERS

Intrakat

telematica
sistemi

RITTER
TECHNOLOGIE

eNovates

HEDNO
HELLENIC ELECTRICITY DISTRIBUTION
NETWORK OPERATOR S.A.

SUNIFIED

ZAISAN

resa
Sibelga

ENEXIS
ENERGIE IN GOEDE BANEN

fudura

ISKRAEMECO

Itron

socomec
Innovative Power Solutions

Company Roadmap to a New Energy Deal!

