

“The value of innovation is measured by what it delivers.”

2022

In industry, the importance of artificial intelligence is growing rapidly. To remain competitive, companies need AI hardware and software as a service. The fact that these solutions have a high energy consumption is often forgotten. To sustainably address the change driven by AI, companies need the support of high performers.

The REBOTNIX Low Energy Datacenter provides this support in the form of a new generation of highly optimized and sustainable software and hardware.



Founder Gary Hilgemann / Software

REBOTNIX
LOW ENERGY DATACENTER



Founder Peter Simon / Hardware

“Electricity efficiency is the future.”

Up to 16 power- and space-saving GUSTAV nodes can be installed on one rentable Optimus unit. To build one optimus, server host several GUSTAV Edge devices.

Using the computing capacity generated by this system, companies can develop significantly faster and more cost-effective solutions. Companies can either use the available computing capacity themselves, or immediately use the models already available as a service.



Example of Optimus GPU rack. 196608 GPU CURES, 288 Gigabytes RAM.



**LOW ENERGY
IN EVERY STEP**



Performance Property at a Glance

REBOTNIX® Low Energy Data Center

The Low Energy Data Center portfolio delivers production-ready AI models as a service. These can be easily integrated into any corporate structure.

The distribution algorithm developed by REBOTNIX enables optimal load distribution between public or even private networks.

Up to 100,000
parallel requests
can be processed
per unit.

PRIVACY

Provides protection via a decentralized global Internet connection architecture.



“Clean cities through secure data.”

Powered by REBOTNIX® Low Energy Data Center

POTHOLE



WILD LANDFILLS



TRAFFIC SIGN



One of the first applications REBOTNIX has collected during the development of safe, efficient and sustainable AI solutions for cities. GUSTAV SMART CITY SOLUTIONS is a complete solution consisting of software, hardware for an image recognition application within a city. The system can be permanently installed on an existing waste collection vehicle. The system stores signs or markings relevant for waste disposal. Faces or license plates are reliably rendered unrecognizable.

All relevant data is recorded and securely processed directly in the vehicle. At the end of the day, the system transmits the results to the interfaces of a commercial enterprise. Municipalities thus receive daily updates on road conditions, traffic signs, road works or traffic reports at hot spots. The system considerably relieves the dispatchers of a business operation. All models are developed by the REBOTNIX Low Energy Data Center and continuously optimized with sustainability in mind.

Since 2016, REBOTNIX has been one of four officially certified partners of the US corporation NVIDIA™, the world market leader for powerful AI processors and provider of a GUSTAV system, located in Germany.

“Further services in REBOTNIX Data Center”



VOICESURFER

Automatically translates an audio track in any video file into up to 16 languages. An AI-based interpreter with a virtual sound studio becomes a reality.

[HTTPS://VOICESURFER.COM](https://voicesurfer.com)



PRIVACY

Anonymizes reliably and cost-efficiently any face or license plate number automatically. This turns a camera into a DSGVO-compliant and secure sensor in public spaces.

ON-PREMISE ONLY OR PRIVATE CLOUD



VISIONTOOLS

Is a software for the creation and simulation of high quality AI models. The software is able to capture the real CO2 consumption in relation to the energy cost and accuracy of the particular AI model.

[HTTPS://REBOTNIX.COM/VISIONTOOLS](https://rebotnix.com/visiontools)

“Network effects through digital platforms”

REBOTNIX® Low Energy Data Center

Digital platforms are much more than just social media. Of the ten most valuable companies in the world, seven are digital platforms. All of these companies are located outside Europe. They are search engines, media and communications platforms, and cloud applications for industry. They all have the unification of data with services in common.

REBOTNIX Low Energy Datacenter provides digital platforms, low-cost cloud computing that can be used cost-effectively by all industries such as retail, logistics, energy, smart city and others.

Companies can also build their own platform using the REBOTNIX Low Energy Datacenter tools.

Healthcare



Energy & Mining



Retail



Factory



Agriculture



Smart cities



“To the point”

The REBOTNIX® Low Energy Datacenter offers



- Companies that need hardware, software and the necessary expertise for efficient, CO2-saving and secure AI solutions.
- Credibility and trustworthiness through over 100 successfully implemented projects.
- Faster and more cost-effective solutions supported by innovative technology.
- Future potential through digital platforms.
- Prospects for Europe and Germany on the international AI market.



[HTTPS://REBOTNIX.COM/DATACENTER](https://rebotnix.com/datacenter)