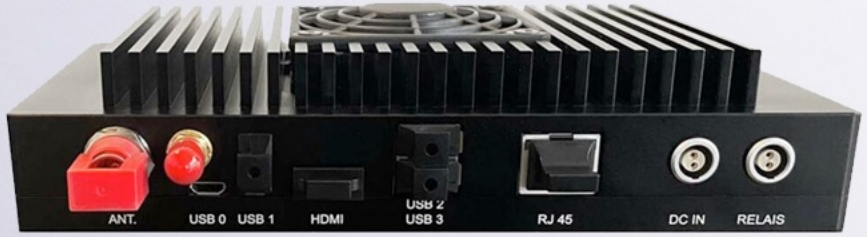
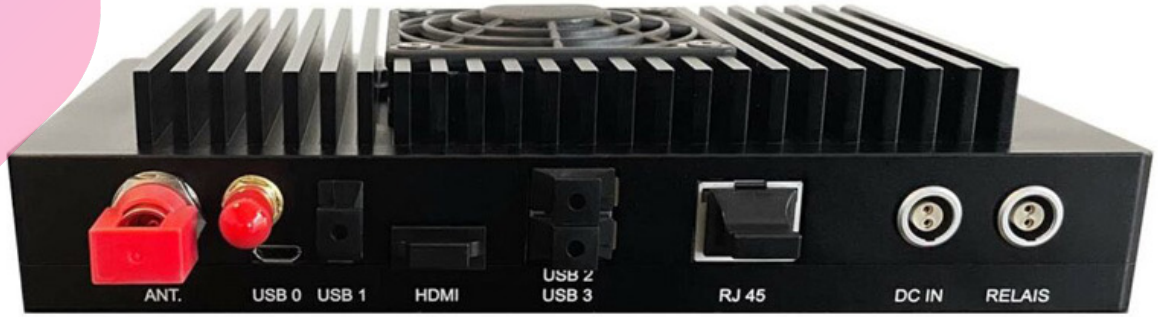
REBOTNIX PRODUCT CATALOG

2022



GUSTAV SMART CITY

REBOTNIX INDUSTRIAL SOLUTIONS



Antenna
Micro USB programmable USB
4 HDMI
USB Ports
RJ-45 Gigabit
12-48 Volt Input
Vehicle Communication

SKU

GUSTAV 8 GB VERSION/ SKU: RB-SMART-CITY 8GB
GUSTAV 16 GB VERSION/ SKU: RB-SMART-CITY 16GB

OPTIONS:
USB HUB (ALL USB PORTS ARE CONNECTED OVER A HUB CHIP)
DIRECT GPU (ONE NATIVE USB PORT, 2 x USB 2.0)

NVIDIA PREFERRED PARTNER

ARM®

Features

- NVIDIA® Jetson NX Xavier™ SOM
- ARM64 CPU & NVIDIA Volts 384 & 48 (Tensor) Cores
- 8 or 16 GB RAM version
- Option USB ONE: 3 x USB 3 connectors (hub version)
- Option USB TWO: 1 x USB 3 connector (directly to GPU)
  + 2 x USB 2 for accesorries like keyboard or GPU
- 1 x Lemo 12-48 volts input
- HDMI 2.0 output
- 1 x RJ-45 Ethernet (Gigabit)
- Active cooling (silent Fan)
- 1 Microcontrollers for quickflash & relay on/off control
- W:180mm H:42mm D:110mm
- Driver NVIDIA Jetpack support 4.6.2 or higher
- Lifetime January 2026

Optional

- 500 GB – 2 Terabytes SSD (internal)
- Several GPS, Camera options

LOW ENERGY
IN EVERY STEP

GUSTAV MEDIA

REBOTNIX INDUSTRIAL SOLUTIONS

EDGE DEVICE / SKU: RB-MEDIA

Features

- NVIDIA® Jetson AGX Xavier™ SOM
- ARM64 CPU & NVIDIA Volta 512 & 64 Tensor (Cores)
- 32 (AGX) gigabytes of RAM
- 2 x USB 3.x connectors
- Lemo 12-24 volts input
- HDMI 2.0
- 2 x RJ-45 Ethernet (both gigabit)
- 250 GB SSD (M2) included
- Half rack of a 19´unit
- Active cooling
- W: 42mm H:43.5mm D:220mm
- Lifetime January 2025

Optional

- 500 GB – 2 Terabytes SSD (internal)
- Internal Mobile Network Modem
- 100% Driver jetpack support (without patch)

NVIDIA PREFERRED PARTNER ARM®

GUSTAV TX2 NX

REBOTNIX INDUSTRIAL SOLUTIONS

EDGE DEVICE / SKU: RB-TX2NX

Features

- NVIDIA® Jetson TX2™ NX SOM
- ARM64 CPU & NVIDIA Volta GPU 256 Cores
- 4 Gigabytes of RAM
- 3 x USB 3.x connectors
- Lemo 12 volts input
- Wifi 2.4 GhZ internal / RJ-45 ethernet (gigabit)
- HDMI 2.0
- 250 GB SSD (M2) included
- Full black CNC aluminium case
- Active cooling
- W:130mm H:41mm D:110mm
- Lifetime February 2026

Optional

- 500 GB – 2 Terabytes SSD (internal)
- LTE or 5G Modem options
- 100% Driver Jetpack support (without patch)

NVIDIA PREFERRED PARTNER

ARM®

LOW ENERGY
IN EVERY STEP

GUSTAV NX

REBOTNIX
INDUSTRIAL SOLUTIONS

EDGE DEVICE / SKU: RB-NX

Features

- NVIDIA® Jetson Xavier™ NX SOM
- ARM64 CPU & NVIDIA Volta GPU 384 & 48 Tensor Cores
- 8 Gigabytes of RAM
- 3 x USB 3.x connectors (USB hub)
- Lemo 12 volts input
- Wifi 2.4 GhZ internal / RJ-45 ethernet (gigabit)
- HDMI 2.0
- 250 GB SSD (M2) included
- Full black CNC aluminium case
- Active cooling
- W:130mm H:41mm D:110mm
- Lifetime January 2026

Optional

- 500 GB – 2 Terabytes SSD (internal)
- LTE or 5G Modem options
- 100% Driver Jetpack support (without patch)

NVIDIA PREFERRED PARTNER

ARM®

LOW ENERGY
IN EVERY STEP

GUSTAV AGX ORIN (32 GB)

REBOTNIX INDUSTRIAL SOLUTIONS

EDGE DEVICE / SKU: RB-AGX-ORN32

Features

- NVIDIA® Jetson AGX ORIN™ SOM
- 8 x ARM64 CPU & 1792 CUDA & 56 Tensor-Cores
- 32 GB / Gigabytes of RAM (shared memory)
- 2 x USB 3.x connectors
- 1x 12 Volts input with lemo Connector
- 1 x HDMI 2.1 Output
- 2 x RJ-45 Ethernet (both gigabit)
- 128 – 2.000 GB SSD (M2) included mounted (optional)
- Active cooling
- Supercap 200 mF
- Quickflash for all NVIDIA Jetpack SDK
- W: 42mm H:43.5mm D:220mm
- Optional RS232 | RS485 | CAN-BUS

Optional

- 500 GB – 2 Terabytes SSD (internal)
- LTE or 5G Modem options
- 100% Driver Jetpack support (without patch)

NVIDIA PREFERRED PARTNER ARM®

LOW ENERGY IN EVERY STEP

GUSTAV AGX

EDGE DEVICE / SKU: RB-AGX32

Features

- NVIDIA® Jetson AGX Xavier™ SOM
- ARM64 CPU & NVIDIA Volts GPU 512 & 64 (Tensor) Cores
- 32 Gigabytes of RAM
- 2 x USB 3.x connectors
- Lemo 12-24 volts input
- HDMI 2.0
- 2 x RJ-45 Ethernet
- 128 – 2.000 GB SSD (M2) included mounted (optional)
- Full black CNC aluminium case
- Active cooling
- W: 170mm H:62mm D:160mm
- Lifetime January 2025

Optional

- 500 GB – 2 Terabytes SSD (internal)
- LTE or 5G Modem options
- 100% Driver Jetpack support (without patch)

NVIDIA PREFERRED PARTNER ARM

LOW ENERGY
IN EVERY STEP

GUSTAV QUADRO

REBOTNIX INDUSTRIAL SOLUTIONS

EDGE DEVICE / SKU: RB-4NX

ARM64 based Low Energy Server

Features

- REBOTNIX custom motherboard development
- Up to 4 x NVIDIA® Xavier™ NX GPU´S
- ARM64 CPU & NVIDIA Volta GPU 384 & 48 tensor Cores
- 8 or 16 GB Gigabytes for CPU & GPU for each module
- 1 x USB 2., 1 x HDMI (both for debugging console)
- Up to 4 x 2000 GB SSD (M2 with 4 lanes) for one board
- Active cooling
- Dynamic power control between 10-20 watt per module
- 1HE (19´) depth:250mm
- Lifetime till 2028
- REBOTNIX CV3 Operating Image (Linux Kernel)
- Hardware virtualization & remote recovery
- 24 Volt (internal power amplifier)

NVIDIA PREFERRED PARTNER ARM

LOW ENERGY
IN EVERY STEP

REBOTNIX
INDUSTRIAL SOLUTIONS

GUSTAV SERVER

REBOTNIX TRAINING SERVER X86 / 64 BIT / SKU: RB-DESKTOP

Features

- NVIDIA® PNY Ampere A100-40GB PCIe 4.0
- RTX or A100 cards are possible
- 64 Gigabyte Server Server RAM
- 2 x Gigabit network cards
- 16 Terabytes SSD drives
- All CUDA drivers pre-installed
- Latest NVIDIA® SDK for deep Learning
- X86 / 64 Bit Ubuntu OS
- 2 x Intel Xeon CPU

Ideal Solutions

AI Training with REBOTNIX® VISIONTOOLS

REBOTNIX SENSORS &COMMUNICATIONS

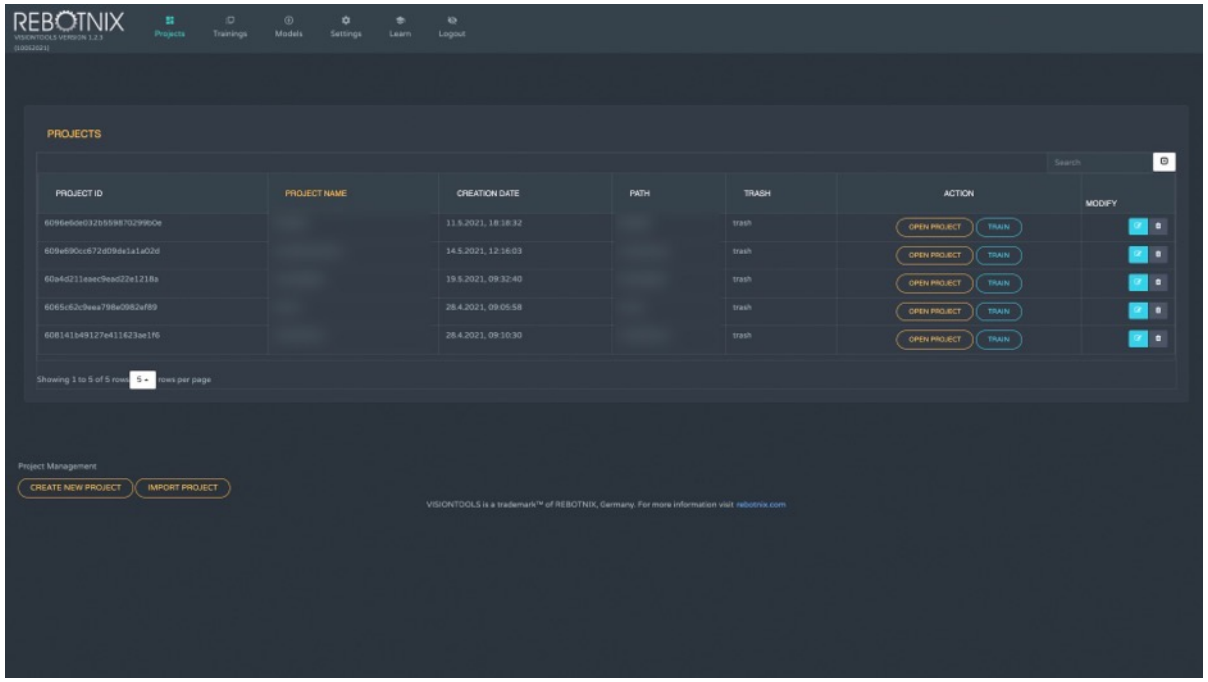
REBOTNIX CAMERAS

Features

- Several POE (Power over ethernet) cameras
- IP Cameras (H.264 & H.265)
- Capturing support for all GUSTAV edge devices
- Standard & industrial GPS
- RTK GPS Station cloud service
- RTK Industrial high accuracy GPS
- LTE or 5G industrial modems
- All external components & drivers on requests

VISIONTOOLS

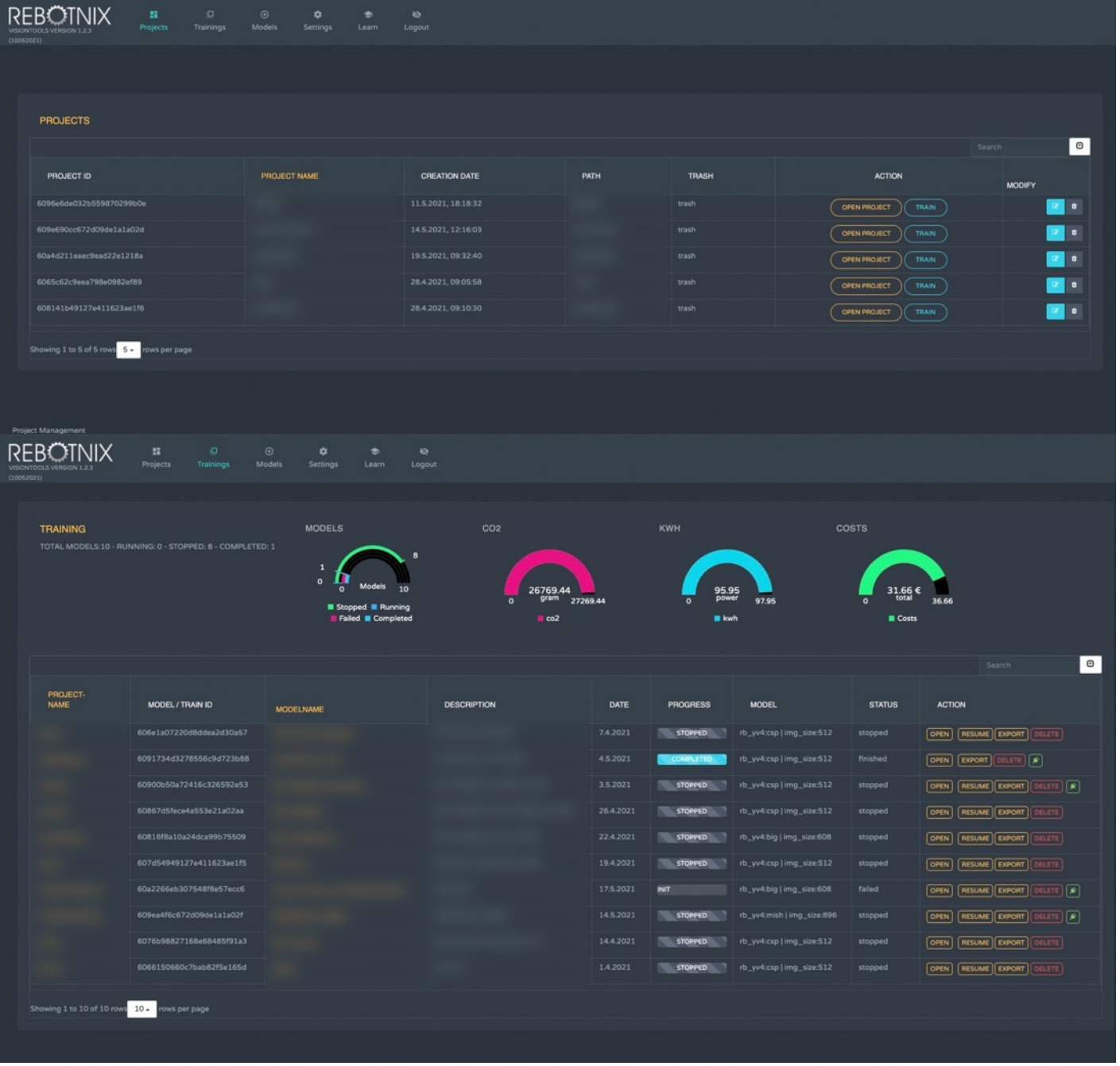
REBOTNIX® VISIONTOOLS FOR HPC / HIGH PERFORMANCE COMPUTING



VISIONTOOLS VISIONTOOLS HPC was developed for the use of supercomputers. Several hundred GPU's can use Visiontools individually or in a group. Our goal was to use the supercomputers that are still needed today to train high performance AI models only until the training is done. Then we optimize the models so that they can be run on the most energy-efficient machines in the world, our GUSTAV embedded devices.

REBOTNIX® VISIONTOOLS is a multiuser application for creating a complete plattforms for AI driven based plattforms. The software allows the management of projects millions of datasets, state of the art AI models and multi-client capability. Users can train and transform their own local dataset into powerful models without one line of coding. They can work together on in a internal model, test models on images or videos, regardless of their location or network (VPN, 3G, 4G, or 5G). In addition, there is a multi-tenancy capability to distribute individual users with rights to different projects.

LOW ENERGY
IN EVERY STEP



VISIONTOOLS

REBOTNIX®

Features

- Project & management for planning, training and deployment
- Labeling-Tool for images & videos
- Train unlimited models on GPU
- Internal AI modelstore
- Inferencing unlimited models
- Export models to edge computing devices
- Encryption of exported models
- CO2 and power consuming modules
- Works on X86 or ARM (both 64 Bit) systems
- Perfect for object detection & segmentation
- REBOTNIX export to REBOTNIX inference engine
- Runs on ARM / NVIDIA Jetson edge devices (AGX or ORIN AGX)
- INT8, FP16 or FP32 support
- As cloud or onPremise
- Autolabeling or supervised clustering of unstructed images
- Image augumentation

Learn more

https://rebotnix.com/visiontools

NVIDIA PREFERRED PARTNER ARM®

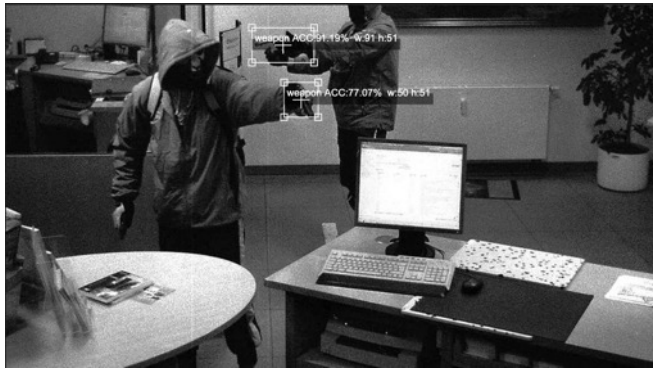
PRODUCTION READY AI MODELS

PRODUCTION-READY MODELS PRE-TRAINED WITH MILLIONS OF CUSTOM DATASETS

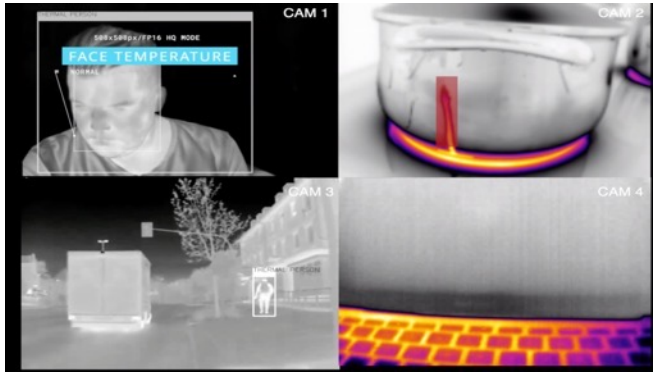
PRIVACY FOR EVERY FACE OR PERSON

DETECT EVERY LICENSEPLATE

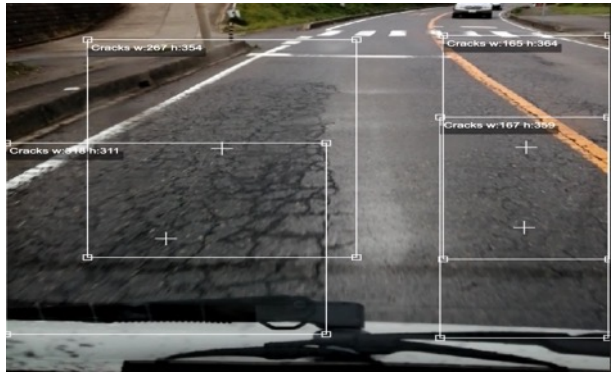
INTELLIGENT FIRE DETECTION



RECOGNIZES THE USE OF WEAPON



DETECT OBJECTS BY NIGHT



SMART CITY / ROAD CONDITION

LOW ENERGY IN EVERY STEP

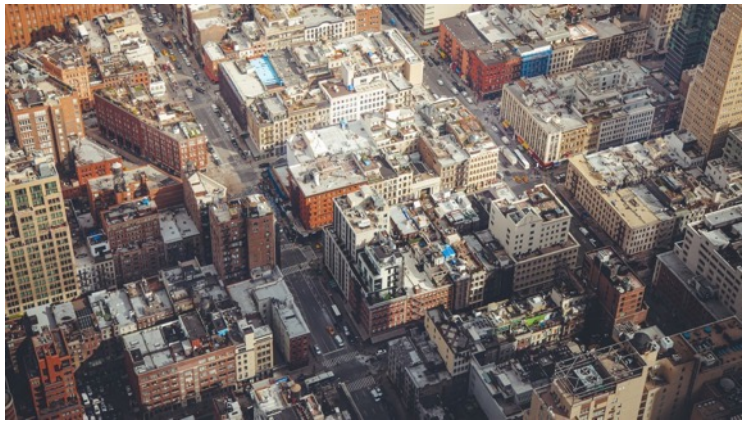
USE CASES

REBOTNIX
INDUSTRIAL SOLUTIONS

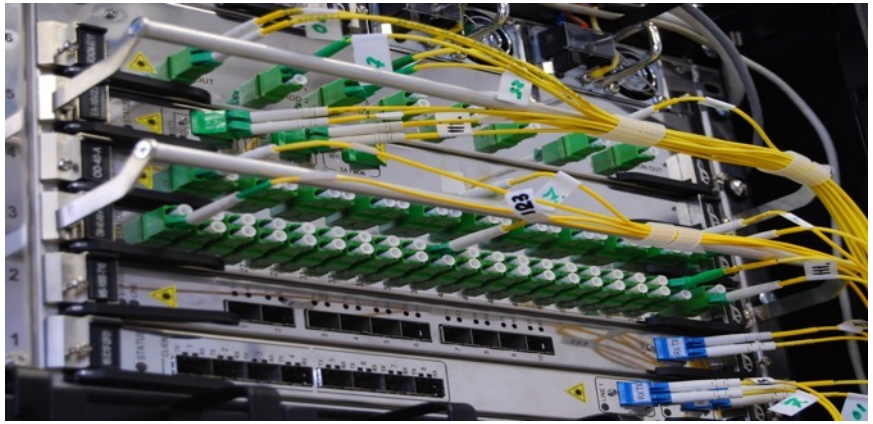
OUR READY TO GO PLATFORMS, BASED ON OUR SOFT- AND HARDWARE TECHNOLOGY

MONITORING & AUTOMATION OF INDUSTRIAL PLANTS

WE CONVERT VEHICLES TO DATA SUPPLIERS



WE CONVERT CAMERAS TO SENSORS



WE CONNECT NETWORKS THROUGH FAST META DATA TRANSFER

LOW ENERGY
IN EVERY STEP

REBOTNIX

INDUSTRIAL SOLUTIONS

HTTPS://REBOTNIX.COM