LOW-POWER DATA ANALYTICS FOR SMART CITY SOLUTIONS

“The smart-city overall solution from REBOTNIX makes it possible to reliably record a comparison of visual events combined with intelligent sensor data protection all processed directly in the edge system. Companies can optimize their own processes or to open up a new business field with the highest efficiency and lowest power.”

— Gary Hilgemann, CEO, REBOTNIX

Gustav Smart City Solutions

REBOTNIX offers a complete solution of hardware, software like AI Model building, in-house labeling, training machines, and sensors. The total solution provides a complete platform for the customers that lets them build their data models economically.

NVIDIA Platform

We see NVIDIA not as a product vendor, but as a platform vendor. The combined development of hardware and software enables companies like REBOTNIX to develop products quickly, and we can be confident that we will get the best support and lifetime of several years. This gives us the investment protection we need.

REBOTNIX Results

The result of this solution is a scalable product that can be applied to all industry sectors of smart city business sectors. The customer can easily build and scale their business model with this system.

We can help companies with vehicles run their own cost-effective data fleet — from one vehicle to an infinite number of vehicles. Each vehicle can have different daily jobs and be an independent intelligence. The reduction in costs stem from each vehicle being a data center on wheels. Training data is collected in one day, in accordance with the highest data protection.
standards, then the conditions over a road information and billboard recognition are recorded over the next few days. Real-time congestion measurement data can be transmitted, and an ample list of other measurement criterias can be met.

For the automotive industry, REBOTNIX can test hundreds of miles of models or generate training data like Tesla does with their customers with installed cameras. All image pre-processing is done directly on the edge device, without the need for the cloud. Even the retraining of new models is possible on the device over night or in a cluster (vehicle to vehicle).

The business impact is a new business model—the intelligent data fleet. For example, a company that previously removed only household waste will become a data supplier tomorrow.

About REBOTNIX www.rebotnix.com

REBOTNIX focuses in the area of end products in connection with software and hardware for the industrial sector from the field of manufacturing and global visual computing. The main focus is the visual acquisition of data, but also the merging of this data with all other possible sources like sensors and machines. We see the use of artificial intelligence as a tool that has to be in harmony with many other components. REBOTNIX offers software and hardware from one source and has a stable partner network with all major industry partners worldwide to provide the customer with a complete system.

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