



Professional Core Team Premium & Innovative USP Patentable & Scalable Solutions

Company Focus

The company semantic system ag develops a new cross-sector technology which can be applied in various sectors such as the ICT or the industry. This new technology has vast scaling and sales potential.

The new technology runs on a software basis or as a chip solution at enormous speed. Furthermore, the hardware chip produces almost no heat. The chip can be deployed for complex computing, such as pattern and speech recognition or information analyses. It is possible to run on chip complex thought processes in any data and information. The chip processes data completely semiotically and language independently. Both hardware and software solutions can be combined with any existing logic (programs, solutions, applications).

Biologically Inspired Intelligence (Thought Processes)

There is an optimal guide to build a genuinely intelligent computer system: Nature, more precisely the human. For example, we deem a human as intelligent, if he or she displays the ability to think. To reproduce the ability to think in a computer, and, if the results have to be compatible with the results of a human, then we have to construct the most compatible system as possible.

Components of The Biologically Inspired Intelligence

First, the human requires sensors. By means of the sensors a human acquires data, information. At present and for our scope we limit ourselves to just on sense, the eye. With the eye we can acquire the following data areas: Image information (still and moving), measured data, unstructured text and structured information (tables, databases etc.).

Further sensors such as audio, speech, olfactory, taste, etc. will follow.

Comparison: Human | ai-one™ Retina

Human



ai-one™ System



ai-one™ Retina Applications

The potential for applications is vast. The (seeing) human perceives a large portion of the world through his eyes. The brain then processes these images to structures and information. However, we do not grasp the world merely by "seeing". Only when the brain processes what was perceived, can we utilize what was seen. So, to "correctly see", learning, experience and knowledge are required too.

If we want to construct an artificial system with the same abilities as a human, we have to ensure, that the system is equipped with the same components and features.

Contrary to the medicine we do not want to create an artificial eye that replaces the natural one and that should be implanted in a human. We aspire to build an artificial eye, with which we can view the same like a human and with which we will see and recognize the same like a human. Our digital eye shall function just as a biological, human eye.

Industry

So we could facilitate, complement or even replace elaborate processes with our ai-one™ eye in the industry and in life. Especially in 7/24 surveillance (biometrics, forensics, security, etc.) this would make a formidable progress possible. It would also imply a tremendous advantage in quality, process and traffic control, etc.

Life

Suppose, the digital retina sees and recognizes the same like a human eye, then we have laid the foundation for the subsequent thought processes of ai-one™ to also arrive to the same results like the human brain.

The First Step Has Been Taken

Our technology has opened new possibilities. The coming years will show what can be accomplished with the new technology. Several new goods are in production and will be commercialized soon and deployed in different sectors.