ESSI is a humanoid robot with abilities to see, talk and hear. He interacts with humans in a natural way and he never stops learning. He is a pretty clever colleague - but he would be nothing without the cognitive computer system technology. That is why we say: ESSI is powered by Artificial Inteligence Services.

Initially, the end game of the Essilor Virtual Agent work was to demonstrate the accessibility and power of Cognitive system through the cloud-based platform. To this end, I buyed this robot for research and work with. In 3 months, I and my technical/coding experience were able to teach a robot to be able to introduce a visual therapy game for children - a demonstration of how accessible/impressive the artificial inteligence really is.

As part of our further work with Essi I now leverage numerous Cloud services. These services include the Visual Recognition, Natural Language Classifier (NLC), Speech to Text, and Personality Insights services. The robot program that I am written now enables a person to control the robot verbally.

1. The user speaks to the robot and Speech to Text takes the audio data and converts it to text.

2. This text is analysed by an instance of NLC, which we have trained to recognise a number of intents.

3. These intents are mapped to responses, which the robot then speaks or acts out.

4. You can ask the robot to identify an image that you place in front of it - a printed picture or picture on a tablet/smart phone work fine.