

# World Congress on Industrial Automation

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## PLC replacement in industrial automation

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Since the beginning of Industrial Automation until today, machineries are all controlled with PLCs (Programmable Logic Controller). Automation is still one of the most expensive tasks for every company. Inspike has developed a new electronic device called Plexus which is able to replace the old PLC system. Inspike has created an intelligent I/O system, open source, web based, waterproof device, able to save time and money to those need to automate processes and industrial machineries. The presentation will explain how Plexus can make automation processes much easier and cheaper applying modern IT solutions in Industrial Applications.

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## Control unit for an artificial, subjective, autopoietic systems (Could be a brain for an artificial system)

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Live organisms are able to dealing with the World in all its variety and face unlimited, ever changing situations. It would seem that there without programmers not to manage, but live creatures are able to. Strangely enough, the modern science has not developed the factual understanding of the functions, which a brain is playing in our body. Widely spread beliefs in ability of a brain to process the information, related to the events in an environment, has no factual support.

You could judge by yourself; if the sense organs have no information on the reasons of occurrence of the irritating factors, how they can transfer the information about these reasons to a brain?

For example, the source of patterns of the air pressure cannot be directly known to ears, and we are will be unable to read, if the process of reading will depend directly on signals from the eyes, because we are will be able to perceive only amarked paper, instead of meaning.

These obvious facts are knocking the bottom out of feet of cognitivistic and AI, all together.

Subjective reflection of events, in a world around, is allowing live organisms to form a behavior, which is aimed on preservation of their existence and allows them to solve creative problems.

Having of the artificial subjective systems has meaning of having an artificial subject, or, in other words, artificial person.

As the result, we could have the artificial subjective autopoietic systems capable to accrue a professional skill, like people can do, and perform some duties on a professional level.

All these can be achieved without needs in special programming for each separate group of problems because the proposed systems will be able of working as the professional personnel.

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