

PRESSRELEASE

about new electronic controls in modern conveyor systems

Title suggestions:

"It's amazing how small and simple a control system works for very large conveyor systems."

"Conveyor systems controlled autonomously? Yes, quite simply for very large or small systems. "

"Do you still need a central control cabinet? You save approx. 20 to 30% of a logistics system!"

"Did you know how you can save over 60% installation and programming costs?"

Avancon SA in Switzerland is a young, dynamic company with many new ideas for modern conveyor systems. For this purpose, they have developed a simple and very efficient control system, with which even large and complex material flow systems in logistics and in e-commerce systems have been controlled, – fully automatically and autonomously. This sophisticated, very reliable control is easy to install. In addition, it brings high cost savings for the system integrator as well as for the operator of such systems. Communication with higher IT / bus infrastructure is possible without any problems.

"I love Nadine. She is cute and she always surprises me. Nadine is a "humanoid" robot. As with a person, I never know how she will answer my question. She has a huge amount of data available and is looking for what best fits the question. We gave her a model of emotions and moods. When I talk to her nicely, she reacts differently than when I say: "You are ugly." Then she is offended. » (...)

Nadine is a computer, or rather a robot that has become human, and she can see and hear – with cameras behind her eyes and microphones. When I speak to her she turns her head and looks into my eyes (...)"



IMAGE 1, Nadine Robot and Professor Nadia Magnenat

Quelle:
http://www.beobachter.ch/konsum/artikel/doppelgaenger_der-menschgewordene-roboter/

With electronics, people are now almost able to create their own image, which is also equipped with 'artificial intelligence'.

Material flow systems in internal logistics and distribution centers can also be controlled electronically today, simply, fully automatically and autonomously.

Did you know that the installation and programming of the control elements, according to the AS international association, can save over 60% in complex systems? - In addition, the investment costs of a system without a central control cabinet, without cable channels and without cable laying are 20% to 30% cheaper! - And last but not least, the operator saves between 30% and 84% energy! - At least that's what claims Avancon SA in Switzerland.



Even tools are no longer required. In a so-called "click-and-go" principle the control boxes are pressed in and secured with a slide. (Figure 2). Tools are also no longer required.

The Avancon delivers a modular conveyor system with a modern, streamlined design and high efficiency, which is always controlled in zones and in which all electronic elements are only snapped in and the whole - whether huge or small - controls itself autonomously.



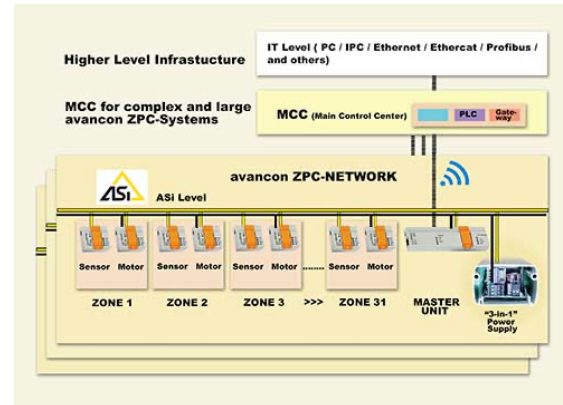
"The advantages are obvious," says the technical manager, Dr. Daniele Gambetta, "quick and easy installation and maintenance, invisibly installed elements in a completely closed profile frame made of fine, silky smooth anodized aluminum, good and easy to implement communication with higher bus / IT systems and high cost savings. In addition, our controls were IP54 certified in the built-in and closed profile."

Are you still screwing your control boxes onto the profiles? Do you know what a screw cost? (The automotive industry charges approx. 2 EURO per screw!)

The patented design of the aluminum profiles with all its components is a real innovation, because it is provided with special ribs inside. - It does not only increase the torsional stiffness, but more over it allows all elements to be snapped-in easily between these ribs without tools.

Each zone will soon have a flat brushless DC motor to drive the conveyor rollers or the conveyor belt. - A snap-in photo sensor with an opposite mirror detects whether the zone is occupied by a transported good or whether it is free.

"The principle of zero pressure accumulation and delivery in zones is well known and is often referred to as ZPA (zero pressure accumulation)," explains Dr. Gambetta. What is special about this Avancon system, however, is that each function has its own control box. The motor therefore has both an ASi actuator and the BLDC controller - and the photo sensor has an ASi slave. - The advantages are the cable connection, which are always the same regardless of the length of the zones. This eliminates all cable attachments and any kind of "cable spaghetti". The connections are made very quickly, and maintenance is very easy. "



It works by combining microchips that contain the firmware with the world-famous ASi fieldbus. According to the AS International Association, more than 40 million ASi field devices were installed worldwide with constantly increasing applications.



For large systems, an MCC (Main Control Center) is used, which wirelessly bundles the data streams from all masters of the sub-networks and communicates with higher bus systems via an interface / gateway. This allows easy integration into higher network architecture. The slightly larger MCC is installed in a cross profile. And is therefore invisible

The Avancon ZPC firmware controls all zones in straight lines, all turnouts, outward and inwards as well as crossings etc. and ensures back pressure-free stowage in all areas. The conveyed goods can generally be conveyed from 0.3 m / second up to 1.5 m / second.

"If ever a control element would fail, you can easily replace it. When the power is switched on again, it usually finds its own address," says CEO, Christian Dürst. "We pursue such simplicity for all modern intralogistics. This is particularly appreciated by the operator of a logistics and distribution center. "

You can find further information on the website www.avancon.com/conveyor-controls.html and order the free brochure "Control concept for modern conveyor technology"

For the editor:

*You can download this report in PDF format and photos in 300 dpi in * .tif format for printing or for the Internet in * .jpg format in 72 dpi from our website at <http://www.avancon.com/press.html> / -> PR-12*

Please use this interesting PR report together with the photos. - As it is well known, a picture says more than 1000 words. - Thank you very much. As you know, photos play an increasingly important role in social media content as well..

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- Further information and details as well as photos and videos can also be found on our website: <http://www.avancon.ch>

- Without title, footnote and abstract, this report has 829 words and 5016 characters (including spaces).