Anuga FoodTec - Guided Tours

Tour 2 – Industry 4.0

Start: Hall 5.2 DLG-Booth D041, Wednesday, Thursday and Friday 10.00 a.m.

No	Time	Company	Hall/Booth	Description
1	10:00-10:10	CAQ AG Factory Systems	Hall 05.2 Booth A051 A059	**Software Beats Paper: The Future of Digital Quality Management** In order to stay ahead of their competition, companies in the foodstuffs industry must grasp the advantages provided by digitalisation and software for their everyday quality processes. Apart from increased consumer safety and competitive edge, the necessity for advanced quality management also lies in the strict regulations that are formulated in standards such as ISO 9001, BRC, GMP, HACCP, ISO 22000 as well as the International Food Standard (IFS). Our quality management software solution CAQ.Net was developed with precisely these goals in mind and supports companies around the globe to increase, monitor, and document the quality and safety of their products. Visit us and find out how our products allow your company to keep up with the quality expectations of your customers and the ever increasing quality assurance regulations of the future.
2	10:10-10:20	enable energy solutions GmbH	Hall 10.2 Booth A027	**e-complete – transforms the process data of your site into high level process expertise values and efficiency savings** This is not a rocket science – it´s just a major step of improvement with surprising values. e-complete is turning your existing control & process data into high-class efficiency & sustainability information. It will enable you to optimize and operate on the determined key efficiency figures of your full automated production processes. Zoom up your pure data to interpreted efficiency information up to more individual process expertise and a solid basement to create, fit and control major efficiency solutions that fully confirm to your complete production- and energy supply chain. Our reliable 4.0 process is the missing link to discover and utilize the individual potentials of your site – there is enough raw data, we transforming them to surprising valuable information in highly automated production processes.
3	10:20-10:30	Multivac Sepp Haggenmüller SE & Co. KG	Hall 09.1 Booth A020 C039	**The new dimension in thermoforming packaging: X-line from MULTIVAC** MULTIVAC is redefining thermoforming packaging with its X-line. As a result of its seamless digitalisation, comprehensive sensor system and networking with the MULTIVAC Cloud, the X-line creates a new dimension, when it comes to packaging reliability, quality, performance and future-proofness. MULTIVAC Pack Pilot enables the machine to be set up to the optimum level using machine control support. When new recipes are created, the machine parameterises itself to the optimum operating point, using the die set data and the features for pack, product and packaging material that have been selected. The X-line has a level of sensor control never achieved before, whereby the Multi Sensor Control captures all the relevant parts of the process. All the process stages are coordinated to the optimum level, while product- and system-related discrepancies are automatically compensated as much as possible, and even faulty settings by operators are independently detected and displayed. A new die generation called X-tools guarantees the lowest operating costs in the market. They enable shorter evacuation times to be achieved and therefore contribute to higher cycle outputs.

4	10:30-10:40	Velati s.r.l. Food Technologie since 1867	Hall 9.1 Booth E010 E018	**VELATI IS READY TO THE FUTURE. INDUSTRY 4.0 IS REALITY.** The expression Industry 4.0 is linked to the so-called "Fourth Industrial Revolution" characterized by the increasingly widespread use of complex analysis of data and information exchanged between physical and digital systems that allow real-time productive adaptations made possible by the use of intelligent machines, interconnected and connected to the Internet. The introduction of technological innovation is not an end in itself but is intended to: • optimize and streamline production processes • support the processes of industrial renewal • fostering the productive collaboration between enterprises through advanced distribution planning techniques, integrated logistical network management, and interoperability of information systems. The Velati machines are listed in Annex A1 on the Hyper-Amortization Industry 4.0 of Budget Law 2017 as "machines and systems for the production of products by the transformation of materials or raw materials". Opportunely connected and interfaced to the customer's management systems, Velati machines allow to those who buy them to access to the Hyper-Amortization Industry 4.0.
5	10:40-10:50	Albert Handtmann Maschinenfabrik GmbH & Co. KG	Hall 06.1 Booth B010 C019 C010 D019	**Production data acquisition, process optimisation, production planning - production plants on the right path to Industry 4.0** The market environment for modern food processing plants today is characterised by cost pressure, a highly dynamic approach and complexity. Production managers in particular frequently feel forced to pursue competing aims under difficult conditions: stringent quality requirements coupled with ambitious cost targets, quickly fluctuating demand, changing operating staff etc. The typical tasks of "analysis, planning, implementation and checking" are often difficult, particularly as the time needed for efficient planning and optimisation is often not available. In this context, the HCU software solution from Handtmann Maschinenfabrik provides valuable support. Filling and portioning machines are linked via the software, making it possible to automatically document production data and record down-times. This results in maximum transparency, 100 % traceability and fast weak point analysis. Furthermore, actual empirical values facilitate simple production planning at the plant. The production volumes required are automatically split between the individual production lines and operators. Production managers therefore have at their disposal an extremely effective tool for managing machines, materials and staff easily and promptly – Production 4.0!
6	10:50-10:55	Spiromatic NV	Hall 6.1 Booth D081	**Virtual Reality brings Industry 4.0 to life** From early on in the sales process until installation and further expansion, VR enables visualization of the factory to support our processes. Customers can take virtual tours into their future factory to better understand their installation and to discover pitfalls in an early stage. In the factory of the future machines are interconnected and intelligent. Thanks to the Spiromatic interactive visualization we are able to get a better insight of adjustments without disrupting production."
7	10:55-11:00	Entrematic Belgium NV	Hall 6.1 Booth C086	**Integration of advanced technologies to optimize the operation of industrial high speed doors** Entrematic Belgium presents the first high speed doors that think. Provided with the 'Dynalogic 5' special controller, we can guarantee the fastest possible cycle time of your Dynaco door. At the same time, operation of the door is optimized according to your specific requirements. Wireless internet connection allows for easy management and remote monitoring of your doors. The Dynalogic 5 keeps a detailed history of all door activity. That way you can analyze your traffic: you can see at any time when a door has been opened, for how long and at what height. Via your network or a 4G module, you can even control your entire plant from behind your desk, allowing you to take immediate action when needed. Analysis of the door operations allows to optimize the settings of the door, to avoid unnecessary openings and adjust opening height to specific user of the door. This leads to significant savings on energy costs and optimizes traffic flows