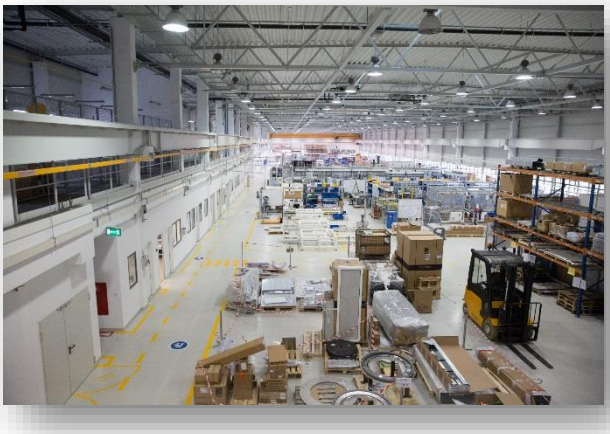
teamtechnik Production Technology



teamtechnik is an international market leader for innovative production technology and highly flexible assembly and test systems. Its branch in Poland was founded in 2005 and specializes in, not only the development and production of automation solutions, but also the utilization of computer simulations of the production processes to maximize the potential for optimization. Since 2014 the polish main branch occupies a building space of more than 3300 m2 in Skawina near Cracow, which is extended with an additional production hall in July 2016 with a total floor space of 5300 m^2. The second location of teamtechnik in Ostrów Wielkopolski occupies a building space of more than 900m^2. The venue produces parts for various projects and contains mechanical, electrical and software departments. The staff of more than 162 employees, consists of mainly engineers and highly specialized professionals with product and process expertise. Especially in the automotive industry we have established ourselves as a technology and market leader in assembly and test systems in Eastern Europe. Working closely with our customers we concentrate on assembly and tests systems for gear and transmission units, camphasers, pumps, valves, air throttles, air bags, compressors, brakes and steering systems. Among our satisfied customers are medium and large companies as well as renowned multinational corporations.

Products that are produced and tested on teamtechnik production systems

- Electrical motors & actuators
- Oil and water pumps
- Gear boxes
- Power transmission units
- Proportional valves
- Cam-phasers
- EGR valves & air throttles
- Superchargers
- Braking systems (boosters, vacuum pumps)
- On/off fast- response solenoid valves
- Park sensors
- Oil pans
- Steering systems
- Car sits equipment
- Car suspension

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teamtechnik at 11th Quality Production Improvement international conference

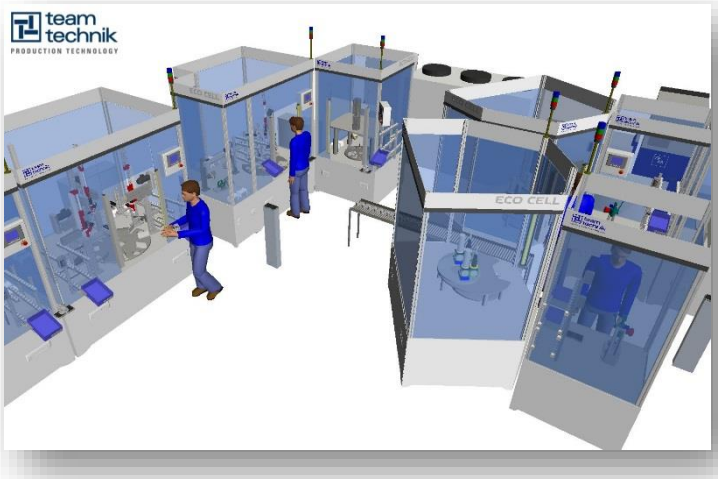
We are honored to announce that we will be present at 11th international QPI conference. A representative of our company, **mgr inż. Filip Brzeski**, Production Organization and Optimization Engineer, will share with participants information about benefits of modern simulation techniques in automotive industry.

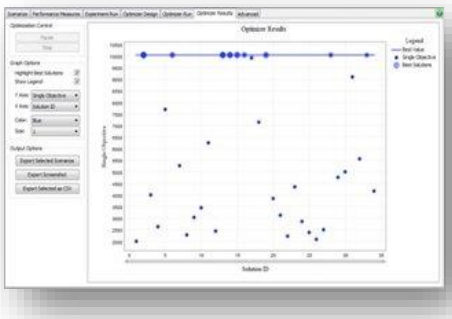
Simulation tools in assembly & test system design

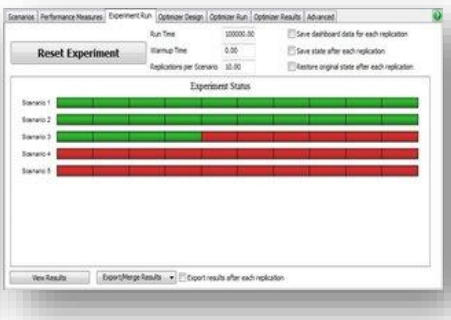
Modern industrial production systems represent a long-term investment for businesses and therefore require thorough planning. To achieve maximum productivity and efficiency from a production line, it is important to constantly examine the structures and all process steps, both in advance and during operation, in order that improvements can be made. For this process optimization, 3D simulation has proven itself as an effective tool. The simulation outputs enable major improvements to be made, both for new systems at the designing stage and for modifications to an existing equipment.

Benefits from simulation modeling

- Rapid prototyping during designing concept
- Identification and reduction of production bottlenecks, wastage, etc.
- Reduced investment risk
- Economic value added thanks to increased productivity (speeds, times, workforce, logistics and flow of goods)
- Verification of transport system's logic flow
- Visualization of the production system in a realistic production mode
- Risk-free comparison of different production system concepts and 'what if' scenarios







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