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REAL-TIME PRODUCTION CONTROL AND MANAGEMENT SYSTEM

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In the modern world, all industries are trying to introduce new technologies and automate everything as much as possible. This is very important, as it gives you the opportunity to get some bonuses in the form of increased speed, production volumes, and more.

This system allows you to get a reliable digital picture of production in real time, instantly respond to deviations, plan the operation of equipment in the enterprise and manage the tool. A lot of companies offer their automation services to other industries, such as Siemens, Fanuc, HAAS, OVEN, Mazak and others. These companies offer you to improve your production by integration, programming and commissioning of CNC machines, connection of controllers, development of new software. Introduction of modern technologies, development of new industrial lines.

Great emphasis is placed on improving the interaction of people with machines and the visual component, by user-friendly and intuitive interface, constant communication between the machine and the operator, automatic control systems, real-time data display, visualization of processes, 3D scene constructor. Cloud based production management software helps manufacturing operators and managers increase machine efficiencies by providing instant production visibility and deep analytics for better, faster decision making. Transform your production data into easily accessible and visible data displayed across the shop floor, at machines, and available in both pre-built and customized reports for deeper analysis. Production reporting software ensures your productivity parts counts, or utilization, and get notified when production falls behind or machines go down so you can react fast.

Subtle customization. Expanding the functionality and visual of the system through custom scripts on CSharp and CodeLess Technologies. Real-Time Factory Floor Dashboards. All this makes it possible to simplify and facilitate the work of employees in factories and make the work more exciting and correct. The economic effect that these implementations and improvements have on the enterprise budget is quite important. Reducing equipment downtime, reducing tool replacement costs, improving hardware performance, emergency prevention, rationing and proper allocation of working hours and responsibilities, optimization of production processes, equipment condition monitoring, monitoring of equipment condition and duration of operations, shorter lead times.

In conclusion, it is worth noting that the transition of enterprises to new, modern equipment, the introduction of new technologies and automation of technological processes is only a matter of time. As it is very beneficial for enterprises and will allow them to take a big step forward.