

WELCOME TO OUR ITAP BOOTH!

YOUR DIGITAL TRANSFORMATION

ISDN SOFTWARE BUSINESS



DIGITAL TRANSFORMATION IN 3 STEPS

Our digital transformation journey comes in 3 steps.

1. Digitization of all Operational Processes and Information enabling efficiency and transparency with our ISDN Point Solutions.
2. Standardization of enterprise's best practices for a consistent approach to regulatory compliance, operational metrics and greater agility with our Operation Management Solutions.
3. Evolution by incrementally expanding functionality as business requirements evolve, with our Smart Solutions.

ABOUT ISDN SOFTWARE BUSINESS

ISDN Software Business is a wholly owned subsidiary of ISDN Holdings Ltd. We focus on providing professional, reliable solutions and technical services to local as well as regional customers.

As we quickly enter the Fourth Industrial Revolution, new technologies have radically changed the way our physical world interact with the digital realm. Its impact fundamentally changes economics, industries, as well as " the way we live our day-to-day lives.

Technology will dramatically influence the way organisations and management of assets are conducted in the future, giving way to more efficient methods of operations. ISDN believes in empowering companies to prepare for this future. Change is daunting.

This is why ISDN Software is established to help companies venture towards the inevitable digital transformation with minimum risks on their investments.

INDUSTRY 4.0 DEMO

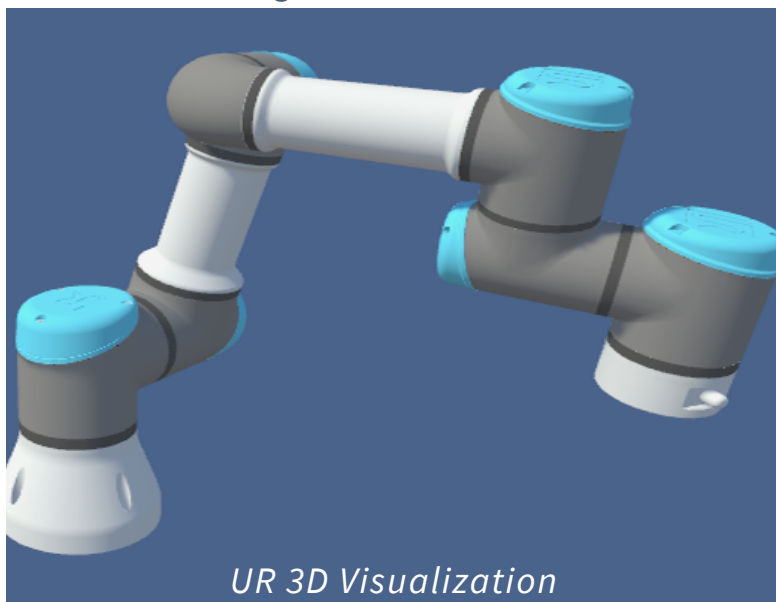
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Demonstrated Benefits of Industry 4.0

1. Monitoring and Control : Find it difficult to monitor and control different equipment across different systems? Overcome this and see how 5 different robots can be monitored on a single interface.
2. Analysis : Do predictions, 3D modelling and experiment with different parameters to see how it affects your production before you start manufacturing.
3. MES : Use MES to schedule different work orders across different equipment.
4. Cloud Integration : Keep tabs on all production status and monitor while on the move only with your mobile devices.
5. AR : Use just your mobile device to check information of the robots, be it the assembly or operations information.

Experience Smart Manufacturing across different systems on a single platform. Get the best of Augmented Reality, Virtual Manufacturing, Remote control and monitoring, Cloud Integration and many more!

Consult us to learn more. Visit our website or email us at info@isdnsoftware.com



P1 - Loading station

Base materials are loaded at this station for the production of “mobile phone cases”. Tracking of performance, real-time 3D simulation, and remote control of the robot can all be done via mobile.

P2 - Gluing station

“Glue” is applied on the base material to allow adherence of the added-on material to the base material in later stages of the production.

P3 - Transfer station

Transfer of the base material from the gluing station to the material added-on station.

P4 - Vision station

Detection and localisation of added-on materials using vision technology. Image processing is performed to detect the added-on materials. Then, coordinates of the added-on materials' positions are transformed with the robot's coordinate frame to allow the robot to locate, pick up the added-ons, before proceeding to place them on the base material.

P5 - Sorting station

Using a vision-mounted robot, finished workpieces are inspected for any defects and their colours identified. The robot then picks up the workpiece, slides along the linear rail (7th axis), and places it in the correct tray depending on the colour or type (defect or not) of the workpiece. These data will be updated remotely to the relevant personnel.

Production ends once the desired number of workpieces per colour have been processed and completed.

