



THE CONNECTED WORKER AND INDUSTRY 5.0

Industry 5.0 is the revolution in which Man and machine reconcile and find ways to work together to improve the means and efficiency of production.



The Only Connected Worker Platform for SAP and the COVID-19 Era

In past waves of industrialization, we have seen steam engines replace horses and men. Then electricity replaced steam. These took centuries for adoption. And then, in the last three decades, software took over and automated a wide range of processes. Over the last decade, sensors enabled telemetry to connect devices, products and customers with industry 4.0. While industry 4.0 promised a raft of automation, in most enterprises, operations remain a set of tedious linear steps – slow, inaccurate and highly inefficient. In all this, front-line workers have been standing on the sidelines for the last 20 years, watching and waiting.

PROFIT MARGIN PRESSURES

The growing pressure on profit margins is felt across asset-intensive industries, business services and industrial manufacturing. This pressure does not stem from the rising cost of people; these industries are facing increasing demand from customers to deliver higher value or a lower cost. Asset-intensive industries have suffered from poor productivity for years.

Up to 25% of an asset-based industry's workforce are front-line workers that continue to carry out labor-intensive, manual tasks – typically using paper forms or legacy technologies. Front-line workers are being asked to perform increasingly complex jobs using technology that has remain relatively unchanged.

TALENT CHALLENGES

The aging front-line workforce, coupled with a tight labor market, has resulted in critical skills and talent gaps impacting the ability of asset-intensive industries to recruit, train and retain a workers with suitable competencies. The Manufacturing Institute estimates that because of this skills gap, 2.4 million job openings in manufacturing will likely go unfilled through 2028, representing half of all open positions.

COVID-19 ERA AND WORKER SAFETY

Traditional ways of working increase the risk of exposure to COVID-19. Companies need to embrace digital technologies and think of different ways to implement "social distancing" guidelines and SOPs in their operations.

DIGITIZING TRIBAL KNOWLEDGE

Millennial front-line workers are digital natives. Companies need to find ways to convert their company's unwritten tribal knowledge into digital, "mobile-first" work instructions and SOPs, coupled with making all their operational data from systems such as SAP available to these front-line workers. This is now a necessity and an imperative to get front-line workers what they need, when they need it, to get jobs done faster, better, cheaper and safer.

REMOTE GUIDED ASSISTANCE

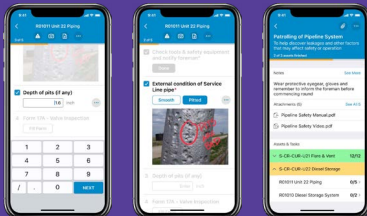
Remote guided assistance is a hands-free collaboration and tele-presence for front-line workers. Enabling front-line workers in the field to get assistance from experienced technicians via a two-way video call and over-the-shoulder coaching can help companies tackle these talent challenges and the rapid disappearance of tribal knowledge.

REDUCE UNPLANNED DOWNTIME WHILE INCREASING COMPLIANCE, PRODUCTIVITY & SAFETY



Five Business Challenges; One Power Platform

The connected worker from Innovapptive



OUR PATENT, YOUR COMPETITIVE ADVANTAGE

Innovapptive's Connected Worker Platform is powered by a patented, "code-free" technology that empowers your teams to deliver connected worker solutions with extreme personalization and agility. As it is extremely configurable, it can be quickly scaled across your disparate business needs.

FOUR WEEKS DEPLOYMENT

HCL and Innovapptive are offering an express edition to deploy a fixed-scope and fixed-price Connected Worker Solution. This solution delivers a quick time to market and value, while empowering you to visualize and realize the Industry 5.0 and Connected Worker paradigm today.

CONNECTED MAINTENANCE EXECUTION

The connected maintenance execution app allows your front-line workers to process SAP maintenance notifications, work orders and operations with step-by-step visual work instructions – connected or disconnected. View maintenance history, equipment, functional locations, hierarchies, and bills of materials (BOMs). Front-line workers can auto capture time, images, videos and annotate them and other documents. Empower your front-line worker to get the job done faster, better and safer.

CONNECTED WORK INSTRUCTIONS

Access a library of over 600+ work instructions, SOPs and checklists to empower front-line workers with guided work instructions to get their jobs done faster. These work instructions are coupled with SAP and GIS maintenance-related data on mobile and smart glasses for a wide range of use cases, such as assembly, quality control, inspections, changeovers, equipment setup, installations, field services, safety procedures for COVID-19, prevention and more.

CONNECTED OPERATOR ROUNDS

Planners and schedulers can define round plans, add and create tasks, and assign them to your front-line workers. Empower your front-line worker with mobile access to receive push notifications when a round is assigned. They can view SAP work order operations, maintenance procedures, and they can record measurement points and get alerts when the data is out of defined range. Access and capture images, videos, electronic signatures, annotate PDFs, video calls, etc. – connected or disconnected.

CONNECTED INVENTORY

Connect physical warehouse operations and inventory movement in real-time with SAP IM, WM and EWM. Automatic identification and data capture of all SAP inbound and outbound movements. Turnkey integration with a variety of peripheral barcode scanners, RFID scanners and hand-held Bluetooth printers. Record electronic proof of deliveries (ePOD), and collaborate and communicate shipment movement within warehouse four-walls with your customers.

CONNECTED FIXED ASSETS

Schedule and collaborate with the field on fixed asset physical inventory counts, and process physical inventory counts on mobile devices with a just few clicks. Track real-time status of count progress, report and resolve discrepancies with end-to-end Fixed Asset Management Software. Eliminate the headaches of inaccurate financial statements and ghost assets, and reduce overpayment of taxes and insurance premiums.



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