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HOW TREK BIKES, GRANITE CONSTRUCTION, & OTHERS USE JD EDWARDS ERP WITH THE IIoT – SAVING TIME & MONEY

A Collection of Industry 4.0 Case Studies

The Haves vs The Have Nots

Those that have the technology are dominating in their industries

Disrupt your industry, or have it disrupted by those around you.

A device enabled with Bluetooth or wi-fi can transfer data to wherever you need that data to go – and have data transferred to it. Bluetooth is forecasted to be shipped in 4 billion devices in 2019 alone. The ideas, the innovation, the automation, and the changes to our society are progressing faster than ever before.

Users of Oracle's JD Edwards ERP Are Using the Industrial Internet of Things to Stay Ahead of The Curve

Operational technology (OT), such as sensors, scanners, and robotics, and their ability to connect to the internet – sending and receiving (and responding to) information, is having a rapid and dramatic impact on industries, jobs, and consumer expectations.

Successfully bringing together OT (operations/ asset technology) and IT, requires IT systems that are infinitely scalable, and able to connect with OT quickly and securely without interruption to your processes or workflow.

Companies using JD Edwards 9.2.X are already realizing the benefits of fully integrated OT-IT systems.

Industry 4.0 Case Studies

Stanley Engineered Fastening are a US based, global manufacturer of plastic and metal fasteners. They've been using the Orchestrator feature of JD Edwards EnterpriseOne ERP, to integrate data from operational technology, which is used to automate numerous, previously manual processes, on their manufacturing floor.

Orchestrator enables them to implement real-time production reporting from their manufacturing execution system directly into JD Edwards EnterpriseOne without any manual intervention. By

doing this, they have successfully eliminated 1 FTE per shift. They also track the location of bulk inventory bins via RFID saving 3-4 hours per week of searching for the bins.

The improved timeliness and accuracy of data brought about by the increased levels of automation on the floor has resulted in the successful elimination of raw material inventory shortages, which has the added benefit of reducing their costs for expedited supplier orders.

Stanley Engineered Fastening have found that the IIOT enables them to improve their data accuracy while providing significant employee labour, and other cost savings.

Trek Bikes – the number 1 US bicycle brand, is sold through independent bike retailers in more than 100 countries.

Trek Bikes use JD Edwards Orchestrator and the IIoT across their sales ordering and shipping processes to provide real time updates on where orders are. By placing IoT sensors in the shipping bins that transport stock between their distribution centre and headquarters, Trek employees are able to get real-time information about the location of stock, and when it will arrive in their mail room.

They also use IoT sensors on the racks that hold the decals for their bikes. By integrating the sensors with JD Edwards EnterpriseOne via the Orchestrator feature they now have automated control of Kanban inventory replenishments. This scenario has now been replicated across other items used during the manufacturing process where replenishment needs can be measured by distance.

Refinaria Nacional de Sal, of Brazil, known locally as Sal Cisne, manufacture and distribute 240,000 tonnes of salt each year. They have created solutions, processes, and resources with JD Edwards Orchestrator and IIoT devices to improve their daily management.

JD Edwards Orchestrator is used to control the production line, scheduling product manufacturing and enabling product traceability. They've also automated the data entry processes in their production line - reducing errors, reducing processing time and improving data quality.

JD EDWARDS USERS MAXIMISE INDUSTRY 4.0 OPPORTUNITIES

JD Edwards ERP is seamlessly integrated with several IoT devices that are installed throughout their manufacturing line, giving Sal Cisne full, real time, data about all the products they manufacture while they are in the shop floor stage. !

Granite Construction are a Californian based company and member of the S&P 400 index. Granite is a vertically integrated corporation, controlling almost their entire construction eco-system, from construction management down to the production of raw materials.

They recently presented at Oracle's Open World conference on how they have been leveraging JD Edwards Orchestrator to support multiple business processes. Using Orchestrator they have achieved real time Oanda currency exchange rate and Certify Expense Management integration, plus numerous other 3rd party applications. They have also started automating workflows including AP processing.

The Orchestrator feature of JD Edwards is a robot user, enabling Robotic Process Automation (RPA). Orchestrator can be used to fully automate rote and repetitive tasks, trigger bots to execute actions based on pre-defined conditions and build in light decision making as part of an RPA process, making it a tool that is also future ready for AI when the enterprise is ready.

Renewable Energy Group (REG) leveraged an AP automation system and optical character recognition (OCR), along with Oracle's JD Edwards voucher match automation capabilities, to eliminate 80% of their manual invoice entry and voucher match processing.

Martin Marietta Inc, a member of the S&P500, are a supplier of aggregates and heavy building materials, with operations in US, Canada, and the Caribbean.

Martin Marietta have leveraged the modern visualizations of Oracle's JD Edwards EnterpriseOne UX One (*role based view personalisation*), with seamless automations provided by JD Edwards Orchestrator, with integrated social media components to successfully replace Salesforce and numerous spreadsheets, to deliver staff, in all different roles and areas of their business – including the sales team, a 360-degree view of their customers across every facet, including social media.

Ndevr – JD Edwards Expertise

Get a free business process review session to uncover automation opportunities in your business.

For companies that contact us before the 15th of November 2019, who are considering JD Edwards to help increase automation across your organization, get a free half day business process review session where we can help you assess or uncover opportunities for automation in your business.

Over 20 years, Ndevr has built a reputation as a trusted provider of business systems, implementation, consulting, and support services, delivering tangible results to our customers.

An accredited Oracle JD Edwards and Oracle Cloud Partner, we employ the most experienced team of Oracle JD Edwards specialists in Australia.

We consistently deliver outstanding results in the delivery of JD Edwards ERP and Managed Service solutions to our clients because we focus on understanding our customer's individual requirements, then apply experience, sound advice, and hands-on support to ensure your systems deliver the business results you expect.

CONTACT US

To learn more about Oracle JD Edwards or Oracle Cloud Applications, or to get support for your existing JD Edwards EnterpriseOne systems please contact us

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Sources Used To Compile This Paper

Bluetooth Org

www.bluetooth.com

Quest User Group

A user sign in may be required to access this content

https://questoraclecommunity.org/learn/customer-stories/stanley-jd-edwards/

https://questoraclecommunity.org/learn/customer-stories/trek-bicycle-jd-edwards-enterpriseone-internet-of-things/

https://questoraclecommunity.org/learn/customer-stories/refinaria-nacional-de-sal-story-jd-edwards

Oracle Open World 2019

All Oracle open World presentations listed in this paper were publicly available at the time of publication.

- Granite Construction
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