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**SAP S/4HANA®**

Entering a new digital world within  
material resource planning

# Can you redesign and renew your MRP process with SAP S/4HANA and SAP Fiori®?

**All material planners are faced with many challenges and issues in their daily work which might need an immediate response. A typical scenario might be: your client changes his order at short notice, i.e. instead of black leather seats he wants brown leather seats for his new custom-built car. Since the primary suppliers cannot deliver in time, alternatives need to be checked, simulated and finally evaluated in order to respond to the customer's request.**

We outline below the possibilities you have with SAP's latest innovations: S/4HANA Enterprise Management software and state-of-the-art SAP Fiori® Apps which help you to easily manage such difficult business situations.

## **A highly responsive supply chain leads to new ERP processes and system performance**

Challenges such as described above are part of a material planner's day-to-day business and become more and more complex due to predominant trends such as lot size one instead of make to stock production. Still, to overcome these issues ERP systems based on real-time data play a decisive role. Moreover, mobile devices with easy-to-use and consistent user

interfaces which increase flexibility and meet today's user requirements are more popular than ever. Newly-designed SAP Fiori Apps in combination with ultra fast ERP databases is SAP's response to these market trends.

## **Re-engineered processes and new technology will change the way people work**

There are two basic questions if you want to implement a new user experience (UX) for MRP controllers combined with a better and much faster, newly-designed MRP process to gain control over even faster changes and updated information in your supply chain.

First, how can you take advantage of an MRP run which provides new

or updated information in near real-time in combination with all the simplifications, improvements and tools that SAP S/4HANA offers? Or you may wonder what the benefit of real-time status information on a delivery is, compared to a much lower frequency of updates in the classic ECC world.

And secondly – the even more relevant aspect – how can you overcome the commonly known challenge of organizational change management (i.e. resistance)? New technology will change the way people work and interact with their environment. SAP S/4HANA Enterprise Management and SAP Fiori will do that as well. Younger people of the Y or Z generations are delighted by apps which run on any mobile devices that help them to handle their daily workload. In contrast, more experienced people who are used to classical SAP user interfaces and their common transaction codes may need a new training curriculum to tackle the new UX and their accompanying business processes.

**And, yes, you can! SAP S/4HANA Enterprise Management and SAP Fiori Apps offer solutions for better MRP processes**

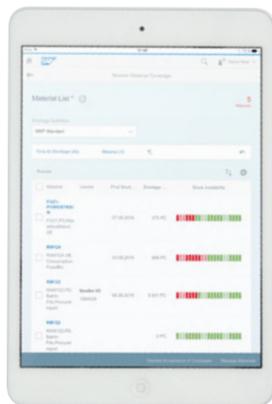
Systems latency can be removed with a redesigned S/4HANA MRP process and by using SAP Fiori Apps systems. Therefore a higher respon-

siveness is guaranteed and information required in order to react to customer requests can be handled with SAP's standard MRP Apps.

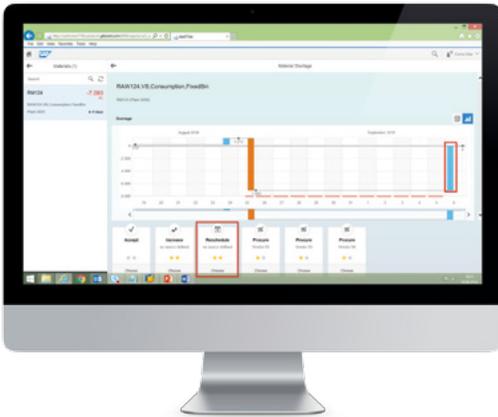
**Fig. 1 – SAP Launchpad with SAP Fiori MRP Apps displayed on an iPad**



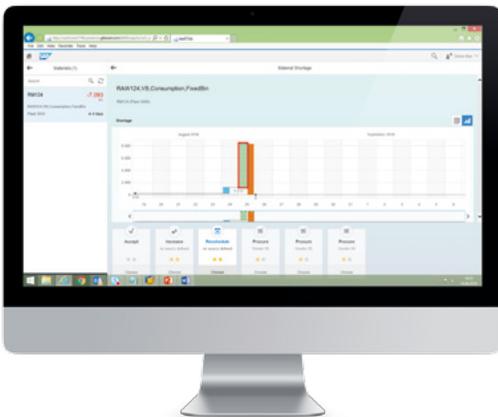
**Fig. 2 – Material List highlights Materials with stock shortages which requires immediate action**



**Fig. 3 – Situation before rescheduling of purchase requisition**



**Fig. 4 – Situation after rescheduling in Simulation. The purchasing requisition is pulled forward**



Instead of using classic transaction codes with vast representation of data, information in easy-to-read graphics is pushed to the MRP controller and allows you to immediately align changes in your supply chain with suppliers and customers by means of a device with a touch screen.

It is not only situations such as the delivery of black leather seats instead of brown ones from an alternative supplier that can be tackled much more promptly and accurately. Stock level simulations of different scenarios recommended by the system (reschedule or procure from a different supplier) will also improve overall supply chain transparency and reduce risks and disruption. Interconnected integrated business planning (IBP) and the subsequent questions whether the production can execute or the supplier can deliver on time need to be decided in seconds - not hours - and can be visualized with the help of SAP Fiori Apps. Last but not least we think that organizational resistance to these new processes and systems can be overcome by appropriate project preparation and accompanying training curricula.

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